NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)
(ACCREDITED WITH "A" GRADE BY NAAC)
Puthanampatti - 621 007
Tiruchirappalli District, Tamil Nadu, India

Dr.A.R.PONPERIASAMY
M.Sc.(Phy).,M.Sc.(CS).,PGDCA.,MCA.,M.Phil.,Ph.D.,
Principal

Phone : 04327- 234227
Fax : 04327- 234811
Mail Id.: principal@nmc.ac.in

Number of research papers in the journals notified on the UGC/Scopus/Web of Science website during the assessment period 2015-2016 to 2019-2020.

Year	No. of research papers
2019-2020	86
2018-2019	35
2017-2018	33
2016-2017	28
2015-2016	37

22/1/2021
PRINCIPAL
Dr. A.R. PONPERIASA
M.Sc.(Phy)., M.Sc., (CS)., PGDCA., MCA., M.Phil.,
Principal
Nehru Memorial College (Autonomous)
Puthanampatti-621 007. Tiruchirappalli District

Number of research papers in the journals notified on the UGC/Scopus/Web of Science website during the assessment period 2015-2016 to 2019-2020.

3.4.3 Number of research papers per teachers in the journals notified on UGC							
2015-2016							
S. No	**Title of the Paper**	**Name of the Authors**	**Department of Teacher**	**Name of Journal**	**Year of Publication**	**DOI**	**Scopus/ Web of Science /UGC**
1	High pressure studies on the Transport properties and upper critical field (Hc2) of hole-doped Pro.8 Sro.2 FeAsO iron pnictides	S.Kumararaman, N.R Tamilselvan, K.Murata, Hyoshino	Physics	Journal of superconductivity and novel magnetism	2015-2016	10.1007/s10948-016-3485-3	Scopus
2	Analytical treatment for synchronizing chaos through unidirectional coupling and implementation of logic gates	P.R. Venkatesh, A.Venkayesan, M.Lakshmanan	Physics	Pramana	2015-2016	10.1007/s12043-016-1199-5	Scopus
3	Duffing-van der Pol oscillator type dynamics in Murali-Lakshmanan-Chua (MLC) circuit	K.Srinivasan, A.venkatesa, V.K Chandrasekar, Mohmmed Raja	Physics	Chaos, Solitons & Fractals	2015-2016	10.1016/j.chaos.2015.11.005	Scopus

4	Effect of asymmetry parameter on the dynamical states of nonlocally coupled nonlinear oscillators	R.Gobal, V.K.Chandrasekar, DV.Senthilkumar, A.Venkatesan, M.Lakshmanan	Physics	Phy. Rev.E	2015-2016	10.1103/PhysRevE.91.062916	Scopus
5	Different types of synchronization in coupled network based chaotic circuits	K.Srinivasan, V.K Chandrasekar, Gladwin pradeep,K.Murali, M.Lakshmanan	Physics	Communication in nonlinear science and numerical simulations	2015-2016	10.1016/j.cnsns.2016.03.002	Scopus
6	Fabrication of Ag_2SeTe thin films by thermal evaporation	C.Vijayan, M.Pandiaraman,N.Sounderrajan, R.Chandramohan,S.Ramaswamy	Physics	Surface Enginnering	2015-2016	10.1179/1743294414Y.0000000353	Scopus
7	Ethnobotanical, phytochemical and pharmaceutical studies of medicinal plants *Ventilago maderaspatana* Gaertn Red Creeper: A Review	P.Karuppannnan, K.Saravanan	Zoology	*Journal of current Pharmaceutical Research*	2015-2016	ISSN-0975-7066	Scopus
8	Antihyperlipidemic activity of Biophytum sensitivum extracts in Streptozotocin (STZ) induced diabetic albino rats	Renuka, C., Elavarasi, S., Saravanan, K and Revathi, G	Zoology	International Journal of Pharma and Bio Sciences	2015-2016	ISSN-0975-6299	Scopus
9	Evaluation of toxic effect of traditionally used antidiabetic polyherbal formulation on albino rats	Revathi G., Elavarasi S., Saravanan K	Zoology	International Journal of Pharma and Bio Sciences	2015-2016	ISSN 0975-6299	Scopus

10	Collection and Data mining of bioactive compounds with cancer treatment properties in the plants of fabaceae family	Balan Velusamy, Saravanan.K, Arulpriya.R	Zoology	International jouranl of Pharma.science and research	2015-2016	ISSN: 0975-8232	Scopus
11	Effect of different animal manure on Vermicomposting of mixed leaves litter by utilizing an exotic earthworm, Eudriluseugeniae.	Viji.J , P. Neelanarayanan	Zoology	International of advanced research	2015-2016	ISSN 2320-5407	Scopus
12	Diversity of Mosquitoes and larval breeding preference based of physio – chemical parameters in western ghats, Tamilnadu, India	Senthamarai Selvan.P, Jebanesan.A., Divya.G and Ramesh.V	Zoology	*Asian Pacific Journal of Tropical Medicine*	2015-2016	10.1016/S2222-1808 (15)60858-1	Scopus
13	Synthesis, characterization and biological studies of copper(II) complexes of 2-(Piperidin-4-ylmethyl) isoindoline-1,3-dione	M.Ramesh	Zoology	International jounral of Pharm Tech research	2015-2016	ISSN: 0974-4304	Scopus
14	Re2O7-catalyzed formal [3+2] cycloaddition for diverse naphtho[1,2-b]furan-3-carboxamides and their biologicalevaluation	Likai Xia, Akbar Idhayadulla, Young Rok Lee	Chemistry	Molecular diversity	2015-2016	**10.1007/s11030-015-9630-2**	Scopus

15	Evaluating the In Vitro Antagonism of Secondary Metabolites Fractionated from the Brown Algae, Sargassumswartzii against Human Candida spp	Aseer manilal, Gemechu Amera, Tigist gezmu, Behailu merdekies, sabarathnam balu, A. Ihayadulla	Chemistry	Translation biomedicine	2015-2016	10.21767/2172-0479.100051	Scopus
16	An In Vitro Antibacterial and Cytotoxic Potentials of Bioactive Metabolites Extracted from Padinatetrastromatica	Aseer manilal, mohammedaman mama, Tigist gezmu, Behailu merdekies,shiju easo john, A. Ihayadulla	Chemistry	Translation biomedicine	2015-2016	10.21767/2172-0479.100040	Scopus
17	Microbiological investigation on Vetiveria lawsonii	Viji saral elizabeth, Ravichandren	Chemistry	International Journal of Pharma and Bio Sciences	2015-2016	ISSN 0975-6299	Scopus
18	Synthesis and Biological Evaluation of Diverse Tetrahydrobenzofuran-4-ones as Potent Antibacterial Agents	Likai Xia, Akbar Idhayadulla, Young Rok Lee, sung hong kim, yong jung wee	Chemistry	journal of industrial and enginnering chemistry	2015-2016	10.1016/j.jiec.2014.07.035	Scopus
19	Nematicidal, Larvicidal and Antimicrobial activity of some new Mannich base imidazole derivatives	Xiangxiong chen, seug woo lee, A.Idhatadulla, R.surendrakumar, Aseer manilal	Chemistry	Trapical jounal of Pharamaceutiical research	2015-2016	10.4314/tjpr.v14i8.16	Scopus
20	Anti-inflammatory activity of novel 1,4-dihydropyridine derivative	A.Idhayadulla, R.Surendrakumar, A.Jamal abdul nasser, S.Kavimani	Chemistry	Pharmaceutical chemistry journal	2015-2016	**10.1007/s11094-015-1305-x**	Scopus
21	An in vitro antibacterial and anticandidal activity of Sonneratia alba (J. Smith)	Aseer manilal, Behailu merdekios, Tigist gezmu & A.Idhayadulla	Chemistry	Thalassas	2015-2016	Thalassas, 31(2) · July 2015: 67-73	Scopus

22	Environmental biotoxicity screening of some pyrrole and 1,4-dihydropyridine heterocyclic derivatives	A.Idhayadulla, Aseer manilal, Behailu merdekios, R.Surendrakumar	Chemistry	Juornal of applied pharamacuitical science	2015-2016	**10.7324/japs.2015.50519**	Scopus
23	Anticonvulsant, analgesic and anti-inflammatory activities of some novel pyrrole and 1,4-Dihydropyridinederivatives	S.Indumathi,R.karthikeyan, A.Jamal, A,Jamal abdul nassar, A.Idhayadulla, R.Surendrakumar	chemistry	Journal chemical and pharmatcuitical research	2015-2016	ISSN : 0975-7384	Scopus
24	An in vitro antagonistic efficacy validation of Rhizophoramucronata	Aseer manilal, Behailu merdekios, A.Idhayadulla, C.Muthukumar	Chemistry	Asian Pacific Journal of Tropical Disease	2015-2016	**10.1016/S2222-1808(14)60622-8**	Scopus
25	Synthesis of novel three compound imidazole derivatives via Cu(II) catalysis and their larvicidal and antimicrobial activities	Abdullah alaklab, R.surendrakumar, Anis ahamed, ibrahim A.Arif, Aseer manilal, A.Idhayadulla	Chemistry	monatshefle fur chemie	2015-2016	10.1007/s00706-016-1746-2	Scopus
26	Anti-inflammatory and antimicrobial activities of novel pyrazole analogues	R.surendrakumar, Anis ahamed, ibrahim A.Arif, A.Idhayadulla	chemistry	saudi journal of biological science	2015-2016	10.1016/j.sjbs.2015.07.005	Scopus
27	ModBlockExpoA-Enhancement on Speed and Security using Modularization in Public key Cryptography	George amalarethinam, j.s geetha.K.mani	computer sciene	international journal of applied engineeirng research	2015-2016	ISSN :0973-4562	Scopus
28	Image encryption and decryption in public key cryptography based on MR	George amalarethinam, j.s geetha.	computer sciene	Inter.nati. Confe. Communication technologies	2015-2016	**10.1109/ICCCT2.2015.7292733**	Scopus

29	Analysis and enhancement of speed in public key cryptography using Message Encoding Algorithm	George amalarethinam, j.s geetha.K.mani	computer sciene	Analytical & enhancement of speed in public key cryptography using message encoding	2015-2016	**10.17485/ijst/2015/v8i16/69809**	Scopus
30	Component Based Software Development using Refactoring with FORM Method	S.manimegalai	computer sciene	international journal of control theory and applications	2015-2016		Scopus
31	A Ranking And Selection Approach For Volatility In Financial Market	R.Seethalakshmi, V.Saavithri & C.Vijayabanu	Mathematics	Global journal of pure and applied mathematics	2015-2016	ISSN 0973-1768	Scopus
32	Parameter Estimation of Lehmann Type I Exponential Mixture Distribution	R.Seethalakshmi, V.Saavithri	Mathematics	internationa journal of applied engineering research	2015-2016	ISSN 0973-4562	Scopus
33	Estimation of Parameters for Order Statistics of Lehmann-Type Laplace Distribution Type I and Type II	V.S Akilandeswari, J.Priyadharshini, Y.Yazh devi, V.Savithri	Mathematics	Global journal of pure and applied mathematics	2015-2016	ISSN 0973-1768	Scopus
34	Lehmann-Type Laplace Distribution-Type II Software Reliability Growth Model	V.S Akilandeswari, R.poornima, V.Savithri	Mathematics	internationa journal of applied engineering research	2015-2016	ISSN 0973-4562	Scopus

35	Pharmacognostic standardization and physicochemical analysis of the leaves of Barleria montana Wight & Nees	Sriram sridaran, sasikumar.C	Botany	Asian pacific journal of tropical disease	2015-2016	10.1016/S2222-1808(15)61020-9	Scopus
36	Effect of microbes on low density polyethylene material degradation with reference to sem analysis	M.salini, C.sasikumar	Botany	International journal of pharma snd bio science	2015-2016	ISSN 0975-6299	Scopus
37	An insilico approach to treat halitosis disease using mint compound-benzydamine	M.pramila, M.Meenatchisundaram	Botany	internation journal of pharma and bioscience	2015-2016	ISSN 0975-6299	Scopus
2016-2017							
1	Design and implementation of dynamic logic gates and R-S flip-flop using quasiperiodically driven Murali-Lakshmanan-chua circuit	P.R.venkatesh, A.Venkatesan, M.Lakshmanan	Physics	Chaos	2016-2017	10.1063/1.4977977	Scopus
2	Vibrational resonance and implementation of dynamic logic gate in a piecewise-linear Murali-Lakshmanan-Chua circuit	P.R.venkatesh, A.Venkatesan,	Physics	Communication in nonlinear science and numerical simulation	2016-2017	10.1016/j.cnsns.2016.03.009	Scopus
3	Significance of power average of sinusoidal and non-sinusoidal periodic excitations in nonlinear non-autonomous system	P.R.venkatesh, A.Venkatesan,	Physics	pramana	2016-2017	10.1007/s12043-016-1207-9	Scopus

4	Phytosynthesis and Characterization of TiO2 Nanoparticles using Diospyrosebenum Leaf Extract and their Antibacterial and Photocatalytic Degradation of Crystal Violet	S.Senthikumar, M.Ashok, Lella kashinath, C.Sanjeeviraja, A.Rajendren	Physics	Toyler&francies	2016-2017	10.1080/23080477.2017.1410012	Scopus
5	Synthesis of silver nanoparticles (Ag NPs) for anticancer activities (MCF 7 breast and A549 lung cell lines) of the crude extract of *Syzygium aromaticum*	Venugopal K., Rather H.A., Rajagopal K., Shanthi M.P., Sheriff K., Illiyas M., Rather R.A., Manikandan E., Uvarajan S., Bhaskar M., Maaza M	Zoology	Journal of photochemistry & photobiology	2016-2017	10.1016/j.jphotobiol.2016.12.013	Scopus
6	In vitro anticancer activity of Biophytumsensitivum whole plant extracts against cervical and liver cancer cell lines	M.P shanthi, G. Bupesh, S. Magesh, K. Meenakumari, K. Saravanan, N.S. Muthiah	Zoology	International journal of Pharmaceutical science and research	2016-2017	10.13040/IJPSR.0975-8232.7(12).5128-35	Scopus
7	Efficacy of lignocellulolytic fungi on the biodegradation of paddy straw	Viji J., Neelanarayanan P.	Zoology	International Journal of Environmental Research	2016-2017	10.22059/IJER.2015.892	Scopus
8	Study of Stress and Job Satisfaction of Dual Career Teacher Couples of Tamilnadu	Mrs. N. Thilagavathi	Economics	The international journal of analytical and experimental model analysis	2016-2017	ISSN 0886-9367	Scopus

9	Evaluating the Antibacterial Potential of Streptomyces sp.	Sujith Sugathan, Aseer Manilal, Tigist Gezmu2, Behailu Merdekios, Joseph Selvin, Tsegaye Tsalla, Akbar Idhayadhulla, and Shine Kadaikunnan	Chemistry	TranslationalBiomedicine	2016-2017	10.21767/2172-0479.100003	Scopus
10	Effects of FDI spillover on regional productivity: Evidence from panel data analysis using stochastic frontier analysis.	R. Murugesan, D. Dominic & M. Poovendhan	Economics	International Journal of Emerging Markets	2016-2017	ISSN: 1746-8809	Scopus
11	Analysis of factors determining the inward FDI in top seven Indian states from top seven source countries using gravity model	R. Murugesan & M. Poovendhan	Economics	International Journal of Economics and Business Research	2016-2017	**10.1504/IJEBR.2016.076152**	Scopus
12	Efficient Synthesis of Novel 3-Phenyl-5-thioxo-3,4,5,6-tetrahydroimidazo[4,5-c]pyrazole-2(1H)-carbothioamide Derivatives Using a CeO2â€“MgO Catalyst and Evaluation of Antimicrobial Activity	Moydeen M., Al-Deyab S.S., Kumar R.S., Idhayadhulla A.	Chemistry	Journal of Heterocyclic Chemistry	2016-2017	10.3390/polym13071046	Scopus
13	Evaluation of antioxidant and anticancer activities of chemical constituents of the Saururus chinensis root extracts,	Abdullah Alaklabi, Ibrahim A. Arif, Anis Ahamed, Radhakrishnan Surendra Kumar, A.Idhayadhulla*,	Chemistry	Saudi Journal of Biological Sciences	2016-2017	**10.1016/j.sjbs.2016.12.021**	Scopus

14	Synthesis of new morpholine-connected pyrazolidine derivatives and their antimicrobial, antioxidant, and cytotoxic activities	Surendra Kumar R., Moydeen M., Al-Deyab S.S., Manilal A., Idhayadhulla A.	Chemistry	Bioorganic and Medicinal Chemistry Letters	2016-2017	10.1016/j.bmcl.2016.11.032	Scopus
15	Larvicidal, nematicidal, antifeedant and antifungal, antioxidant activities of mentha spicata (Lamiaceae) root extracts	Alaklabi A., Arif I.A., Ahamed A., Manilal A., Surendrakumar R., Idhayadhulla A.	Chemistry	Tropical Journal of Pharmaceutical Research	2016-2017	**10.4314/tjpr.v15i11.12**	Scopus
16	Generation of Keymatrix For Hill Cipher Encryption using Quadratic Form.	Dr. K. Mani, A. Barakath Begam	Computer Science	International Journal of Scientific & Technology Research	2016-2017	10.1109/WCCCT.2016.22	Scopus
17	Enhancing Security in Public Key Algorithms using SCRZE Approach.	K Mani and R. Mahendran	Computer Science	International Journal of Applied Engineering Research	2016-2017	ISSN :0973-4562	Scopus
18	Enhancing security in cryptographic algorithm based on LECCRS	Mani K., Devi A.	Computer Science	Electronic Government	2016-2017	**10.1504/EG.2017.10003821**	Scopus
19	Improving the Speed of Scalar Point Multiplication in Elliptic curve Cryptography Using 1's Complement.	K. Mani and M. Viswambari	Computer Science	International Journal of Applied Engineering Research	2016-2017	ISSN :0973-4562	Scopus

20	A Filter-based Feature Selection using Information Gain with Median Based Discretization for Naive Bayesian Classifier	P. Kalpana K. Mani	Computer Science	International Journal of Applied Engineering Research	2016-2017	ISSN :0973-4562	Scopus
21	Lehmann-Type Laplace distribution-Type I software reliability growth model	Akilandeswari V.S., Poornima R., Saavithri V.	Mathematics	OPSEARCH	2016-2017	DOI 10.1007/s12597-016-0281-6	Scopus
22	Mean vertex D-distance for radial and detour radial graphs	Suresh M., Mohanaselvi V.	Mathematics	AIP Conference Proceedings	2016-2017	Doi.org/10.1063/1.5112314	Scopus
23	On independent rebellion number in graphs	P. Shyamala Anto Mary, V. Mohanaselvi	Mathematics	Asia Life Sciences	2016-2017	59-67	Scopus
24	Marine antifouling property of PMMA nanocomposite films: Results of laboratory and field assessment	Sathya S., Murthy P.S., Das A., Gomathi Sankar G., Venkatnarayanan S., Pandian R., Sathyaseelan V.S., Pandiyan V., Doble M., Venugopalan V.P.	Physics	International Biodeterioration and Biodegradation	2016-2017	10.1016/j.ibiod.2016.05.026	Scopus
25	In silico studies on phytoconstituents of Vernonia arborea Buch. - Ham. against Mitogen-activated protein kinase-I	Sriram S., Brindha P., Meenaa V., Srilakshmi J.K.	Biotechnology	International Journal of Green Pharmacy	2016-2017	10.22377/ijgp.v12i01.1612	Scopus

26	Anti-inflammatory screening of ethanolic leaf extract of Vernonia arborea Buch. â€“Ham.in formalin induced albino wistar rats	Sridharan S., Venkatraman M., Janakiraman K., Pemiah B., Chinnagounder S.K.	Biotechnology	Indian Journal of Pharmaceutical Education and Research	2016-2017	10.5530/ijper.50.4.16	Scopus
27	Comparative study of using vegetable wastes and cattle dungs for degradation of low density polyethylene material and visualized through FTIR Analysis	Shalini R, C.Sasikumar	Biotechnology	Research journal of pharmaceutical, biological and chemical science	2016-2017	**10.13140/RG.2.1.1776.1366**	Scopus
28	Pharmacognostic standardization and HPTLC analysis of the leaves of Hiptage benghalensis (L.) Kurz	Venkataramani M., Chinnagounder S., Sridharan S., Janakiraman K.S.	Biotechnology	Asian Pacific Journal of Tropical Disease	2016-2017	10.1016/S2222-1808(15)61037-4	Scopus
2017-2018							
1	A Mathematical Model for Storage and Recall of Images using Targeted Synchronization of Coupled Maps	Palaniyandi P., Rangarajan G.	Physics	Scientific Reports	2017-2018	10.1038/s41598-017-09440-6	Scopus
2	Chimera at the phase-flip transition of an ensemble of identical nonlinear oscillators	Gopal R., Chandrasekar V.K., Senthilkumar D.V., Venkatesan A., Lakshmanan M.	Physics	Communications in Nonlinear Science and Numerical Simulation	2017-2018	10.1016/j.cnsns.2017.11.005	Scopus
3	Strange nonchaotic attractors for computation	Sathish A.M., Venkatesan A., Lakshmanan M.	Physics	Physical Review E	2017-2018	**https://doi.org/10.1103/PhysRevE.97.052212**	Scopus

4	Implementation of dynamic dual input multiple output logic gate via resonance in globally coupled Duffing oscillators	Venkatesh P.R., Venkatesan A., Lakshmanan M.	Physics	Chaos	2017-2018	**https://doi.org/10.1063/1.4997758**	Scopus
5	Biosynthesis of TiO2 nanoparticles using Justicia gendarussa leaves for photocatalytic and toxicity studies	Senthilkumar S., Rajendran A.	Physics	Research on Chemical Intermediates	2017-2018	10.1007/s11164-018-3464-3	Scopus
6	Structural and optical properties of Mg doped ZnS quantum dots and biological applications	Ashokkumar M., Boopathyraja A.	Physics	Superlattices and Microstructures	2017-2018	10.1016/j.spmi.2017.11.005	Scopus
7	First record of migratory Grey-necked Bunting Emberiza buchanani Blyth, 1844 (Aves: Passeriformes: Emberizidae) as a winter visitor in Tiruchirappalli District, Tamil Nadu, India	Siva T., Neelanarayanan P.	Zoology	Journal of Threatened Taxa	2017-2018	10.11609/jott.3809.9.12.11095-11096	Scopus
8	Photo-degradation of CT-DNA with a series of carbothioamide ruthenium (II) complexes â€“ Synthesis and structural analysis	Muthuraj V., Umadevi M.	Chemistry	Journal of Molecular Structure	2017-2018	**10.1016/j.molstruc.2017.10.103**	Scopus

9	Prevalence and biofilm forming potency of multi-drug resistant Staphylococcus aureus among food handlers in Arba Minch University, South Ethiopia	Mama M., Alemu G., Manilal A., Seid M., Idhayadhulla A.	Chemistry	Acta Microbiologica Hellenica	2017-2018		Scopus
10	In-Vitro Antibacterial And Cytotoxicity Evaluation Of Some Novel Tetrazole Derivatives,	Anis Ahamed, Ibrahim A. Arif, Meera Moydeen, Radhakrishnan Surendra Kumar and Akbar Idhayadhulla,	Chemistry	International journal of pharamcutical sciences and research	2017-2018	10.13040/IJPSR.0975-8232.9(8).3322-27	Scopus
11	Molecular characterization, DFT and TD-DFT calculations of morpholinium tetra chloropalladate (II)	M.Umadevi and V.Muthuraj	Chemistry	Journal of Molecular Structure	2017-2018	10.1016/j.molstruc.2017.01.073	Scopus
12	CuII-Tyrosinase Enzyme Catalyst-Mediated Synthesis of 2-Thioxopyrimidine Derivatives with Potential Mosquito Larvicidal Activity: Spectroscopic and Computational Investigation as well as Molecular Docking Interaction with OBPs of Culex quinquefasciatus	SathishKumar C., Keerthana S., Ahamed A., Arif I.A., SurendraKumar R., Idhayadhulla A.	Chemistry	Chemistry Select	2017-2018	10.1002/slct.202000060	Scopus

13	Synthesis of novel pyridine-connected piperidine and 2H-thiopyran derivatives and their larvicidal, nematicidal, and antimicrobial activities	Ahamed A., Arif I.A., Kumar R.S., Idhayadhulla A., Keerthana S.R., Manilal A.	Chemistry	Journal of the Mexican Chemical Society	2017-2018	10.29356/jmcs.v62i4.472	Scopus
14	Biological evaluation of some imidazolidine-2,4-dione and 2-thioxoimidazolidin-4-one derivatives as anticoagulant agents and inhibition of MCF-7 breast cancer cell line	Mostafa A.A., Al-Rahmah A.N., Surendra Kumar R., Manilal A., Idhayadhulla A.	Chemistry	International Journal of Pharmacology	2017-2018	**10.3923/ijp.2016.290.303**	Scopus
15	Generation of addition chain using bacteria foraging optimization algorithm	Mani K., Mullai A.	Computer Science	International Journal of Engineering Trends and Technology	2017-2018	10.14445/22315381/IJETT-V69I2P205	Scopus
16	Optimizing the Run Time in Mobile Devices	Mani K., Mullai A.	Computer Science	Proceedings - 2nd World Congress on Computing and Communication Technologies, WCCCT 2017	2017-2018	**10.1109/WCCCT.2016.23**	Scopus
17	A new hybrid framework for filter based feature selection using information gain and symmetric uncertainty	Kalpana P., Mani K.	Computer Science	International Journal of Engineering, Transactions B: Applications	2017-2018	ISSN :1728144X	Scopus

18	MRImgEncA-Analysis and Enhancement of speed and Security in Public key Cryptography for image file	Jee Sai Geetha K Mani	Computer Science	International Journal of Applied Engineering Research	2017-2018	ISSN 0973-4562	Scopus
19	Lloyd and minkowski based K-means clustering for effective diagnosis of heart disease and stroke	Nalini D., Periasamy R.	Computer Science	International Review on Computers and Software	2017-2018	10.15866/irecos.v10i6.6265	Scopus
20	Binary back propagation based lift association mining for heart disease and stroke identification	Nalini D., Periasamy R.	Computer Science	International Journal of Applied Engineering Research	2017-2018	10(6):16071-16087	Scopus
21	A state of appraoches on minimization of Boolean functions	Valli M., Periyasamy R., Amudhavel J.	Computer Science	Journal of Advanced Research in Dynamical and Control Systems	2017-2018	ISSN 1943-023X	Scopus
22	Gray code based K-map technique (G-K map) for Boolean functions with many variables	Valli M., Periyasamy R., Amudhavel J.	Computer Science	Journal of Advanced Research in Dynamical and Control Systems	2017-2018	ISSN 1943-023X	Scopus
23	An Enhanced Multi Attribute Depthness Similarity Estimation Technique to Improve Classification Accuracy	Elavarasan N., Mani K.	Computer Science	Proceedings - 2nd World Congress on Computing and Communication Technologies, WCCCT 2017	2017-2018	**10.1109/WCCCT.2016.35**	Scopus

24	Extemporization of Business Strategies using Apriori based on Import and Export Patterns with Quantities.	K.Mani and R.Akila	Computer Science	International Journal of Applied Engineering Research	2017-2018	ISSN :0973-4562	Scopus
25	State of the Art with Cooperative Approach for Software Product Lines in IC Reengineering	Manimekalai S	Computer Science	Middle-East Journal of Scientific Research	2017-2018	Corpus ID: 114789954	Scopus
26	Some graph operations in multiplicative Zagreb indices	Radhakrishnan M., Suresh M., Selvi V.M.	Mathematics	AIP Conference Proceedings	2017-2018	**10.1063/5.0025250**	Scopus
27	Domination of line neighbourhood graphs	V. Mohana Selvi P. Kavitha	Mathematics	International Journal of Pure and Applied Mathematics	2017-2018	ISSN 1311-8080	Scopus
28	Highly active P25@Pd/C nanocomposite for the degradation of Naphthol Blue Black with visible light	Krishnakumar B., Kumar S., Gil J.M., Pandiyan V., Aguiar A., Sobral A.J.F.N.	Physics	Journal of Molecular Structure	2017-2018	10.1016/j.molstruc.2017.09.120	Scopus
29	Spectra, electronic structure and molecular docking investigations on 3-(phenyl(p-tolylamino)methyl)naphthalen-2-ol â€“ An experimental and computational approach	Pradeepa S.J., Boobalan M.S., Tamilvendan D., Sundaraganesan N., Sebastian S., Qian K.	Physics	Journal of Molecular Structure	2017-2018	**10.1016/j.molstruc.2017.01.020**	Scopus

30	Molecular interaction studies in binary mixtures of tetrahydrofuran with arene-substituted alcohols: acoustic and volumetric study	Shakila A., Raju R., Srinivasa Krishna T., Dey R., Pandiyan V.	Physics	Physics and Chemistry of Liquids	2017-2018	10.1080/00319104.2018.1564752	Scopus
31	In vitro antibacterial analysis of copper solution (microparticle) a novel anti- infective molecule for wound management	M.Pramila ., N. Prabhusaran., M.Meenakshisundaram.,. J.Lalithambigai and P.Karthick	Botany	Journal of dental and medical sciences	2017-2018	10.9790/0853-1707092226	Scopus
32	In vitro antioxidant activity of Phyllodium pulchellum L. Desv - an threatened medicinal plant.	Velmurugan, G. and S. P. Anand	Botany	Asian Journal of Pharmaceutical and Clinical Research	2017-2018	10.22159/ajpcr.2017.v10i10.19919	Scopus
33	GC-MS Analysis of bioactive compounds on ethanolic leaf extract of Phyllodium pulchellum L. Desv.	Velmurugan, G. and S. P. Anand	Botany	International Journal of Pharmacognosy and Phytochemical Research	2017-2018	10.25258/ijpapr.v9i1.8051	Scopus
2018-2019							
1	Electrical Resistivity Measurements of Manganite La0.95Sr0.05MnO3 Under Uniaxial Pressure at High Temperature	S. Muruganantham, S. Kumararaman, N. R. Tamilselvan T. Thaila and K. Subbaraman	Physics	Journal of Superconductivity and Novel Magnetism	2018-2019	10.1007/s10948-018-4969-0	Scopus
2	Dynamics of periodically pulsed driven chua's circuit	Inbavalli M., Srinivasan K., Gladwin Pradeep R.,	Physics	Journal of Computational and Theoretical Nanoscience	2018-2019	10.1166/jctn.2018.7165	Scopus

		Venkatesan A., Murali K.					
3	Green synthesis of CeO2â€“TiO2 compound using Cleome chelidonii leaf extract for excellent photocatalytic activity	SenthilKumar S., Lellala K., Ashok M., Priyadharsan A., Sanjeeviraja C., Rajendran A.	Physics	Journal of Materials Science: Materials in Electronics	2018-2019	10.1007/s10854-018-9534-x	Scopus
4	The effects of PVAc on surface morphological and electrochemical performance of P(VdF-HFP)-based blend solid polymer electrolytes for lithium ion-battery applications	Sasikumar M., Jagadeesan A., Raja M., Hari Krishna R., Sivakumar P.	Physics	Ionics	2018-2019	10.10007/s11581-018-2679-z	Scopus
5	Influence of Hydrothermally Synthesized Cubic-Structured BaTiO3 Ceramic Fillers on Ionic Conductivity, Mechanical Integrity, and Thermal Behavior of P(VDF-HFP)/PVAc-Based Composite Solid Polymer Electrolytes for Lithium-Ion Batteries	Sasikumar M., Raja M., Krishna R.H., Jagadeesan A., Sivakumar P., Rajendran S.	Physics	Journal of Physical Chemistry C	2018-2019	10.1021/acs.jpcc.8b03952	Scopus
6	Coexisting bifurcations in a memristive hyperchaotic oscillator	Fozin Fonzin T., Srinivasan K., Kengne J., Pelap F.B.	Physics	AEU - International Journal of Electronics and Communications	2018-2019	10.1016/j.aeue.2018.03.035	Scopus

7	Implementation of dynamic dual input multiple output logic gates via enhanced logical resonance in non-locally coupled Duffing oscillators	PR Venkatesh	Physics	Proceedings of the Indian National Science Academy	2018-2019	10.16943/ptinsa/2018/49473	Scopus
8	Phytochemicals as lead compounds for new drug discovery	Egbuna C., Kumar S., Ifemeje J.C., Ezzat S.M., Kaliyaperumal S.	Zoology	Phytochemicals as Lead Compounds for New Drug Discovery	2018-2019	10.1016/C2018-0-02367-1	Scopus
9	Effects of aloe-emodin on innate immunity, antioxidant and immune cytokines mechanisms in the head kidney leucocytes of Labeo rohita against Aphanomyces invadans	Devi G., Harikrishnan R., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Balasundaram C.	Zoology	Fish and Shellfish Immunology	2018-2019	10.1016/j.fsi.2019.02.006	Scopus
10	Comparative immunostimulatory effect of probiotics and prebiotics in Channa punctatus against Aphanomyces invadans	Devi G., Harikrishnan R., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Balasundaram C.	Zoology	Fish and Shellfish Immunology	2018-2019	10.1016/j.fsi.2018.12.051	Scopus
11	Food Composition of Indian Eagle Owl Bubo bengalensis Franklin 1831 (Aves: Strigiformes: Strigidae) from Tiruchirappalli District, Tamil Nadu, India	Siva, T. and Neelanarayanan, P.	Zoology	Journal of Threatened Taxa	2018-2019	10.11609/jott.4416.11.5.13545-13551	Scopus

12	In silico studies on colon cancer against hexadecane, hexadecanoic acid methyl ester and quinoline, 1,2-dihydro-2,2,4-trimethyl compounds from brown seaweed	Swarna Bharathi D., Boopathy Raja A.	Zoology	International Journal of Research in Pharmaceutical Sciences	2019-2020	**10.26452/ijrps.v11i2.2110**	Scopus
13	In vitro antioxidant efficacy of Biophytum sensitivum extracts	Santhi M.P., Bupesh G., Vasanth S., Ramasamy P., Johnson W.M.S., Balachandar V.	Zoology	Biochemical and Cellular Archives	2018-2019	ISSN 0972-5075	Scopus
14	Synthesis of coumarin derivatives and its Ru(II) complexes encompassing pyrazole ring as a potent antidiabetic agents – A biochemical perspective	M.Umadevi, v.Muthuraj and R.Vanajothi	Chemistry	Inorganica Chimica Acta	2018-2019	10.1016/j.ica.2019.04.029	Scopus
15	Cytotoxic, larvicidal, nematicidal and antifeedant activities of piperidin-connected 2-thioxoimidazolidin-4-one derivative	Ibrahim A. Arif, Anis Ahamed, Radhakrishnan Surendra Kumar, Akbar Idhayadhulla, Aseer Manilal	Chemistry	Saudi Journal of Biological Sciences	2018-2019	10.1016/j.sjbs.2017.12.007	Scopus
16	Paddle wheel manganese carboxylate metal organic frame work as a host for hydrophilic molecules	M.Umadevi and V.Muthuraj	Chemistry	Journal of Heterocyclic Chemistry Molecular Structure	2018-2019	10.1016/j.molstruc.2018.09.003	Scopus

17	Inhibition study of Erioglaucine disodium salt on carbon steel in hydrochloric acid medium using weight loss, electrochemical and thermodynamic properties	Palanisamy K., Kannan P., Sekar A.	Chemistry	Egyptian Journal of Petroleum	2018-2019	10.1016/j.ejpe.2017.07.008	Scopus
18	Evaluation of chromotrope FB dye as corrosion inhibitor using electrochemical and theoretical studies for acid cleaning process of petroleum pipeline	Karumalaiyan Palanisamy, Perumal Kannan and Alagan Sekar	Chemistry	Surfaces and Interfaces	2018-2019	10.1016/j.surfin.2018.05.005	Scopus
19	Professional Development Needs of Manpower In Education in India.	N. Thilagavathi, Dr.T.Porselvi	Economics	Journal of Information and Computational Science	2018-2019	ISSN: 1548-7741	Scopus
20	Phytochemical Analysis and Antimicrobial Activity of Bersama abyssinica Fresen against Multidrug-Resistant Bacterial Uropathogens: Picolinyl Hydrazide Is a Major Compound	Ameya G., Manilal A., Idhayadhulla A.	Computer Science	Journal of Herbs, Spices and Medicinal Plants	2018-2019	10.1080/10496475.2019.1635940	Scopus
21	Effective synthesis of some novel pyrazolidine-3,5-dione derivatives via Mg(II) catalyzed in water medium and their anticancer and antimicrobial activities	Meera Moydeen, Radhakrishnan Surendra Kumar, Akbar Idhayadhulla , Aseer Manilal,	Chemistry	Molecular DiversityJournal of Heterocyclic Chemistry	2018-2019	10.3390/polym13071046	Scopus

22	Synthesis of novel benzopyran-connected pyrimidine and pyrazole derivatives: Via a green method using Cu(II)-tyrosinase enzyme catalyst as potential larvicidal, antifeedant activities	Abdel-Fattah Mostafa A., Sathishkumar C., Al-Askar A.A., Sayed S.R.M., Surendrakumar R., Idhayadhulla A.	Chemistry	RSC Advances	2018-2019	10.1039/C9RA04496E	Scopus
23	Antimicrobial, anticoagulant, and cytotoxic evaluation of multidrug resistance of new 1,4-dihydropyridine derivatives	Ahamed A., Arif I.A., Mateen M., Surendra Kumar R., Idhayadhulla A.	Chemistry	Saudi Journal of Biological Sciences	2018-2019	10.3390/polym13071046	Scopus
24	Performance Comparison of the Cloud Optimized Eclat Growth and Multi-Core Processing Cloud Eclat Growth	Priya V, Dr.S.Murugan	Computer Science	the International Journal of Scientific & Research (IJSTR)	2018-2019	ISSN: 2249 – 8958	Scopus
25	Enhanced crop yield prediction using Monte Carlo method and binary cuckoo search	Chellammal Surianarayanan, Kodimalar Palanivel and K. Mani	Computer Science	Malaya Journal of Matematik	2019-2020	**10.26637/MJM0804/0074**	Scopus
26	On sequences of diophantine 3-tuples generated through bernoulli polynomials	Thiruniraiselvi N., Gopalan M.A., Kumar S.	Mathematics	International Journal of Advanced Science and Technology	2018-2019	Vol. 27, No.1,(2019), pp.61-68	Scopus
27	Twain positive and negative domination in bipolar fuzzy graphs	Sivamani S., Mohanaselvi V.	Mathematics	Asia Life Sciences	2018-2019	0117-3375	Scopus

28	Thermodynamic and FT-IR study on molecular interactions between ethyl lactate with alkyl amines at different temperatures	Shakila A., Ravikumar S., Raveendra M., Sivakumar K., Raju R., Pandiyan V.	Physics	Physics and Chemistry of Liquids	2018-2019	10.1080/00319104.2018.1432047	Scopus
29	Antioxidant (in vitro), Antidiabetic (in vitro) and Photocatalytic Activity of Costus speciosus Leaf Extract Assisted CS-Ag-TiO2 Composites	C Surya, NAA John, V Pandiyan, P Amutha, AJF do Nascimento Sobral	Physics	Toxicology and Environmental Health Sciences	2018-2019	10.1007/s13530-019-0404-6	Scopus
30	Role of chain length in molecular interactions between monoethanolamine and 2-alkoxyalkanols at various temperatures.	R Rajalakshmi, S Ravikumar, K Sivakumar, M Raveendra, V Pandiyan	Physics	Chemical Data Collections	2018-2019	10.1016/j.cdc.2019.100202	Scopus
31	Influence of temperature on thermo physical properties of binary mixtures of ethyl acrylate and alkyl amines: An experimental and theoretical approach.	A Shakila, S Ravikumar, V Pandiyan, R Gaba	Physics	Journal of Molecular Liquids	2018-2019	10.1016/j.molliq.2018.05.130	Scopus
32	Gelatin-assisted g-TiO2/BiOI heterostructure nanocomposites for azo dye degradation under visible light	B.Krishnakumar, R Hariharan, V Pandiyan, A Aguiar, AJFN Sobral	Physics	Journal of environmental chemical engineering	2018-2019	10.1016/j.jece.2018.06.035	Scopus

33	Solar and visible active amino porphyrin/SiO2â€“ZnO for the degradation of naphthol blue black	Krishnakumar B., Balakrishna A., Nawabjan S.A., Pandiyan V., Aguiar A., Sobral A.J.F.N.	Physics	Journal of Physics and Chemistry of Solids	2018-2019	10.1080/19443994.2013.792131	Scopus
34	GREY-HEADED LAPWING Sighting of Vanellus cinereus in Koothappar Big Tank in Tiruchirappalli District, Tamil Nadu	T.Siva, P.Neelanarayanan	Zoology	Zoo's print	2018-2019	ISSN 0971-0971	Scopus
35	Checklist of Butterflies of Nehru Memorial College and Puthanampatti village, Tiruchirappalli District, Tamil Nadu	T.Siva, P.Neelanarayanan	Zoology	Zoo's print	2018-2019	ISSN 2230-7052	Scopus
2019-2020							
1	Realisation of parallel logic elements and memory latch in a quasiperiodically-driven simple nonlinear circuit	Sathish Aravindh M., Gopal R., Venkatesan A., Lakshmanan M.	physics	Pramana - Journal of Physics	2019-2020	10.1007/s12043-020-1939-4	Scopus
2	Thermoluminescence charcteristics studies of phosphor material with anti-bacterial activity	Rubalajyothi P., Rajendran A.	Physics	Journal of Critical Reviews	2019-2020	10.31838/jcr.07.01.106	Scopus
3	High electrochemical performance of nano TiO2 ceramic filler incorporated PVC-PEMA composite gel polymer electrolyte for Li-ion battery applications	S. Vijayashree A. Jagadeesan, M. Sasikumar, R. Hari Krishna,N. Raja, D. Gopalakrishna, and P Sivakumar	Physics	Materials Research Express 6	2019-2020	10.1088/2053-1591/ab3cb8	Scopus

4	Fabrication of BaTiO3 ceramic filler incorporated PVC-PEMA based blend nanocomposite gel polymer electrolytes for Li ion battery applications	Jagadeesan A., Sasikumar M., Jeevani R., Therese H.A., Ananth N., Sivakumar P.	Physics	Journal of Materials Science: Materials in Electronics	2019-2020	10.1007/s10854-019-02065-7	Scopus
5	Control of multistability in a self-excited memristive hyperchaotic oscillator	Fonzin Fozin, R. Kengne, K. Srinivasan, J. Kengne and F.B. Pelap	Physics	T, Int. J. Bifurcation and Chaos	2019-2020	10.1142/S0218127419501190	Scopus
6	Multistability control of space magnetization in hyperjerk oscillator: A case study	Leutcho G.D., Kengne J., Fozin T.F., Srinivasan K., Njitacke Tabekoueng Z., Jafari S., Borda M.	Physics	Journal of Computational and Nonlinear Dynamics	2019-2020	10.1115/1.4046639	Scopus
7	Controllable synthesis of CeO2/g-C3N4 hybrid catalysts and its structural, optical and visible light photocatalytic activity	Barathi D., Rajalakshmi N., Ranjith R., Sangeetha R., Meyvel S.	Physics	Diamond and Related Materials	2019-2020	**10.1016/j.diamond.2020.108161**	Scopus
8	Effect of cassic acid on immunity and immune-reproductive genes transcription in Clarias gariepinus against Edwardsiella tarda	Harikrishnan R., Devi G., Paray B.A., Al-Sadoon M.K., Al-Mfarij A.R., Van Doan H.	Zoology	Fish and Shellfish Immunology	2019-2020	10.1016/j.fsi.2020.02.037	Scopus
9	Antiviral phytocompounds for drug development: A data mining studies	Kaliyaperumal S., Periyasamy K., Balakrishnan U., Palanivel P., Egbuna C.	Zoology	Phytochemicals as Lead Compounds for New Drug Discovery	2019-2020	10.1016/b978-0-12-817890-4.00015-9	Scopus

10	Study the immunomodulation of anthracenedione in striped dwarf catfish, Mystus vittatus against pathogenic bacteria, Aeromonas hydrophila	Harikrishnan R., Devi G., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Gokul E.	Zoology	Fish and Shellfish Immunology	2019-2020	10.1016/j.fsi.2019.10.033	Scopus
11	Effect of symbiotic supplemented diet on innate-adaptive immune response, cytokine gene regulation and antioxidant property in Labeo rohita against Aeromonas hydrophila	Devi G., Harikrishnan R., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Balasundaram C.	Zoology	Fish and Shellfish Immunology	2019-2020	10.1016/j.fsi.2019.04.036	Scopus
12	Cytotoxic and apoptotic including activity of ethanol extract of naraveliazeylanica in human breast cancer cells.	Umarani.B, Saravanan.K	Zoology	Indian journal of natural science	2019-2020	ISSN 0976-0997	Web of Science
13	Anticancer agents from some known palnts:A review	Umarani.B, Saravanan.K	Zoology	A review Infokara research	2019-2020	ISSN 1021-9056	Scopus
14	Freshwater musle (Bivalvia: unionoidea) as a biological water quality indicater	P.Premalatha K.Saravanan, P.Karuppannan	Zoology	International journal of ecology, environment and conversation	2019-2020	ISSN 0971-756X	Scopus
15	Diversity of Avifauna during different developmental stages of Paddy Crop in Tiruchirappalli District, Tamil Nadu, India	Siva, T. and Neelanarayanan, P.	Zoology	Pestology	2019-2020	ISSN:0970-3012	Scopus

16	Chemically synthesized Silica-Zinc Nanocomposite Acts as Potential Antibacterial Agent against Urinary Pathogen.,	SWARNA BHARATHI and BOOPATHYRAJA, A	Zoology	Journal of Engineering Sciences	2019-2020	ISSN 0377-9254	Scopus
17	Diversity of Butterflies from different Agroecosystem with their Host Plants in Namakkal District, Tamil Nadu, India	C.Kanimozhi,V. Ramesh, P.C. Pathania, Rameshkumar.A	Zoology	Applied Ecology and Environmental Sciences	2019-2020	10.12691/aees-8-5-19	UGC
18	A DFT Study on Structural and Bonding Analysis of Transition-Metal Carbonyls with terminal Haloborylene Ligands [M(CO)3(BX)] (M=Ni, Pd, and Pt; X= F, Cl, Br, and I	F.paularsokiadors , A.Sekar, Thayalaraj Christopher Jeyakumar	Chemistry	Computational and Theoretical Chemistry	2019-2020	10.1016/j.comptc.2020.112750	Scopus
19	Embedding technology in curriculum design and development	Tamilmani K.T., Nagalakshmi R.	English	International Journal of Innovative Technology and Exploring Engineering	2019-2020	10.2139/ssrn.3557543	Scopus
20	Health practices and problems in rural india	R.Geetha	Economics	Indian journal of adult education	2019-2020	ISSN: 0019-5006	UGC
21	Antioxidant Activity of Telmisartan-Cu(II) Nanoparticles Connected 2-Pyrimidinamine and Their Evaluation of Cytotoxicity Activities	Surendrakumar R., Idhayadhulla A., Alarifi S., Ahamed N.A., Sathish Kumar C.	Chemistry	BioMed Research International	2019-2020	10.3390/polym13071046	Scopus

22	In silico molecular docking: Evaluation of coumarin based derivatives against SARS-CoV-2	Chidambaram S.K., Ali D., Alarifi S., Radhakrishnan S., Akbar I.	Chemistry	Journal of Infection and Public Health	2019-2020	10.1016/j.jiph.2020.09.002	Scopus
23	Synthesis, cytotoxic analysis, and molecular docking studies of tetrazole derivatives via n-mannich base condensation as potential antimicrobials	Hatamleh A.A., Farraj D.A., Al-Saif S.S., Chidambaram S., Radhakrishnan S., Akbar I.	Chemistry	Drug Design, Development and Therapy	2019-2020	10.2147/DDDT.S270896	Scopus
24	Enhancing the security in RSA and elliptic curve cryptography based on addition chain using simplified Swarm Optimization and Particle Swarm Optimization for mobile devices	Mullai A., Mani K.	Computer Science	International Journal of Information Technology (Singapore)	2019-2020	**doi.org/10.1007/s41870-019-00413-8**	Scopus
25	Performance Comparison of the Cloud Optimized Eclat Growth and Multi-Core Processing Cloud Eclat Growth	Priya V, Dr.S.Murugan	Computer Science	the International Journal of Scientific & Research (IJSTR)	2019-2020	ISSN 2277-8616	Scopus
26	Enhanced LSTM for ASD classification	Padmapriya S., Murugan S.	Computer Science	International Journal of Scientific and Technology Research	2019-2020	ISSN 2277-8616	Scopus
27	Consecrate recurrent neural network classifier for autism classification	Padmapriya S., Murugan S.	Computer Science	International Journal of Engineering and	2019-2020	ISSN: 2249 – 8958	Scopus

				Advanced Technology			
28	Fine tune watershed using embankment to extract tumor from human head scan	Josephine S., Murugan S.	Computer Science	International Journal of Scientific and Technology Research	2019-2020	ISSN 2277-8616	Scopus
29	Brain Tumor Grade Detection by Using ANN	S. Josephine, S. Murugan	Computer Science	International Journal of Engineering and Advanced Technology	2019-2020	ISSN: 2249 – 8958	Scopus
30	Efficient High Average-Utility Pattern Mining For Big Data.	R. Vasumathi, Dr. S. Murugan	Computer Science	International Journal of Scientific & Technology Research,	2019-2020	ISSN 2277-8616	Scopus
31	Map Reduced Tighter Upper Bound for High Average-Utility Pattern Mining For Big Data	R.Vasumathi, Dr.S.Murugan	Computer Science	International Journal of Scientific & Technology Research,	2019-2020	ISSN 2277-8616	Scopus
32	Elgamal Encryption using Lucas, Elliptic Curve and SRZ Model.	Mani. K, Barakath Begam. A	Computer Science	International Journal of Engineering and Advanced Technology	2019-2020	ISSN: 2249 – 8958	Scopus
33	Generation of Keymatrix For Hill Cipher Encryption using Quadratic Form.	Dr. K. Mani, A. Barakath Begam	Computer Science	International Journal of Scientific & Technology Research	2019-2020	ISSN 2277-8616	Scopus

34	Generation of Keystream for Symmetric cipher using U-matrix	Dr. K. Mani, A. Devi	Computer Science	International Journal of recent technology and engineering	2019-2020	10.35940/ijrte.C4760.098319	Scopus
35	TSD-CPI: Traffic sign Detection Technique based on Centroid Position Identification in Text Mining	Ms.Karthika and Dr.S.Murugan	Computer Science	International Journal of Engineering and Advanced technology(IJEAT)	2019-2020	10.35940/ijeat.B3056.129219	Scopus
36	Trust Based Secure Routing Mechanism in Mobile Adhoc Networks for Enhancing the Routing Performances	Dr.K.Mani, S. Prasath Sivasubramanian	Computer Science	International Journal of Engineering and Advanced technology(IJEAT)	2019-2020	10.35940/ijeat.C5492.029320	Scopus
37	The Connected Complement Domination Matrix and Energy of Graphs	S. Dhivyakannu	Mathematics	Inter national Journal of Pure and Applied Mathematics	2019-2020	; ISSN: 1314-3395	Scopus
38	Study of intermolecular interactions in the binary mixtures containing cyclic ethers and benzyl amine at different temperatures	Rajalakshmi R., Ravikumar S., Raju R., Gaba R., Gerald Arokiaraj R., Balamurugan S., Sangeetha R., Pandiyan V.	Physics	Chemical Data Collections	2019-2020	10.1016/j.cdc.2020.100561	Scopus
39	Costus speciosus leaf extract assisted CS-Pt-TiO2 composites: Synthesis, characterization and their bio and photocatalytic applications.	C Surya, NAA John, V Pandiyan, S Ravikumar, P Amutha, AJFN Sobral	Physics	Journal of Molecular Structure	2019-2020	10.1016/j.molstruc.2019.06.030	Scopus

40	Thermodynamic properties of binary liquid mixtures containing aromatic alcohol and aliphatic amines at different temperatures.	A Shakila, S Ravikumar, V Pandiyan, R Gaba	Physics	Journal of Molecular Liquids	2019-2020	10.1016/j.molliq.2019.04.064	Scopus
41	Excess thermodynamic properties of intermolecular interactions in binary liquid mixtures of furfural with alkyl acetates (C1-C5) at different temperatures,	R Rajalakshmi, S Ravikumar, K Sivakumar, V Pandiyan	Physics	Chemical Data Collections	2019-2020	10.1016/j.cdc.2019.100299	Scopus
42	Thermodynamic properties and IR studies of binary mixtures of benzyl amine with alkyl esters at different temperatures	R.Rajalakshmi S.Ravikumar RekhaGaba V.Pandiyana	Physics	Chemical Data Collections	2019-2020	**10.1016/j.cdc.2019.100278**	Scopus
43	Sighting of threatened amphibians from the Avalanche Forest in Western Ghats, Nilgiris, Tamil Nadu	Siva Naturewild	Zoology	zoo's print	2019-2020	ISSN 0971-6378	Scopus
44	Emergence and Midigation of Extreme events in a perametrically driven system with velocity dependent potential	S. Sudharsan, A. Venkatesan, P. Muruganatham, M. Senthilvalen	Physics	The European Physical Journal Plus	2019-2020	10.1140/epjp/s13360-021-01114-7	Scopus

45	Route to logical strange nonchaotic attractors with single periodic force and noise	Sathish Aravindh M., Venkatesan A., Lakshmanan M.	Physics	Chaos	2019-2020	**doi.org/10.1063/5.0017725**	Scopus
46	Complex Dynamics in a Memristive Diode Bridge-Based MLC Circuit: Coexisting Attractors and Double-Transient Chaos	Chithra A., Fozin T.F., Srinivasan K., Kengne E.R.M., Kouanou A.T., Mohamed I.R.	Physics	International Journal of Bifurcation and Chaos	2019-2020	10.1142/S0218127421500498	Scopus
47	Green synthesis and characterization of biocompatible zinc oxide nanoparticles and evaluation of its antibacterial potential	Ramesh P., Saravanan K., Manogar P., Johnson J., Vinoth E., Mayakannan M.	Physics	Sensing and Bio-Sensing Research	2019-2020	10.1016/j.sbsr.2021.100399	Scopus
48	Impact of cinnamaldehyde on innate immunity and immune gene expression in Channa striatus against Aphano myces invadans	Ramasamy Harikrishnan, Gunapathy Devi, Chellam Balasundaram, Hien Van Doand, Sanchai Jaturasith, Kaliyaperumal Saravanan, EinarRingø	Zoology	Fish & Shellfish Immunology	2019-2020	10.1016/j.fsi.2021.07.009	Scopus
49	Antihyperlipidemic Effects of Silver Nanoparticles Synthesized from Ventilago maderaspatana Leaf Extract on Streptozotocin-Induced Albino Rats	Periyasamy Karuppannan, Kaliyaperumal Saravanan, Chukwuebuka Egbuna, Chukwuemelie Z. Uche, Kingsley C. Patrick-Iwuanyanwu, Johra Khan	Zoology	Trop J Nat Prod Res.	2019-2020	10.26538/tjnpr/v1i4.5	Scopus

50	Bioactive Compounds Effective Against Type 2 Diabetes Mellitus: A Systematic Review	Chukwuebuka Egbuna, Kaliyaperumal Saravanan	Zoology	Current Topics in Medicinal Chemistry	2019-2020	10.2174/1568026621666210509161059	Scopus
51	Green synthesis characterization of bio compatiable Zinc Oxide Nano particle and evaluation of its antibacterial potential	P. Ramesh, K. Saravanan, M Mayakannan	Physics	Sensing and Bio-Sensing Research	2019-2020	**https://doi.org/10.1016/j.sbsr.2021.100399**	Scopus
52	Effect of chrysophanic acid on immune response and immune genes transcriptomic profile in Catla catla against *Aeromonas hydrophila*	Harikrishnan R., Devi G., Balasundaram C., Van Doan H., Jaturasitha S., RingÃ¸ E., Faggio	Zoology	*Scientific Reports*	2019-2020	10.1038/s41598-020-79629-9	Scopus
53	Field evaluation of toxicity of plant extracts against vector of filariasis Culex quinquefasciatus Say, 1823 (Diptera: Culicidae)	Selvan P.S., Senthoorraja R., Ramesh V., Jebanesan	Zoology	*South African Journal of Botany*	2019-2020	10.1016/j.sajb.2021.01.027	Scopus
54	Effect of diet enriched with *Agaricus bisporus* polysaccharides (ABPs) on antioxidant property, innate-adaptive immune response and pro-anti inflammatory genes expression in *Ctenopharyngodon idella* against *Aeromonas hydrophila.*	Harikrishnan R., Devi G., Van Doan H., Balasundaram C., Thamizharasan S., Hoseinifar S.H., Abdel-Tawwab M	Zoology	Fish and Shellfish Immunology	2019-2020	10.1016/j.fsi.2021.04.025	Scopus

55	Impact of grape pomace flour (GPF) on immunity and immune-antioxidant-anti-inflammatory genes expression in Labeo rohita against Flavobacterium columnaris	Harikrishnan R., Devi G., Van Doan H., Balasundaram C., Esteban M.Ã□., Abdel-Tawwab M	Zoology	Fish and Shellfish Immunology	2019-2020	10.1016/j.fsi.2021.01.011	Scopus
56	DNA barcoding of earthworms from lateritic semi evergreen forest of Kolli hill, a part of Eastern Ghats, Tamil Nadu, India	Sathis Kumar K., Neelanarayanan P.	Zoology	Research Journal of Biotechnology	2019-2020	Vol. 15 (11)	Scopus
57	Dried lemon peel enriched diet improves antioxidant activity, immune response and modulates immuno-antioxidant genes in Labeo rohita against Aeromonas sorbia	Harikrishnan R., Thamizharasan S., Devi G., Van Doan H., Ajith Kumar T.T., Hoseinifar S.H., Balasundaram C	Zoology	Fish and Shellfish Immunology	2019-2020	10.1016/j.fsi.2020.07.040	Scopus
58	BUTTERFLIES DIVERSITY (LEPIDOPTERA: PAPILIONOIDEA) IN AGRO-ECOSYSTEMS OF TIRUCHIRAPPALLI DISTRICT OF TAMIL NADU, INDIA	V. Ramesh	Zoology	UTTAR PRADESH JOURNAL OF ZOOLOGY	2019-2020	ISSN: 0256-971X (P)	Web of Science
59	Impact of vehicular traffic on birds in Tiruchirappalli District, Tamil Nadu, India	Siva T., Neelanarayanan P.	Zoology	Journal of Threatened Taxa	2019-2020	10.11609/jott.5532.12.10.16352-16356	Scopus

60	Theoretical studies of group 10 metal gallylene complexes [TM(CO)3(GaX)]	A. Sekar	Chemistry	Computational and Theoretical Chemistry	2019-2020	doi.org/10.1016/j.comptc.2020.113139	Scopus
61	Correction to: Coordination of indium monohalide with group-10 metal carbonyls [TM(CO)3(InX)]: a DFT study (Chemical Papers, (2021),	A. Sekar	Chemistry	Chemical Papers	2019-2020	**doi.org/10.1007/s11696-020-01319-7**	Scopus
62	Structural, cytotoxicity and molecular docking studies of some quinoline schiff bases and their Pd(II), Mn(II) and Ru(II) complexes	Umadevi M., Muthuraj V., Vanajothi R.	Chemistry	Journal of Molecular Structure	2019-2020	**doi.org/10.1016/j.molstruc.2020.128778**	Scopus
63	Effects on anti-inflammatory, DNA binding and molecular docking properties of 2-chloroquinolin-3-yl-methylene-pyridine/pyrazole derivatives and their palladium(II) complexes	Bhuvaneswari S., Umadevi M., Vanajothi R.	Chemistry	Bioorganic and Medicinal Chemistry Letters	2019-2020	**doi.org/10.1016/j.bmcl.2020.127593**	Scopus
64	In silico molecular docking: Evaluation of coumarin based derivatives against SARS-CoV-2	C. Sathishkumar, R. Surendrakumar, A. Idhayadhulla	Chemistry	Journal of Infection and Public Health	2019-2020	10.1016/j.jiph.2020.09.002	Scopus

65	Antimicrobial and cytotoxic activities of isoniazid connected menthone derivatives and their investigation of clinical pathogens causing infectious disease	A. Idhayadhulla	Chemistry	Journal of Infection and Public Health	2019-2020	**https://doi.org/10.1016/j.jiph.2020.12.033**	Scopus
66	Synthesis and Characterization of A minophosphonate Containing Chitosan Polymer Derivatives: Investigations of Cytotoxic Activity and in Silico Study of SARS-CoV-19	R. Surendrakumar, A. Idhayadhulla	Chemistry	Polymers	2019-2020	doi.org/10.3390/polym13071046	Scopus
67	Green catalyst Cu(II)-enzyme-mediated eco-friendly synthesis of 2-pyrimidinamines as potential larvicides against Culexquinquefasciatus mosquito and toxicity investigation against non-target aquatic species	C. Sathishkumar, R. Surendrakumar, A. Idhayadhulla	Chemistry	Bioorganic Chemistry	2019-2020	DOI: 10.1016/j.bioorg.2021.104697	Scopus
68	Grindstone Chemistry: Design, One-Pot Synthesis, and Promising Anticancer Activity of Spiro[acridine-9,2'-indoline]-1,3,8-trione	R. Surendrakumar, A. Idhayadhulla	Chemistry	Molecules	2019-2020	doi.org/10.3390/molecules25245862	Scopus

	Derivatives against the MCF-7 Cancer Cell Line						
69	Synthesis of novel coumarin analogues: Investigation of molecular docking interaction of SARS-CoV-2 proteins with natural and synthetic coumarin analogues and their pharmacokinetics studies	C. Sathishkumar, R. Surendrakumar, A. Idhayadhulla	Chemistry	Saudi Journal of biological sciences	2019-2020	doi.org/10.1016/j.sjbs.2020.11.038	Scopus
70	Tel-Cu-NPs catalyst: Synthesis of naphtho[2,3-g]phthalazine derivatives as potential inhibiters of tyrosinase enzymes and their investigation in kinetic, molecular docking, and cytotoxicity studies	A. Idhayadhulla	Chemistry	Catalysts	2019-2020	doi.org/10.3390/catal10121442	Scopus
71	Larvicidal activity of novel anthraquinone analogues and their molecular docking studies	R. Surendrakumar, A. Idhayadhulla	Chemistry	Saudi Journal of biological sciences	2019-2020	doi.org/10.1016/j.sjbs.2020.09.028	Scopus

72	Antimicrobial activity of novel 5-benzylidene-3-(3-phenylallylideneamino)imidazolidine-2,4-dione derivatives causing clinical pathogens: Synthesis and molecular docking studies	R. Surendrakumar, A. Idhayadhulla	Chemistry	Journal of Infection and Public Health	2019-2020	doi.org/10.3390/polym13071046	Scopus
73	Dopamine-mediated vanillin multicomponent derivative synthesis via grindstone method: Application of antioxidant, anti-tyrosinase, and cytotoxic activities	A. Idhayadhulla	Chemistry	Drug Design, Development and Therapy	2019-2020	doi.org/10.3390/polym13071046	Scopus
74	NICKEL (II) COMPLEXES SYNTHESIS, CHARACTERIZATION AND ITS LARVICIDAL, AND ANTIFEEDANT ACTIVITIES	M. Ramesh	Chemistry	Annals of R.S.C.B.	2019-2020	ISSN 1583-6258	Scopus
75	Synergetic effect of Sn doped ZnO nanoparticles synthesized via ultrasonication technique and its photocatalytic and antibacterial activity	V.Pandiyan	Physics	Environmental Research	2019-2020	**doi.org/10.1016/j.envres.2021.111115**	Scopus

76	*Costus speciosus* koen leaf extract assisted cs-znx (*X* = *O* or S) nanomaterials: Synthesis, characterization and photocatalytic degradation of rr 120 dye under uv and direct sunlight	S. Ravikumar, V. Pandiyan	Physics	Journal of Molecular Structure	2019-2020	**doi.org/10.1016/j.molstruc.2020.129176**	Scopus
77	Excess thermodynamic properties and FTIR studies of binary of 1, 3-dichlorobenzene with alkyl acetates (C1â€“C5) at different temperatures	R. Raju, S. Ravikumar, V. Pandiyan	Physics	Chemical Data Collections	2019-2020	**doi.org/10.1016/j.cdc.2020.100504**	Scopus
78	Influence of Nickel concentration on the photocatalytic dye degradation (methylene blue and reactive red 120) and antibacterial activity of ZnO nanoparticles	V.Pandiyan	Physics	Ceramics International	2019-2020	**doi.org/10.1016/j.ceramint.2020.05.054**	Scopus
79	Enhanced antibacterial and photocatalytic degradation of reactive red 120 using lead substituted ZnO nanoparticles prepared by ultrasonic-assisted co-precipitation method	V.Pandiyan	Physics	Ceramics International	2019-2020	**doi.org/10.1016/j.ceramint.2020.05.020**	Scopus

80	Synthesis, characterization of porphyrin and CdS modified spherical shaped SiO2 for Reactive Red 120 degradation under direct sunlight	V.Pandiyan	Physics	Journal of Molecular Structure	2019-2020	**doi.org/10.1016/j.molstruc.2020.128021**	Scopus
81	Antifungal susceptibility and virulence profile of candida isolates from abnormal vaginal discharge of women from southern India	M. Pramila	Biotechnology	European journal of obstectrics and gynecology and reproductive biology	2019-2020	**10.1016/j.ejogrb.2020.09.021**	Scopus
82	Comparative investigation on antimicrobial and phytochemical profiling of cyclea peltata and tiliocora acuminate	U. Maniarasan, N. Nagarajan	Journal of Applied Biology & Biotechnology	botany	2019-2020	10.7324/JABB.2020.803011	Scopus
83	PERFORMANCE AND SELLING FUNCTIONS OF VEGETABLE CULTIVATION FARMERS IN TAMILNADU	Mrs. N. Thilagavathi	Indian Journal of Adult Education	Economics	2019-2020	ISSN : 0019-5006	UGC
84	RURAL AREA INFRASTRUCTURE FOR CATTLE FARMS IN TAMILNADU	Mrs. N. Thilagavathi	Kala Sarovar	Economics	2019-2020	ISSN: 0975-4520	UGC
85	A STUDY OF STRESS AND JOB SATISFACTION OF DUAL CAREER	Mrs. N. Thilagavathi	Journal of the Maharaja Sayajirao	Economics	2019-2020	ISSN : 0025-0422	UGC

	TEACHER COUPLES OF TAMILNADU		University of Baroda				
86	Realization of all logic gates and memory latch in the SC-CNN cell of the simple nonlinear MLC circuit	P. Ashokkumar, M. Sathish Aravindh, A. Venkatesan, *and* M. Lakshmanan	**Chaos: An Interdisciplinary Journal of Nonlinear Science**	Physics	2019-2020	**10.1063/5.0046968**	Scopus

2015-2016

High pressure studies on the Transport properties and upper critical field (Hc2) of hole-doped Pro.8 Sro.2 FeAsO iron pnictides

J Supercond Nov Magn
DOI 10.1007/s10948-016-3485-3

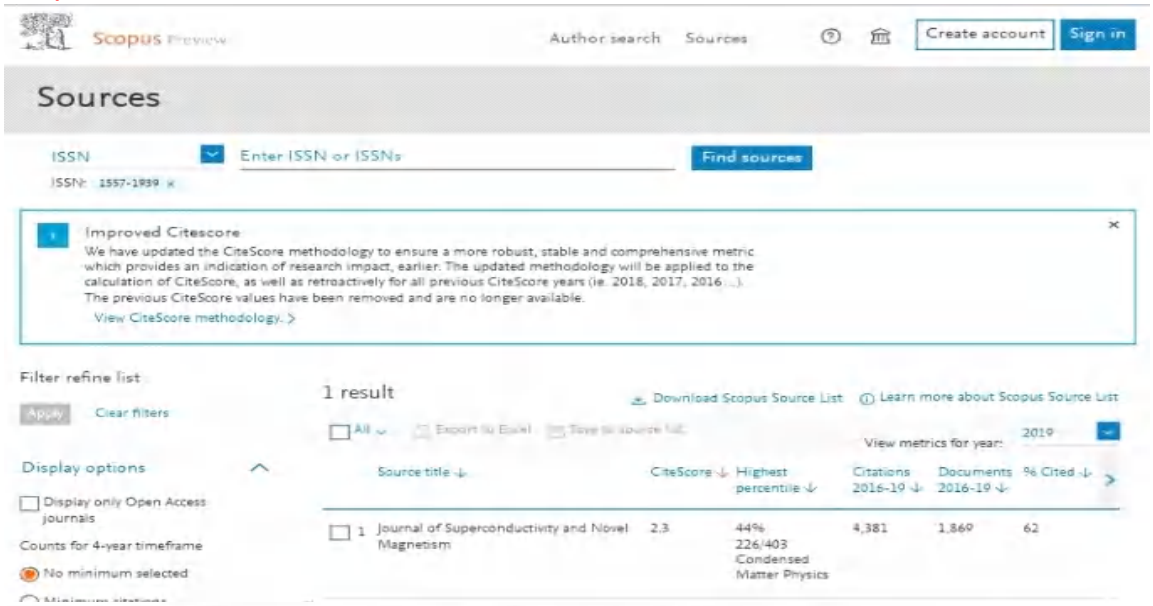
ORIGINAL PAPER

High Pressure Studies on the Transport Properties and Upper Critical Field (H_{c2}) of Hole-Doped $Pr_{0.8}Sr_{0.2}FeAsO$ Iron Pnictides

S. Kumararaman[1] · N. R. Tamilselvan[1] · K. Murata[2] · H. Yoshino[2]

Received: 23 December 2015 / Accepted: 8 March 2016

Scopus



[1] Post Graduate and Research Department of Physics, Nehru Memorial College, Tiruchirappalli 620007, India

[2] Graduate School of Science, Osaka City University, 3-3-138 Sumiyoshi-ku, Osaka 558 8585, Japan

Analytical treatment for synchronizing chaos through unidirectional coupling and implementation of logic gates

Doi = https://doi.org/10.1007/s12043-016-1199-5

SpringerLink

Published: 08 April 2016

Analytical treatment for synchronizing chaos through unidirectional coupling and implementation of logic gates

P R Venkatesh, A VENKATESAN & M LAKSHMANAN

Pramana **86**, 1195–1207 (2016) | Cite this article

159 Accesses | **11** Citations | Metrics

Author information

Affiliations

PG & Research Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirapalli, 621 007, India

P R Venkatesh & A VENKATESAN

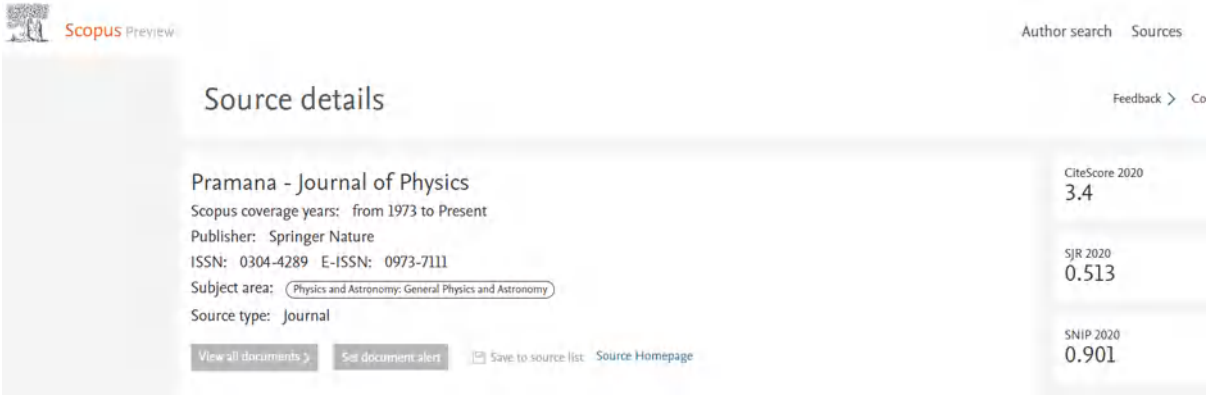
Department of Physics, Centre for Nonlinear Dynamics, Bharathidasan University, Tiruchirapalli, 620 024, India

M LAKSHMANAN

Corresponding author

Correspondence to P R Venkatesh.

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Co

Pramana - Journal of Physics

Scopus coverage years: from 1973 to Present

Publisher: Springer Nature

ISSN: 0304-4289 E-ISSN: 0973-7111

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Journal

View all documents > Set document alert Save to source list Source Homepage

CiteScore 2020
3.4

SJR 2020
0.513

SNIP 2020
0.901

Duffing-van der Pol oscillator type dynamics in Murali-Lakshmanan-Chua (MLC) circuit

Doi = https://doi.org/10.1016/j.chaos.2015.11.005

ELSEVIER

Chaos, Solitons & Fractals

Volume 82, January 2016, Pages 60-71

Duffing–van der Pol oscillator type dynamics in Murali–Lakshmanan–Chua (MLC) circuit

K. Srinivasan [a], V.K. Chandrasekar [b], A. Venkatesan [a], I. Raja Mohamed [c]

[a] Department of Physics, Nehru Memorial College, Puthanampatti P.O. 621007, Tiruchirappalli, India
[b] Centre for Nonlinear Science & Engineering, School of Electrical & Electronics Engineering, SASTRA University, Thanjavur 613401, India
[c] Department of Physics, B.S. Abdur Rahman University, Chennai 600025, India

Received 26 May 2015, Revised 24 October 2015, Accepted 4 November 2015, Available online 28 November 2015.

Check for updates

Show less

+ Add to Mendeley Share Cite

https://doi.org/10.1016/j.chaos.2015.11.005 Get rights and content

Scopus

Scopus Preview Author search Sources

Source details

Feedback > Compare sources >

Chaos, Solitons and Fractals

Scopus coverage years: from 1991 to Present

Publisher: Elsevier

ISSN: 0960-0779

Subject area: Mathematics: General Mathematics | Mathematics: Applied Mathematics | Physics and Astronomy: Statistical and Nonlinear Physics | Physics and Astronomy: General Physics and Astronomy

Source type: Journal

View all documents > | Set document alert | Save to source list | Source Homepage

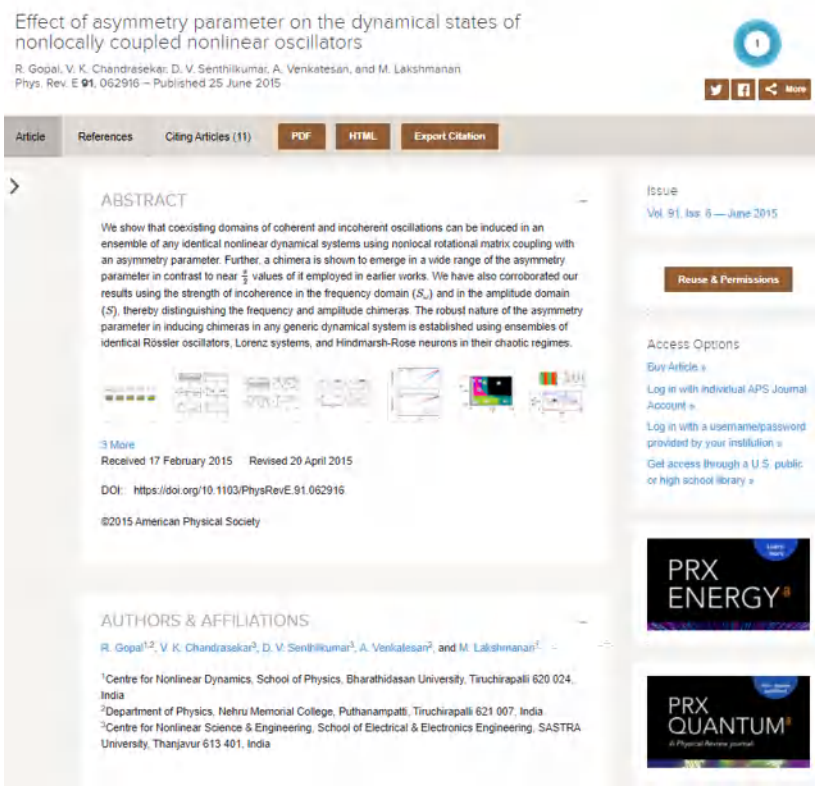
CiteScore 2020 7.2

SJR 2020 1.043

SNIP 2020 1.753

Effect of asymmetry parameter on the dynamical states of nonlocally coupled nonlinear oscillators

Doi = https://doi.org/10.1103/PhysRevE.91.062916



Effect of asymmetry parameter on the dynamical states of nonlocally coupled nonlinear oscillators

R. Gopal, V. K. Chandrasekar, D. V. Senthilkumar, A. Venkatesan, and M. Lakshmanan
Phys. Rev. E 91, 062916 – Published 25 June 2015

Article | References | Citing Articles (11) | PDF | HTML | Export Citation

ABSTRACT

We show that coexisting domains of coherent and incoherent oscillations can be induced in an ensemble of any identical nonlinear dynamical systems using nonlocal rotational matrix coupling with an asymmetry parameter. Further, a chimera is shown to emerge in a wide range of the asymmetry parameter in contrast to near $\frac{\pi}{2}$ values of it employed in earlier works. We have also corroborated our results using the strength of incoherence in the frequency domain (S_ω) and in the amplitude domain (S), thereby distinguishing the frequency and amplitude chimeras. The robust nature of the asymmetry parameter in inducing chimeras in any generic dynamical system is established using ensembles of identical Rössler oscillators, Lorenz systems, and Hindmarsh-Rose neurons in their chaotic regimes.

3 More

Received 17 February 2015 Revised 20 April 2015

DOI: https://doi.org/10.1103/PhysRevE.91.062916

AUTHORS & AFFILIATIONS

R. Gopal[1,2], V. K. Chandrasekar[3], D. V. Senthilkumar[1], A. Venkatesan[2], and M. Lakshmanan[1]

[1]Centre for Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirapalli 620 024, India
[2]Department of Physics, Nehru Memorial College, Puthanampatti, Tiruchirapalli 621 007, India
[3]Centre for Nonlinear Science & Engineering, School of Electrical & Electronics Engineering, SASTRA University, Thanjavur 613 401, India

Issue
Vol. 91, Iss. 6 — June 2015

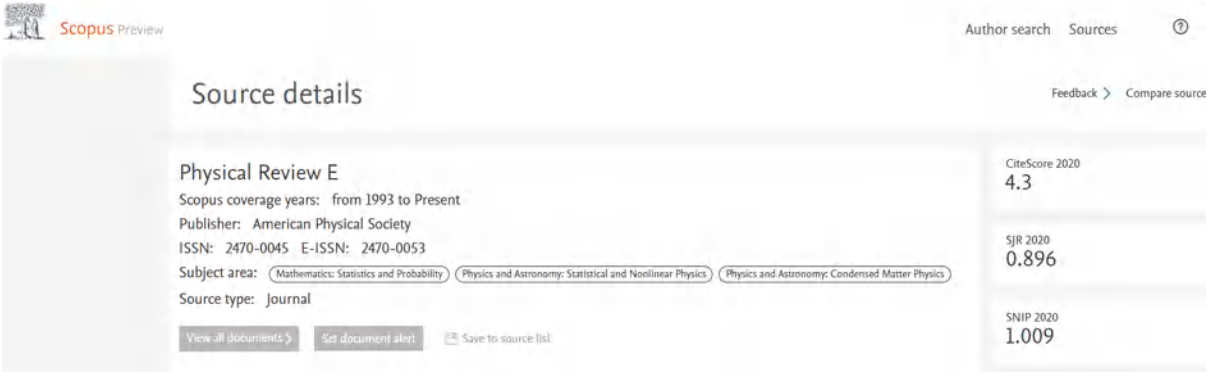
Reuse & Permissions

Access Options
Buy Article »
Log in with individual APS Journal Account »
Log in with a username/password provided by your institution »
Get access through a U.S. public or high school library »

PRX ENERGY

PRX QUANTUM

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Compare source

Physical Review E
Scopus coverage years: from 1993 to Present
Publisher: American Physical Society
ISSN: 2470-0045 E-ISSN: 2470-0053
Subject area: Mathematics: Statistics and Probability | Physics and Astronomy: Statistical and Nonlinear Physics | Physics and Astronomy: Condensed Matter Physics
Source type: Journal

View all documents > Set document alert Save to source list

CiteScore 2020
4.3

SJR 2020
0.896

SNIP 2020
1.009

Different types of synchronization in coupled network based chaotic circuits

doi.org/10.1016/j.cnsns.2016.03.002

Commun Nonlinear Sci Numer Simulat 39 (2016) 156–168

Contents lists available at ScienceDirect

Commun Nonlinear Sci Numer Simulat

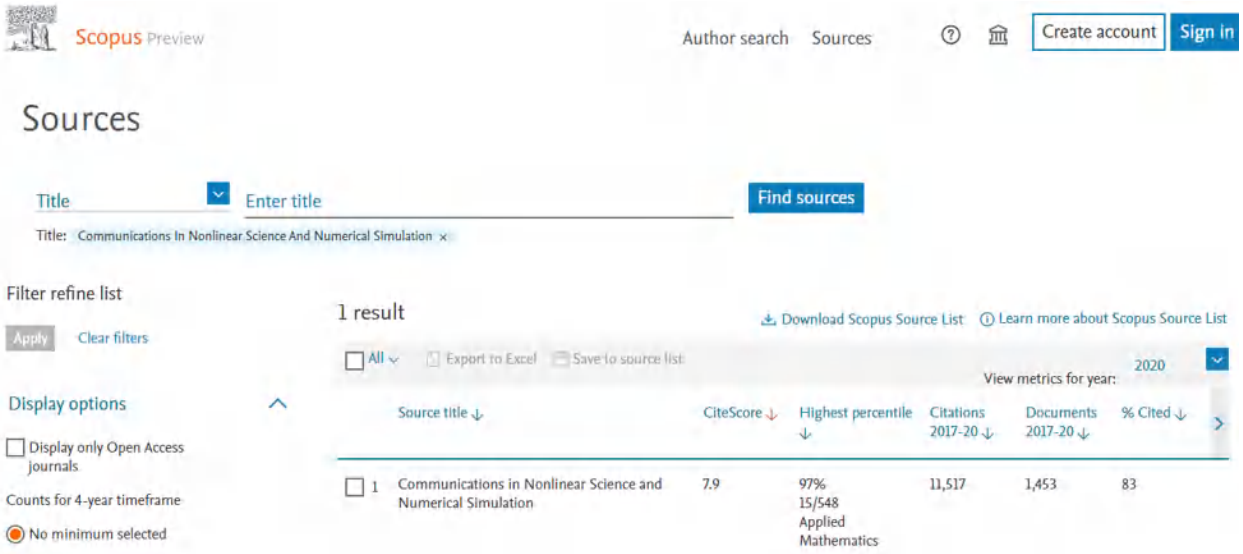
journal homepage: www.elsevier.com/locate/cnsns

Different types of synchronization in coupled network based chaotic circuits

K. Srinivasan[a,*], V.K. Chandrasekar[b], R. Gladwin Pradeep[c], K. Murali[d], M. Lakshmanan[e]

[a] Department of Physics, Nehru Memorial College, Puthanampatti, Tiruchirapalli 621 007, India
[b] Centre for Nonlinear Science & Engineering, School of Electrical & Electronics Engineering, SASTRA University, Thanjavur 613 401, India
[c] Department of Physics, KCG College of Technology, Chennai 600 097, India
[d] Department of Physics, Anna University, Chennai 600 025, India
[e] Centre for Nonlinear Dynamics, Department of Physics, Bharathidasan University, Tiruchirapalli 620 024, India

Scopus

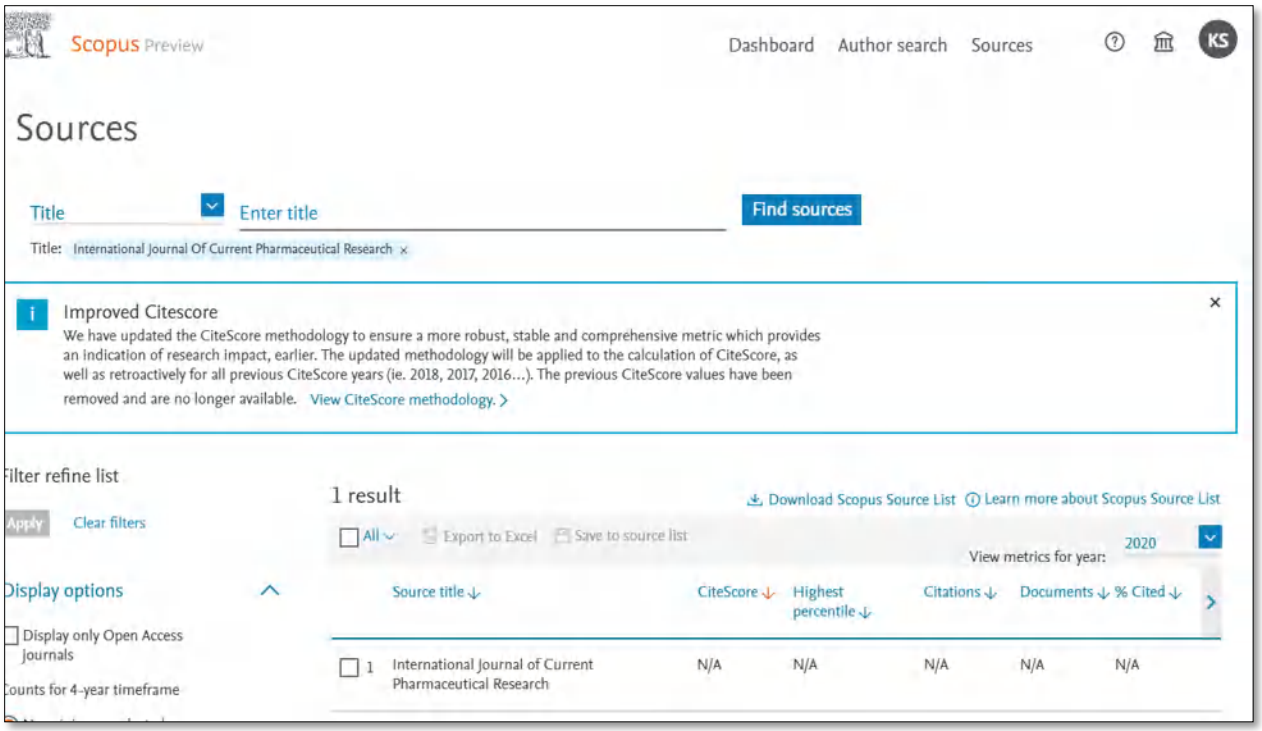


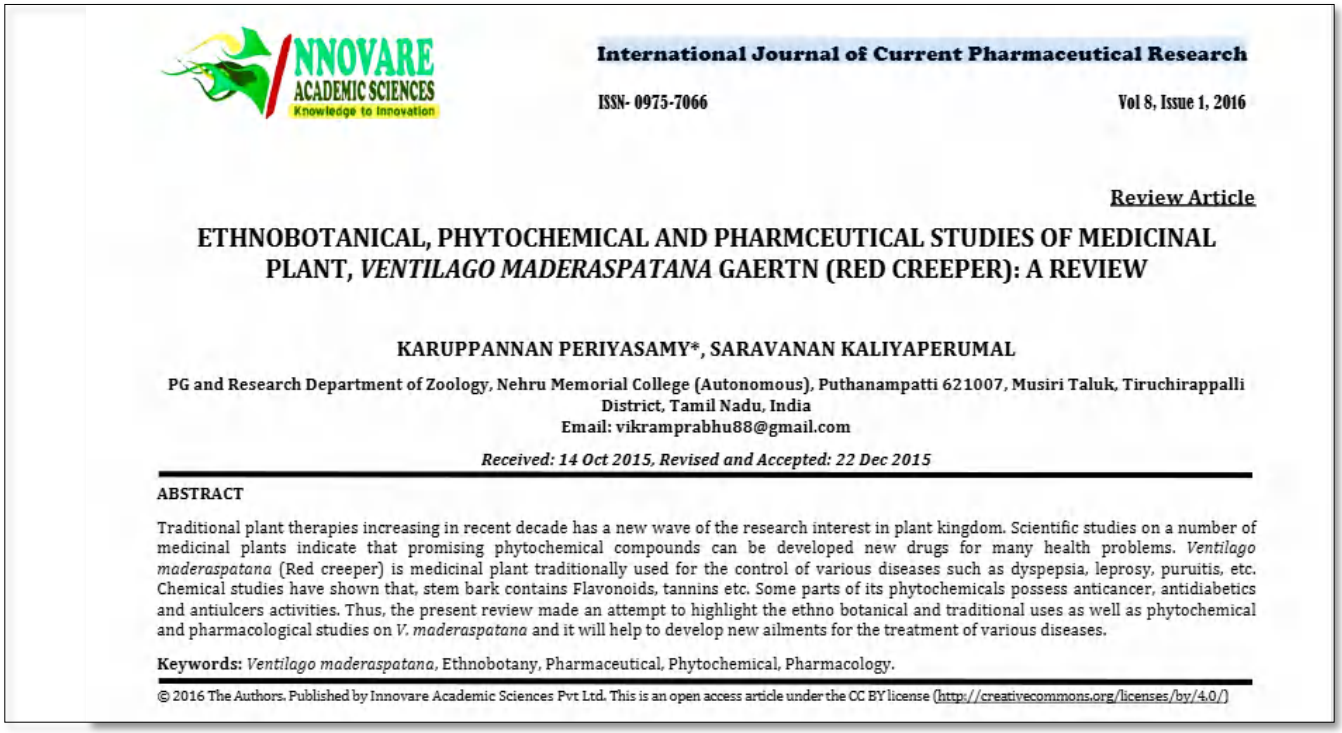
Fabrication of Ag_2SeTe thin films by thermal evaporation

doi.org/10.1179/1743294414Y.0000000353

Scopus

Karuppannan, P and Saravanan, K. 2016.
Ethnobotanical, phytochemical and pharmaceutical studies of medicinal plants *Ventilago maderaspatana* Gaertn Red Creeper: A Review. ***International Journal of current Pharmaceutical Research*.** 8:





International Journal of Current Pharmaceutical Research
ISSN- 0975-7066
Vol 8, Issue 1, 2016

Review Article

ETHNOBOTANICAL, PHYTOCHEMICAL AND PHARMCEUTICAL STUDIES OF MEDICINAL PLANT, *VENTILAGO MADERASPATANA* GAERTN (RED CREEPER): A REVIEW

KARUPPANNAN PERIYASAMY*, SARAVANAN KALIYAPERUMAL

PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti 621007, Musiri Taluk, Tiruchirappalli District, Tamil Nadu, India
Email: vikramprabhu88@gmail.com

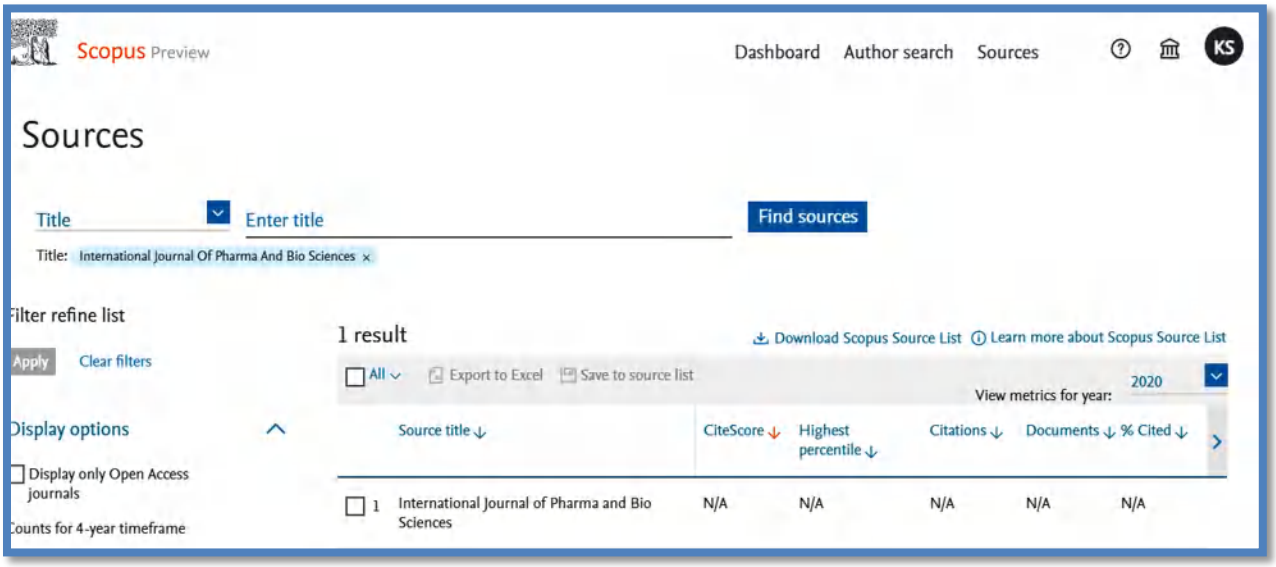
Received: 14 Oct 2015, Revised and Accepted: 22 Dec 2015

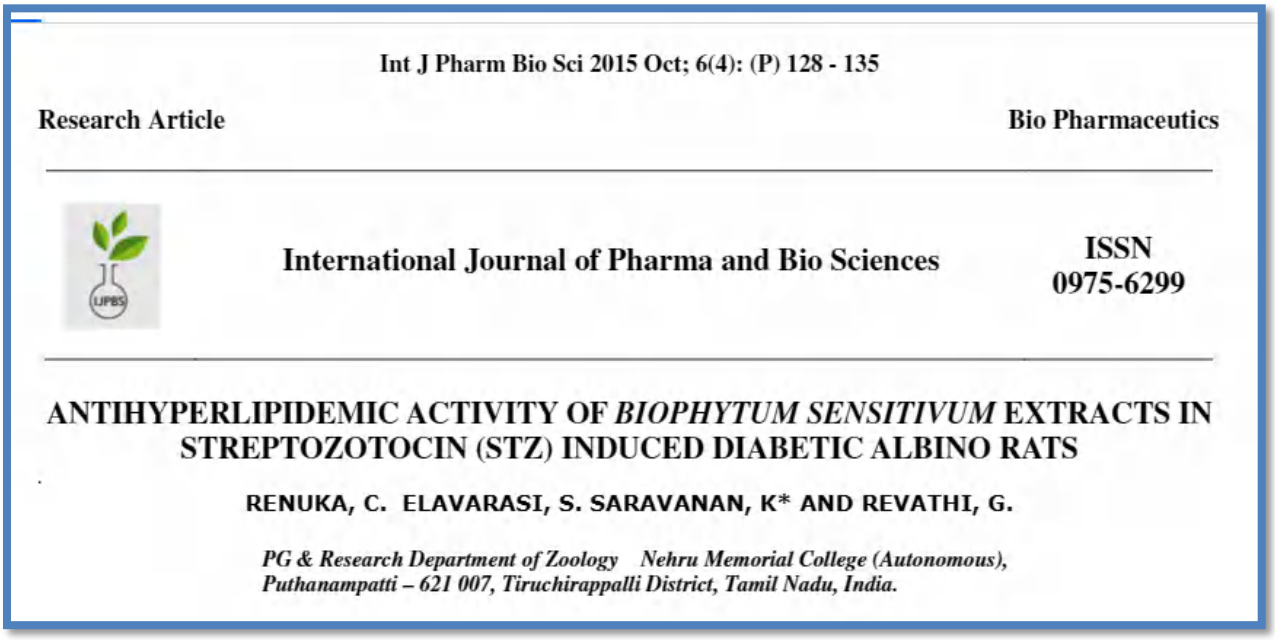
ABSTRACT

Traditional plant therapies increasing in recent decade has a new wave of the research interest in plant kingdom. Scientific studies on a number of medicinal plants indicate that promising phytochemical compounds can be developed new drugs for many health problems. *Ventilago maderaspatana* (Red creeper) is medicinal plant traditionally used for the control of various diseases such as dyspepsia, leprosy, puruitis, etc. Chemical studies have shown that, stem bark contains Flavonoids, tannins etc. Some parts of its phytochemicals possess anticancer, antidiabetics and antiulcers activities. Thus, the present review made an attempt to highlight the ethno botanical and traditional uses as well as phytochemical and pharmacological studies on *V. maderaspatana* and it will help to develop new ailments for the treatment of various diseases.

Keywords: *Ventilago maderaspatana*, Ethnobotany, Pharmaceutical, Phytochemical, Pharmacology.

Renuka, C., Elavarasi, S., **Saravanan, K** and **Revathi, G**. 2015. Antihyperlipidemic activity of Biophytum sensitivum extracts in Streptozotocin (STZ) induced diabetic albino rats. **International Journal of Pharma and Bio Sciences**. 6(p): 128-135.





Int J Pharm Bio Sci 2015 Oct; 6(4): (P) 128 - 135

Research Article | Bio Pharmaceutics

International Journal of Pharma and Bio Sciences

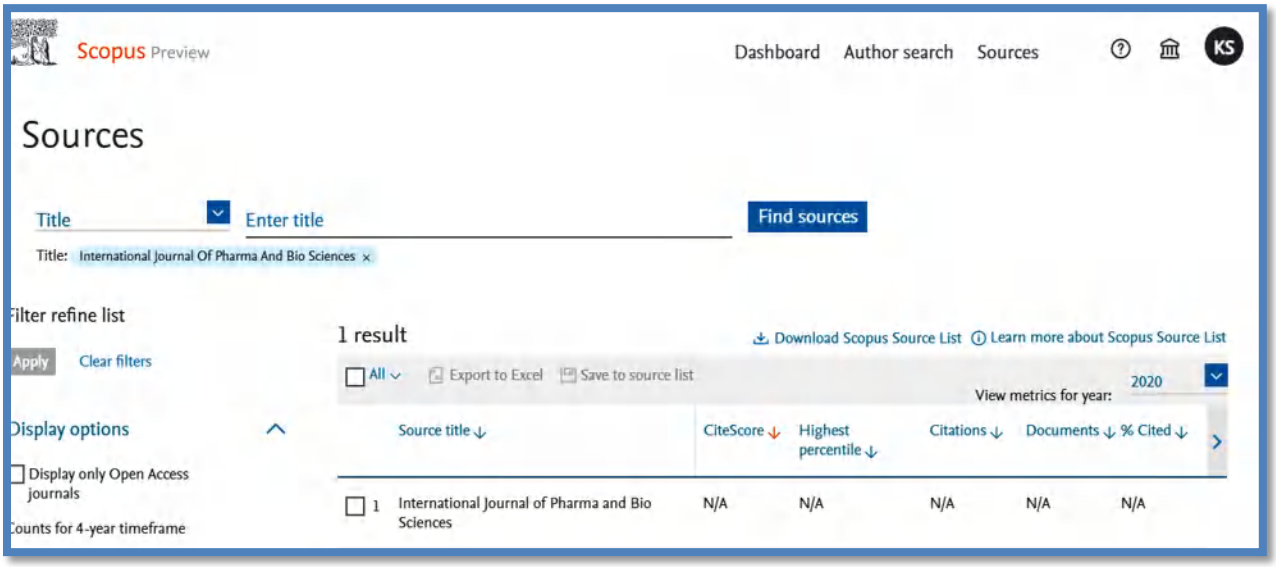
ISSN 0975-6299

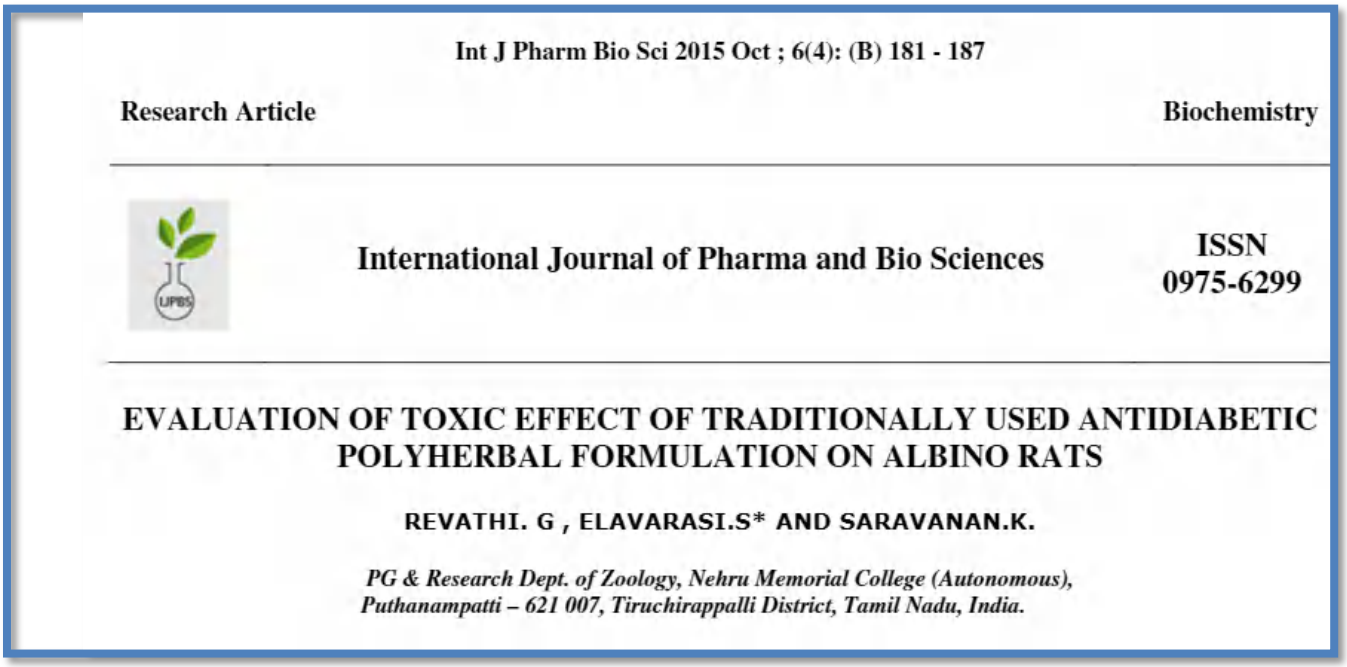
ANTIHYPERLIPIDEMIC ACTIVITY OF *BIOPHYTUM SENSITIVUM* EXTRACTS IN STREPTOZOTOCIN (STZ) INDUCED DIABETIC ALBINO RATS

RENUKA, C. ELAVARASI, S. SARAVANAN, K* AND REVATHI, G.

PG & Research Department of Zoology Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirappalli District, Tamil Nadu, India.

Revathi G., Elavarasi S., **Saravanan K.** 2015.
Evaluation of toxic effect of traditionally used antidiabetic polyherbal formulation on albino rats. **International Journal of Pharma and Bio Sciences**. 6(B): 181-187





Int J Pharm Bio Sci 2015 Oct ; 6(4): (B) 181 - 187

Research Article **Biochemistry**

International Journal of Pharma and Bio Sciences **ISSN 0975-6299**

EVALUATION OF TOXIC EFFECT OF TRADITIONALLY USED ANTIDIABETIC POLYHERBAL FORMULATION ON ALBINO RATS

REVATHI. G , ELAVARASI.S* AND SARAVANAN.K.

PG & Research Dept. of Zoology, Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirappalli District, Tamil Nadu, India.

Collection and Data mining of bioactive compounds with cancer treatment properties in the plants of fabaceae family.

E-ISSN: 0975-8232; P-ISSN: 2320-5148

IJPSR (2016), Vol. 7, Issue 5 (Research Article)

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH

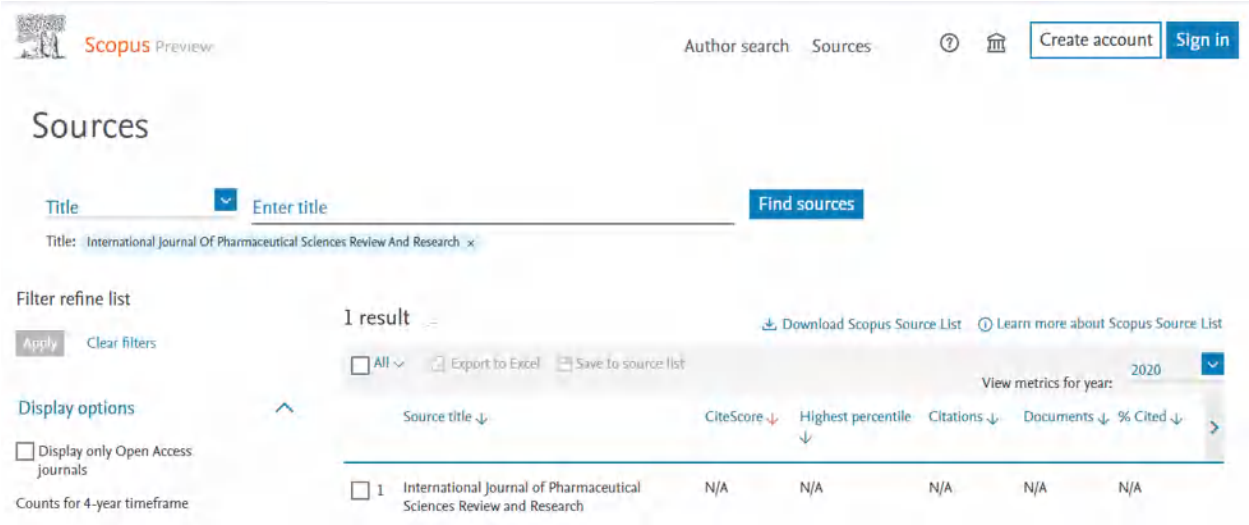
Received on 07 December, 2015; received in revised form, 26 January, 2016; accepted, 07 February, 2016; published 01 May, 2016

COLLECTION AND DATA-MINING OF BIOACTIVE COMPOUNDS WITH CANCER TREATMENT PROPERTIES IN THE PLANTS OF FABACEAE FAMILY

Balan Velusamy, Saravanan Kaliyaperumal* and Arulpriya Raju

PG & Research Department of Zoology, Nehru Memorial College (Autonomous) Puthanampatti – 621 007, Tiruchirapalli, Tamilnadu, India.

Scopus



Effect of different animal manure on Vermicomposting of mixed leaves litter by utilizing an exotic earthworm, Eudriluseugeniae.

ISSN 2320-5407 International Journal of Advanced Research (2015), Volume 3, Issue 7, 1360-1376

ISSN NO. 2320-5407

Journal homepage: http://www.journalijar.com

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH

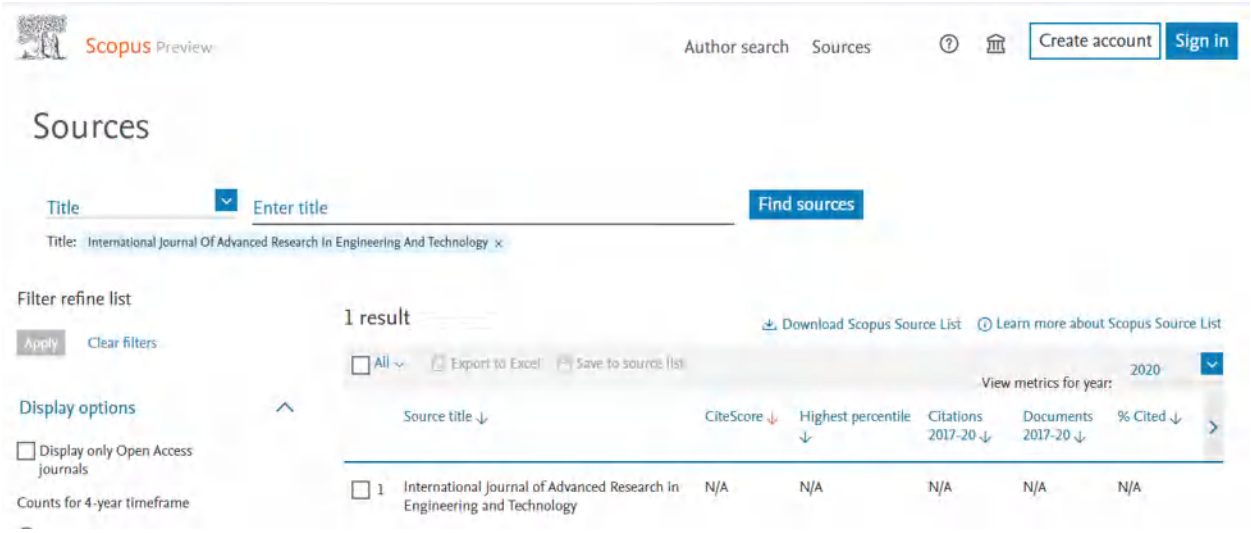
RESEARCH ARTICLE

EFFECT OF DIFFERENT ANIMAL MANURE ON VERMICOMPOSTING OF MIXED LEAVES LITTER BY UTILIZING AN EXOTIC EARTHWORM, *EUDRILUS EUGENIAE*

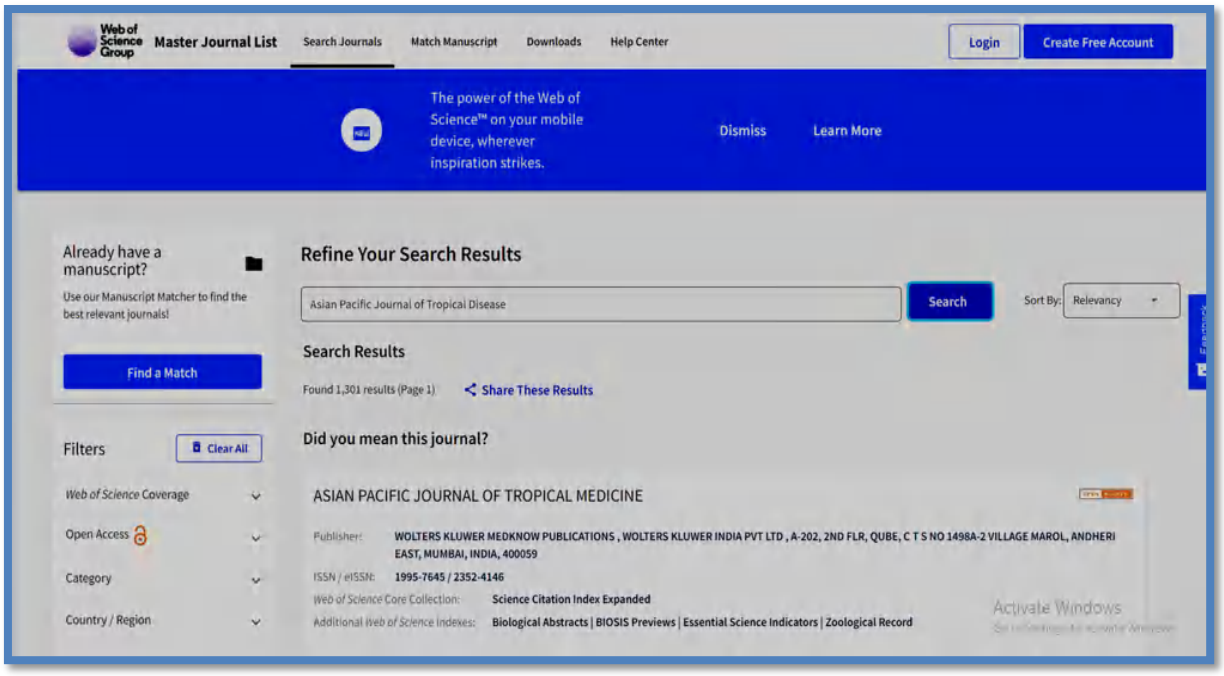
***Viji, J. And Neelanarayanan, P.**

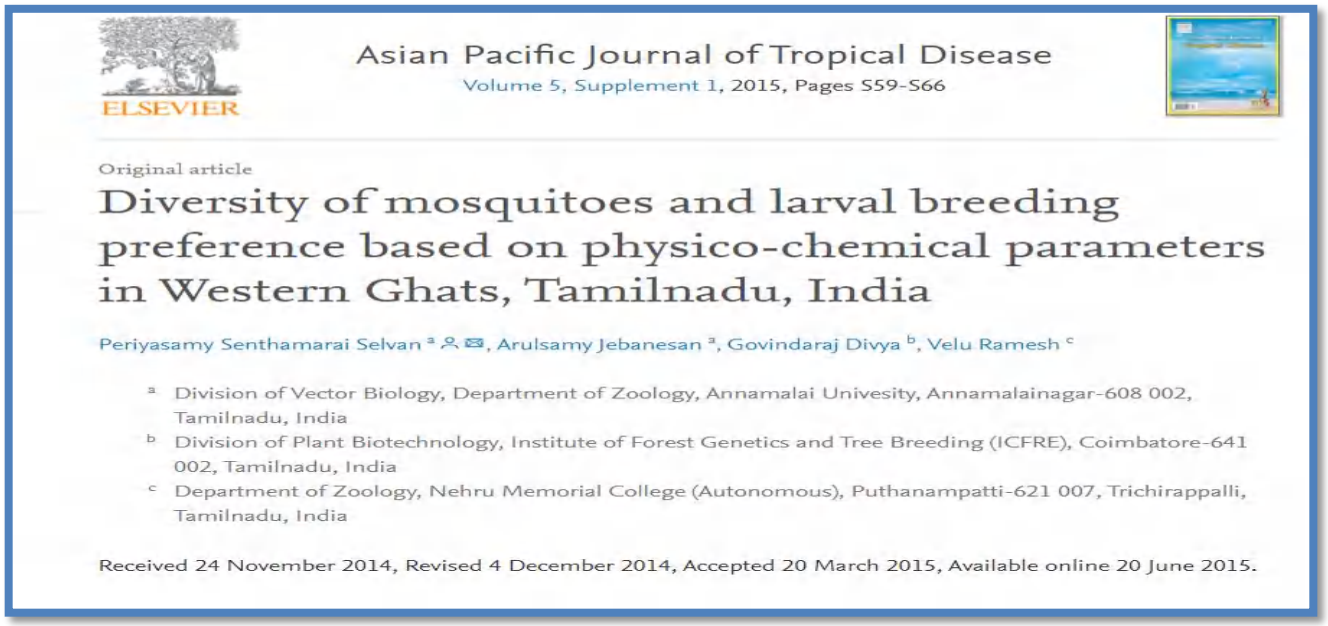
Centre For Eco-friendly Agro-Technologies (Vermibiotechnology) Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti – 621 007 Tiruchirappalli District, Tamil Nadu, India

Scopus



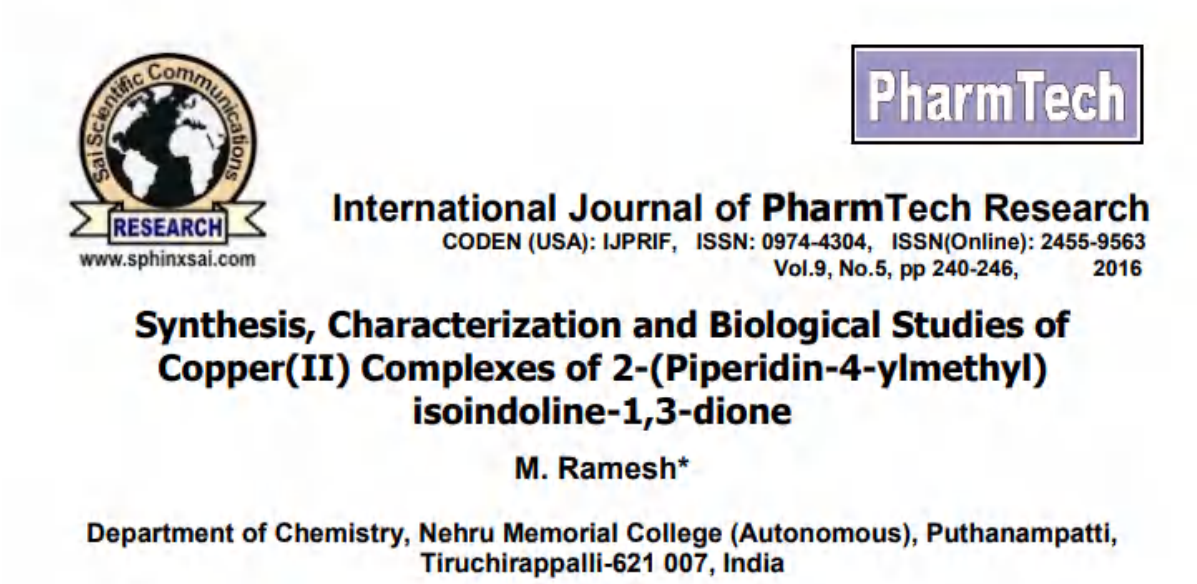
Senthamarai Selvan.P, Jebanesan.A., Divya.G and **Ramesh.V**. 2015.
Diversity of Mosquitoes and larval breeding preference based of physio – chemical parameters in western ghats, Tamilnadu, India. *Asian Pacific Journal of Tropical Medicine*. 5: s59-s66
https://doi.org/10.1016/S2222-1808(15)60858-1





Synthesis, characterization and biological studies of copper(II) complexes of 2-(Piperidin-4-ylmethyl) isoindoline-1,3-dione

ISSN: 0974-4304



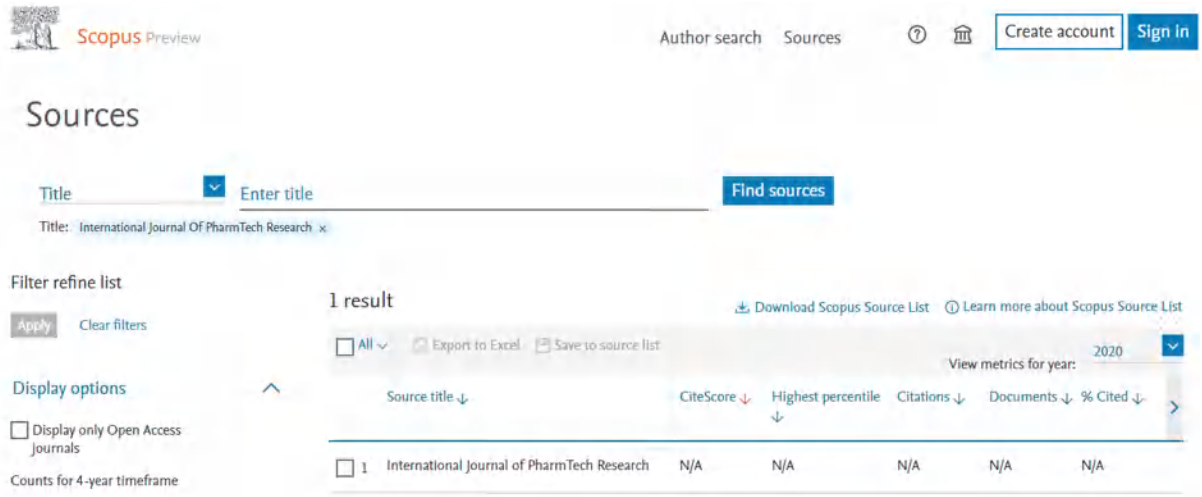
International Journal of PharmTech Research
CODEN (USA): IJPRIF, ISSN: 0974-4304, ISSN(Online): 2455-9563
Vol.9, No.5, pp 240-246, 2016

Synthesis, Characterization and Biological Studies of Copper(II) Complexes of 2-(Piperidin-4-ylmethyl) isoindoline-1,3-dione

M. Ramesh*

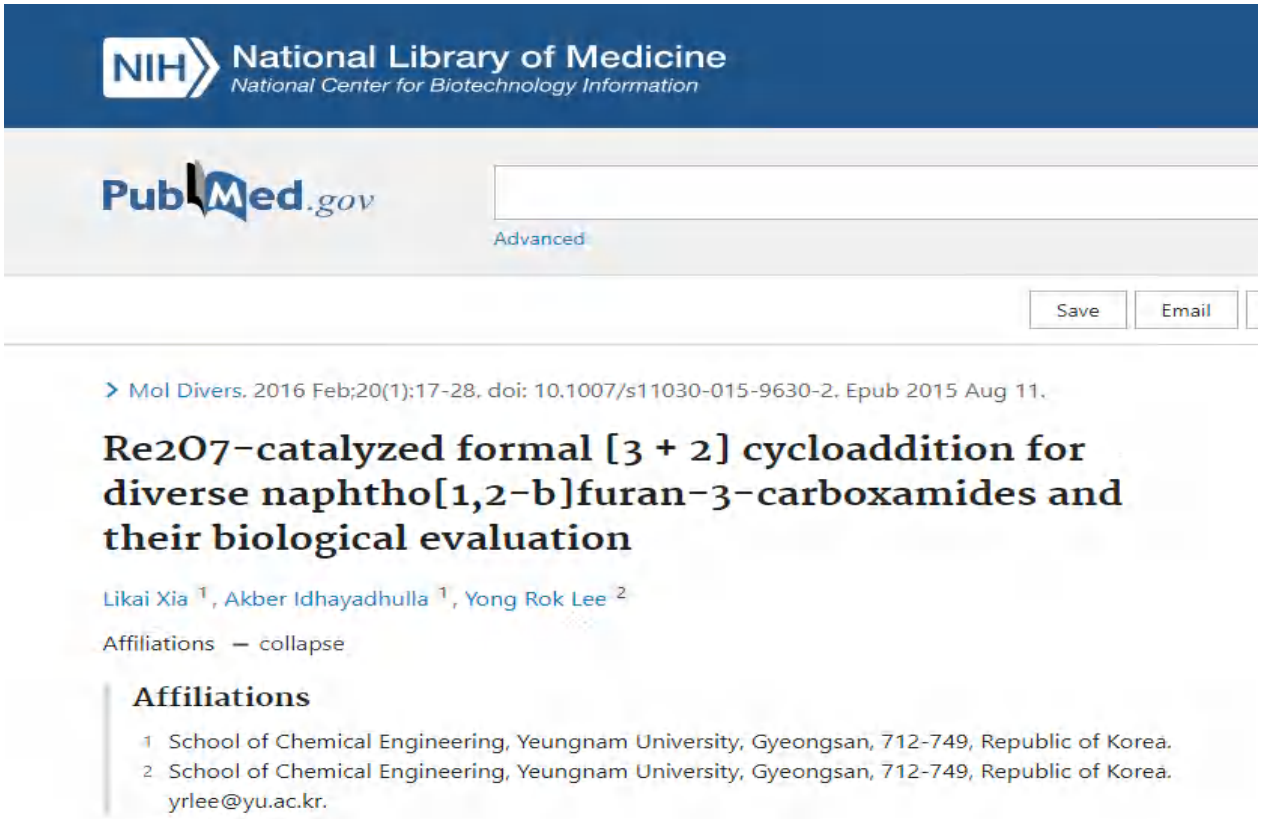
Department of Chemistry, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli-621 007, India

Scopus

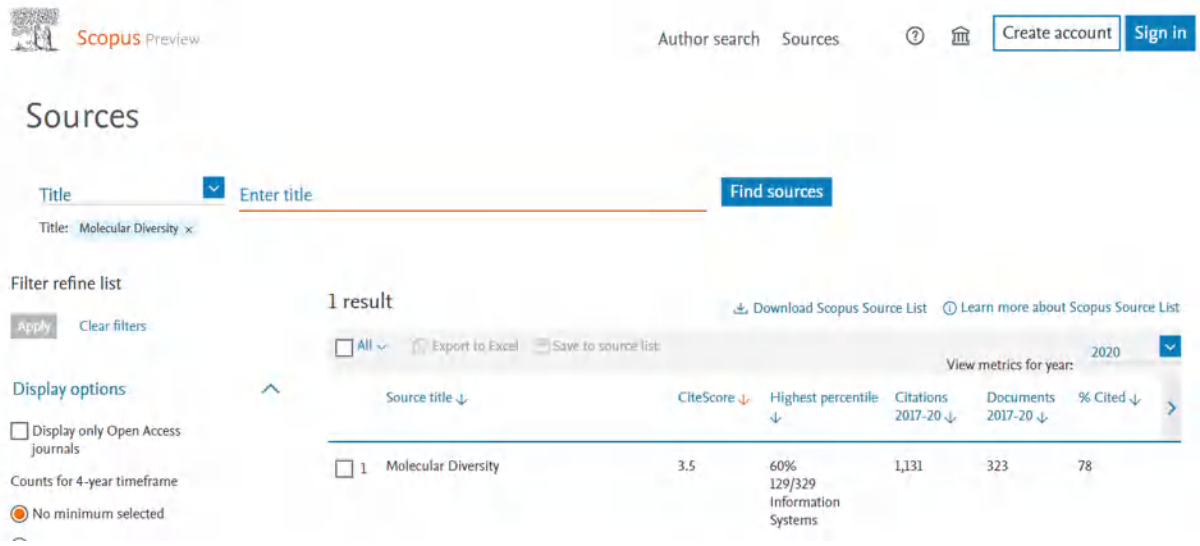


Re2O7-catalyzed formal [3+2] cycloaddition for diverse naphtho[1,2-b]furan-3-carboxamides and their biologicalevaluation

DOI: 10.1007/s11030-015-9630-2

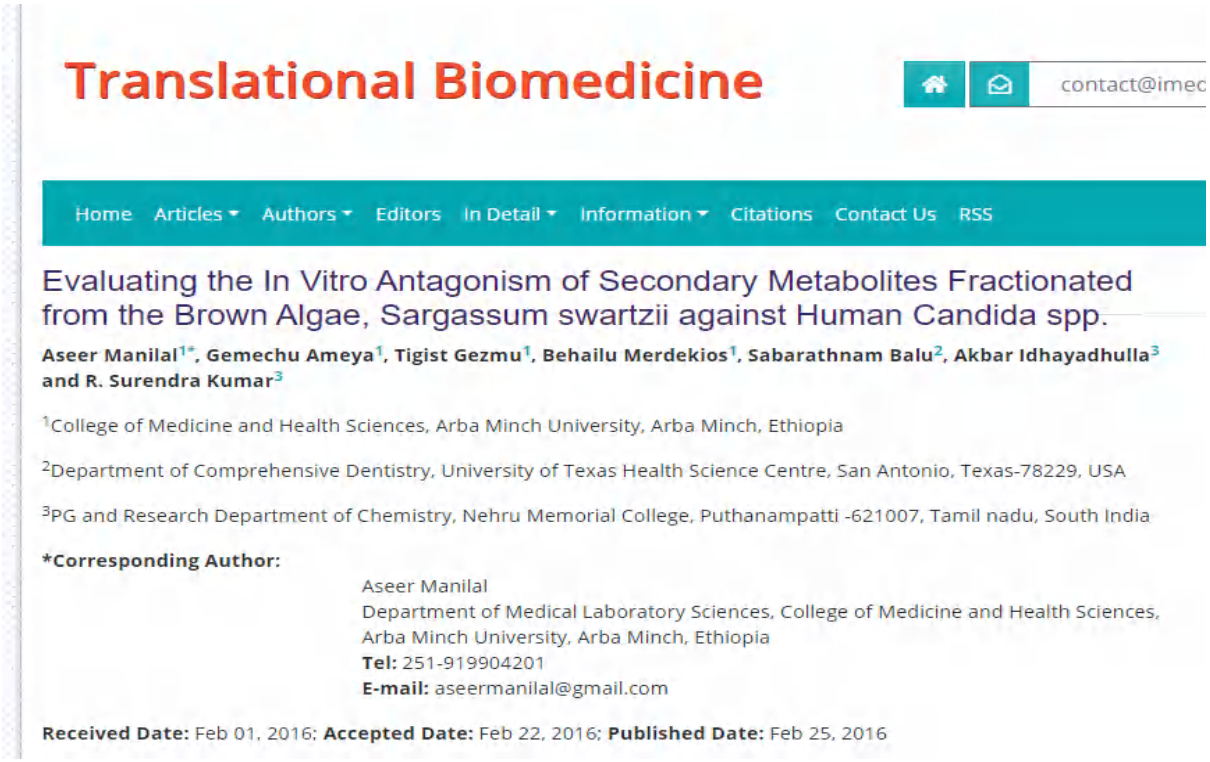


Scopus



Evaluating the In Vitro Antagonism of Secondary Metabolites Fractionated from the Brown Algae, Sargassumswartzii against Human Candida spp.

DOI: 10.21767/2172-0479.100051



Translational Biomedicine

contact@imec

Home Articles Authors Editors In Detail Information Citations Contact Us RSS

Evaluating the In Vitro Antagonism of Secondary Metabolites Fractionated from the Brown Algae, Sargassum swartzii against Human Candida spp.

Aseer Manilal[1*], Gemechu Ameya[1], Tigist Gezmu[1], Behailu Merdekios[1], Sabarathnam Balu[2], Akbar Idhayadhulla[3] and R. Surendra Kumar[3]

[1]College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia

[2]Department of Comprehensive Dentistry, University of Texas Health Science Centre, San Antonio, Texas-78229, USA

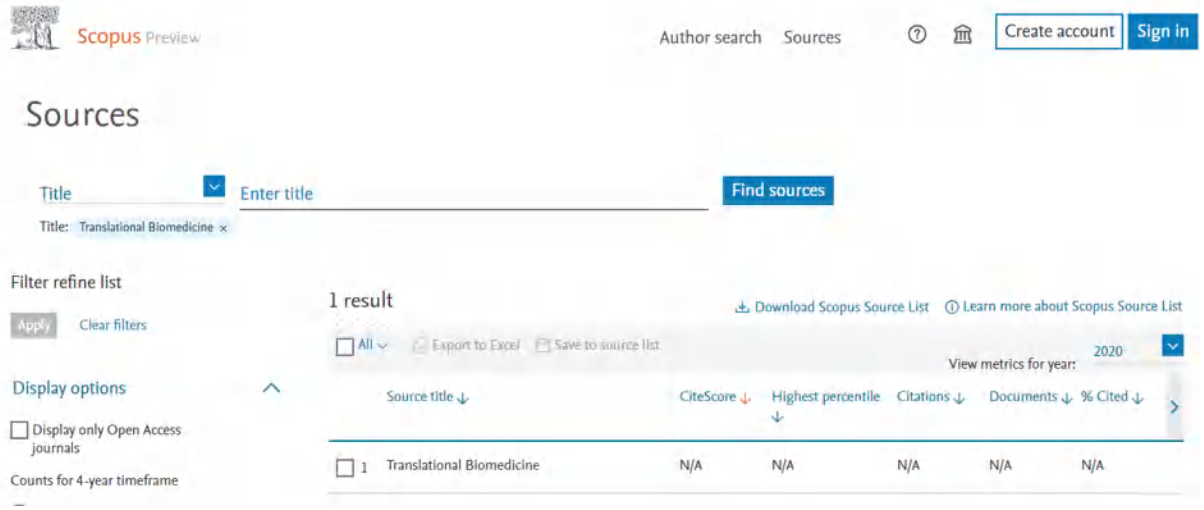
[3]PG and Research Department of Chemistry, Nehru Memorial College, Puthanampatti -621007, Tamil nadu, South India

***Corresponding Author:**

Aseer Manilal
Department of Medical Laboratory Sciences, College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia
Tel: 251-919904201
E-mail: aseermanilal@gmail.com

Received Date: Feb 01, 2016; **Accepted Date:** Feb 22, 2016; **Published Date:** Feb 25, 2016

Scopus



Scopus Preview

Author search Sources

Create account Sign in

Sources

Title Enter title Find sources

Title: Translational Biomedicine ×

Filter refine list

Apply Clear filters

Display options

Display only Open Access journals

Counts for 4-year timeframe

1 result

Download Scopus Source List Learn more about Scopus Source List

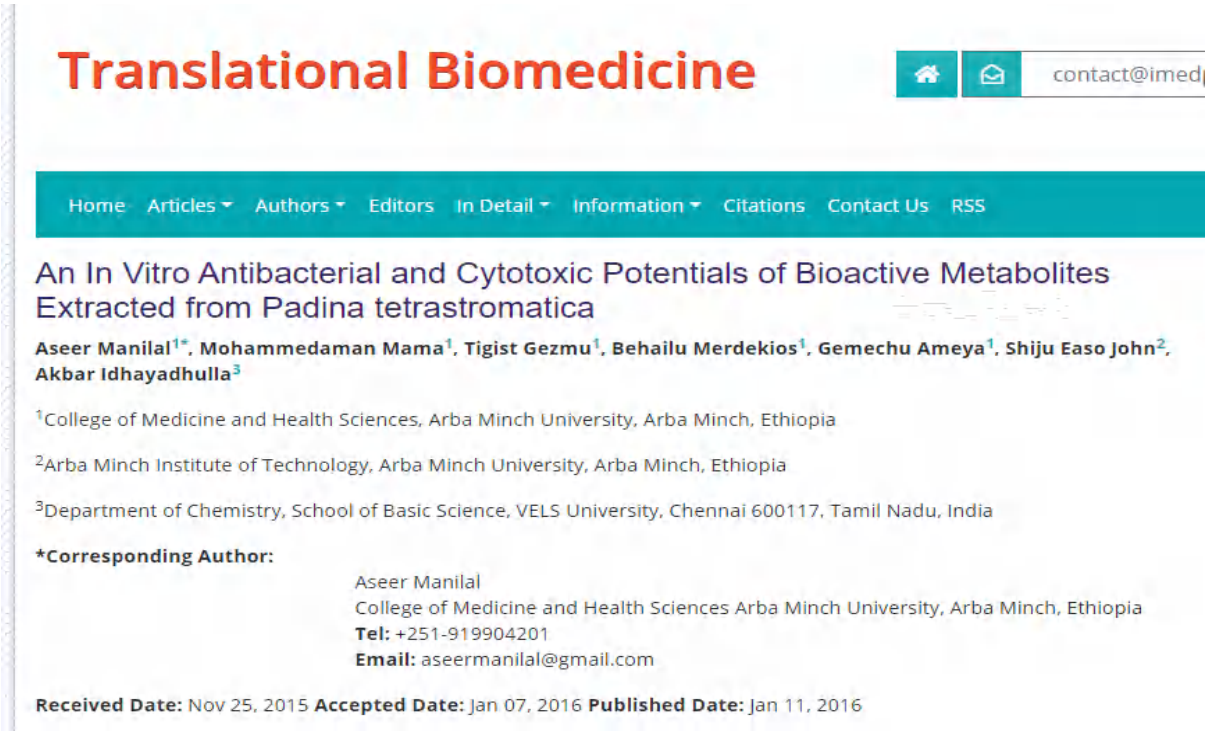
All Export to Excel Save to source list

View metrics for year: 2020

Source title	CiteScore	Highest percentile	Citations	Documents	% Cited
1 Translational Biomedicine	N/A	N/A	N/A	N/A	N/A

An In Vitro Antibacterial and Cytotoxic Potentials of Bioactive Metabolites Extracted from Padinatetrastromatica

DOI: 10.21767/2172-0479.100040



Translational Biomedicine

contact@imed

Home Articles Authors Editors In Detail Information Citations Contact Us RSS

An In Vitro Antibacterial and Cytotoxic Potentials of Bioactive Metabolites Extracted from Padina tetrastromatica

Aseer Manilal[1*], Mohammedaman Mama[1], Tigist Gezmu[1], Behailu Merdekios[1], Gemechu Ameya[1], Shiju Easo John[2], Akbar Idhayadhulla[3]

[1]College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia

[2]Arba Minch Institute of Technology, Arba Minch University, Arba Minch, Ethiopia

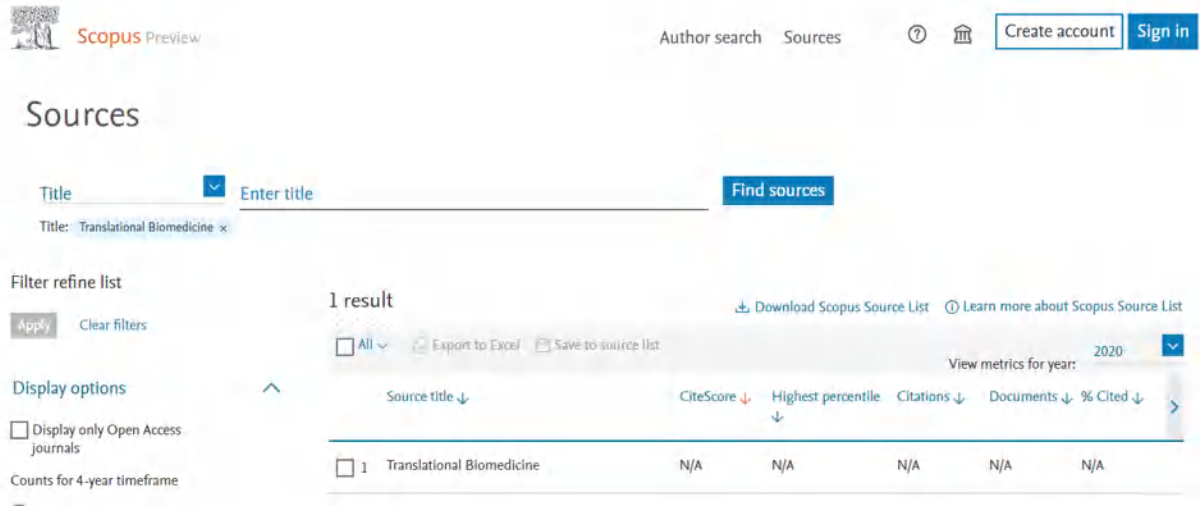
[3]Department of Chemistry, School of Basic Science, VELS University, Chennai 600117, Tamil Nadu, India

***Corresponding Author:**

Aseer Manilal
College of Medicine and Health Sciences Arba Minch University, Arba Minch, Ethiopia
Tel: +251-919904201
Email: aseermanilal@gmail.com

Received Date: Nov 25, 2015 **Accepted Date:** Jan 07, 2016 **Published Date:** Jan 11, 2016

Scopus



Scopus Preview

Author search Sources

Create account Sign in

Sources

Title Enter title Find sources

Title: Translational Biomedicine

Filter refine list

Apply Clear filters

Display options

Display only Open Access journals

Counts for 4-year timeframe

1 result

Download Scopus Source List Learn more about Scopus Source List

All Export to Excel Save to source list

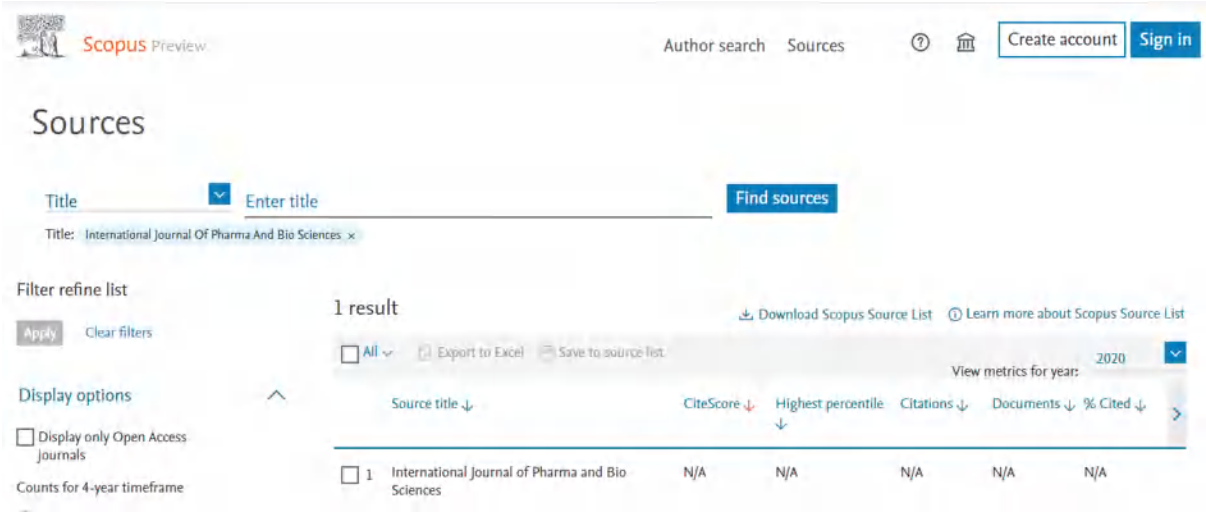
View metrics for year: 2020

Source title	CiteScore	Highest percentile	Citations	Documents	% Cited
1 Translational Biomedicine	N/A	N/A	N/A	N/A	N/A

Microbiological investigation on Vetiveria lawsonii

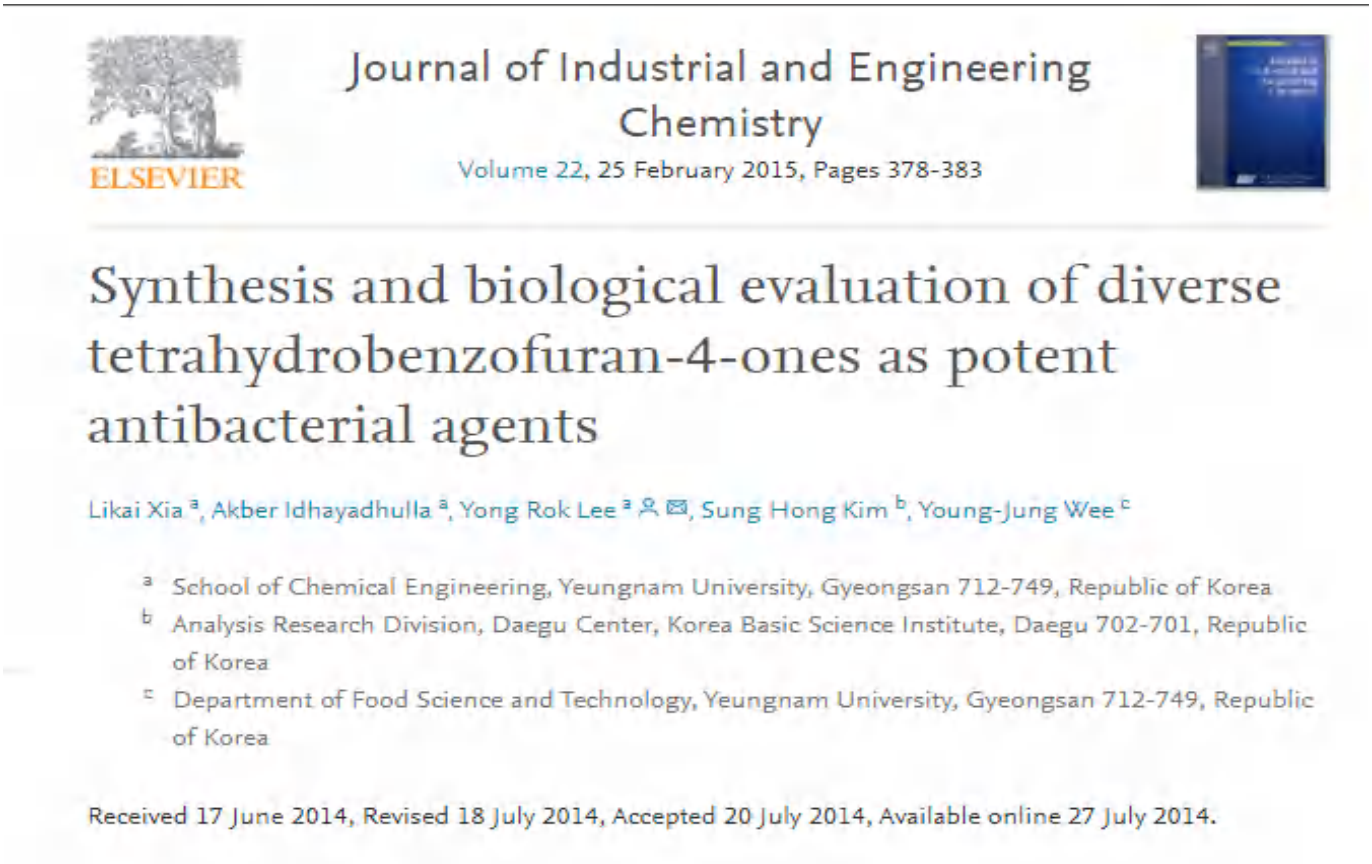
ISSN 0975-6299

Scopus



Synthesis and Biological Evaluation of Diverse Tetrahydrobenzofuran-4-ones as Potent Antibacterial Agents

doi.org/10.1016/j.jiec.2014.07.035



ELSEVIER

Journal of Industrial and Engineering Chemistry

Volume 22, 25 February 2015, Pages 378-383

Synthesis and biological evaluation of diverse tetrahydrobenzofuran-4-ones as potent antibacterial agents

Likai Xia [a], Akber Idhayadhulla [a], Yong Rok Lee [a] ✉, Sung Hong Kim [b], Young-Jung Wee [c]

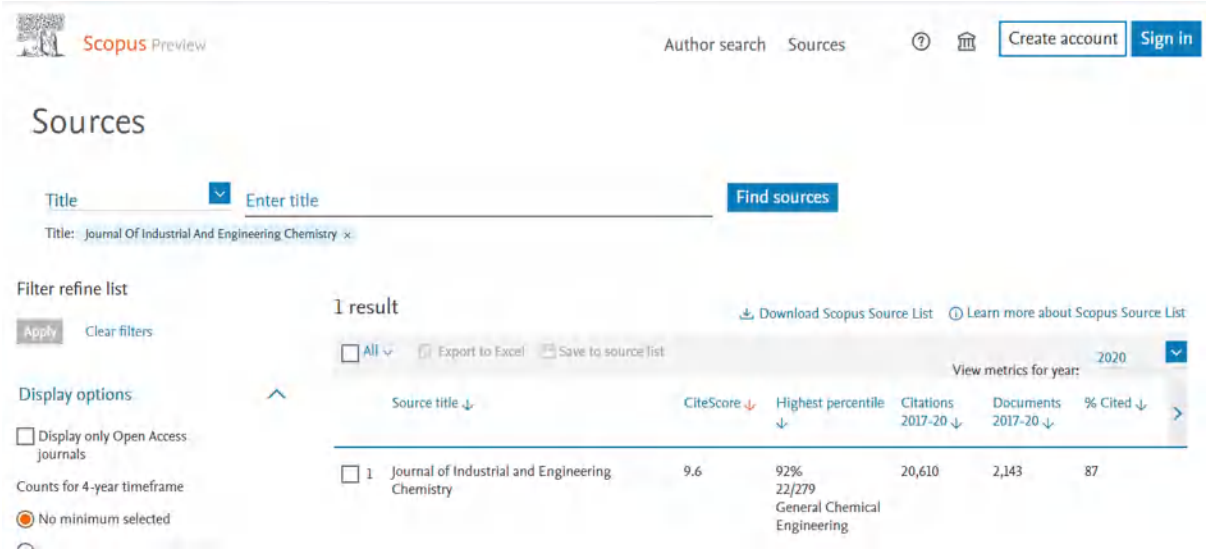
[a] School of Chemical Engineering, Yeungnam University, Gyeongsan 712-749, Republic of Korea

[b] Analysis Research Division, Daegu Center, Korea Basic Science Institute, Daegu 702-701, Republic of Korea

[c] Department of Food Science and Technology, Yeungnam University, Gyeongsan 712-749, Republic of Korea

Received 17 June 2014, Revised 18 July 2014, Accepted 20 July 2014, Available online 27 July 2014.

Scopus



Nematicidal, Larvicidal and Antimicrobial activity of some new Mannich base imidazole derivatives

DOI: 10.4314/tjpr.v14i8.16

Tropical Journal of Pharmaceutical Research August 2015; 14 (8): 1435-1443
ISSN: 1596-5996 (print); 1596-9827 (electronic)

Available online at http://www.tjpr.org
http://dx.doi.org/10.4314/tjpr.v14i8.16

Original Research Article

Nematicidal, Larvicidal and Antimicrobial Activities of Some New Mannich Base Imidazole Derivatives

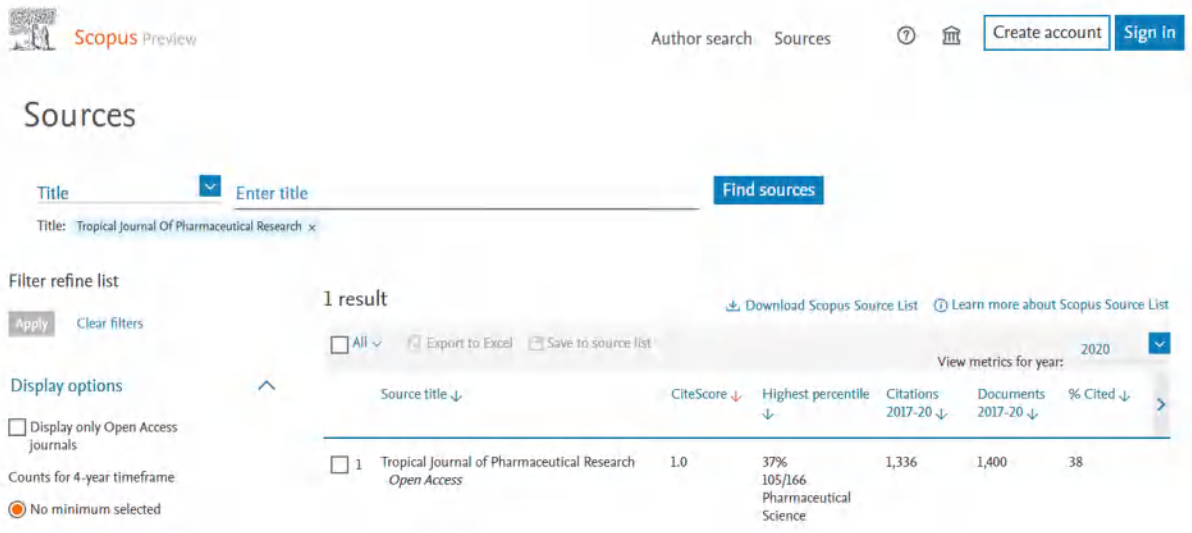
Xiangxiong Chen[1]*, Seung Woo Lee[1], Akbar Idhayadhulla[2], Radhakrishnan Surendra Kumar[3] and Aseer Manilal[4]

[1]School of Chemical Engineering, Yeungnam University, Gyeongsan, South Korea, [2]Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology & Advanced Studies - VELS University, Chennai-600117, Tamil Nadu, India; [3]Department of Chemistry, Shivani Engineering College, (Affiliated to Anna University), Tiruchirappalli, Tamil Nadu, India; [4]Department of Medical Laboratory Sciences, College of Medicine and Health sciences, Arba Minch University, Arba Minch, Ethiopia

*For correspondence: **Email:** c.xiangxiong@yahoo.com*

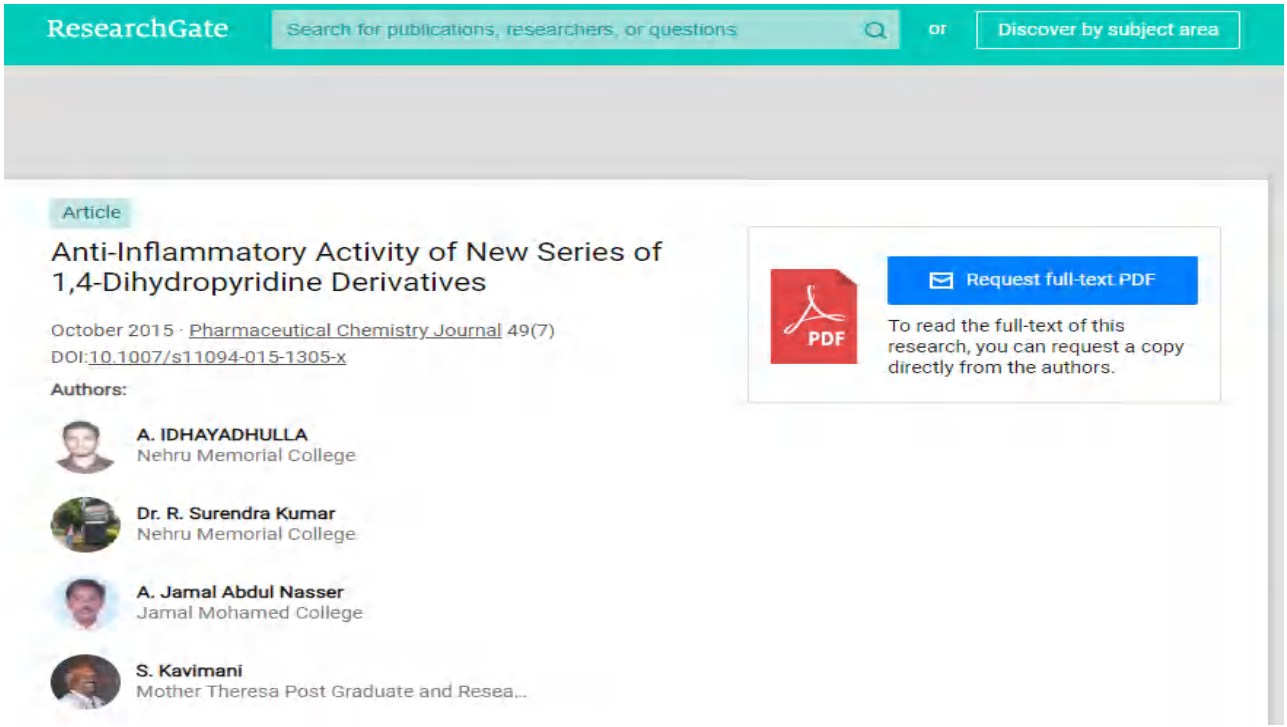
Received: 5 January 2015 *Revised accepted: 30 June 2015*

Scopus

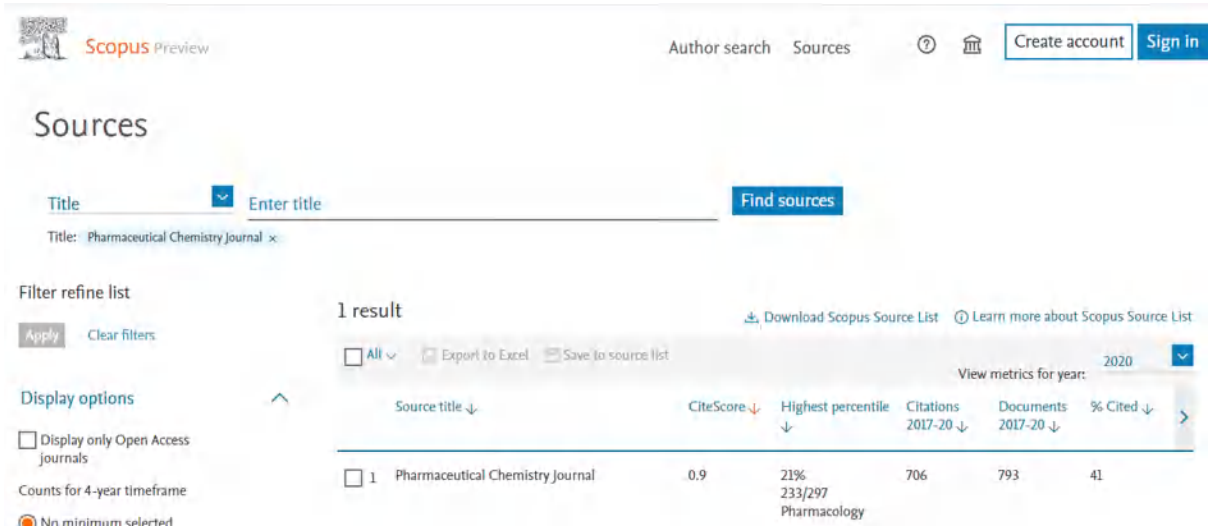


Anti-inflammatory activity of novel 1,4-dihydropyridine derivative

DOI:10.1007/s11094-015-1305-x



Scopus



An in vitro antibacterial and anticandidal activity of Sonneratia alba (J. Smith)

THALASSAS

Thalassas, 31(2) : July 2015: 67-73
An International Journal of Marine Sciences

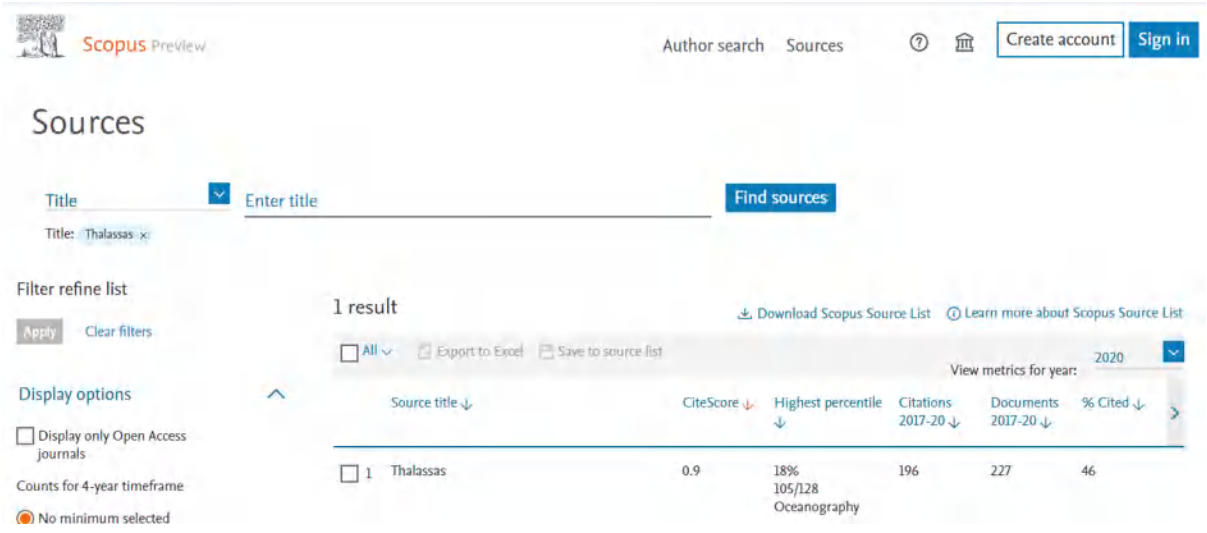
AN *in vitro* ANTIBACTERIAL AND ANTICANDIDAL ACTIVITY OF *Sonneratia alba* (J. SMITH)

ASEER MANILAL[1*], BEHAILU MERDEKIOS[1], TIGIST GEZMU[1] & AKBAR IDHAYADHULLA[2]

(1) College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia.
(2) School of Chemical Engineering, Yeungnam University, Gyeongsan 712-749, South Korea.

*Aseer Manilal (corresponding author)
College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia.
Tel: +251-919904201, Email: aseermanilal@gmail.com

Scopus



Environmental biotoxicity screening of some pyrrole and 1,4-dihydropyridine heterocyclic derivatives

DOI10.7324/japs.2015.50519

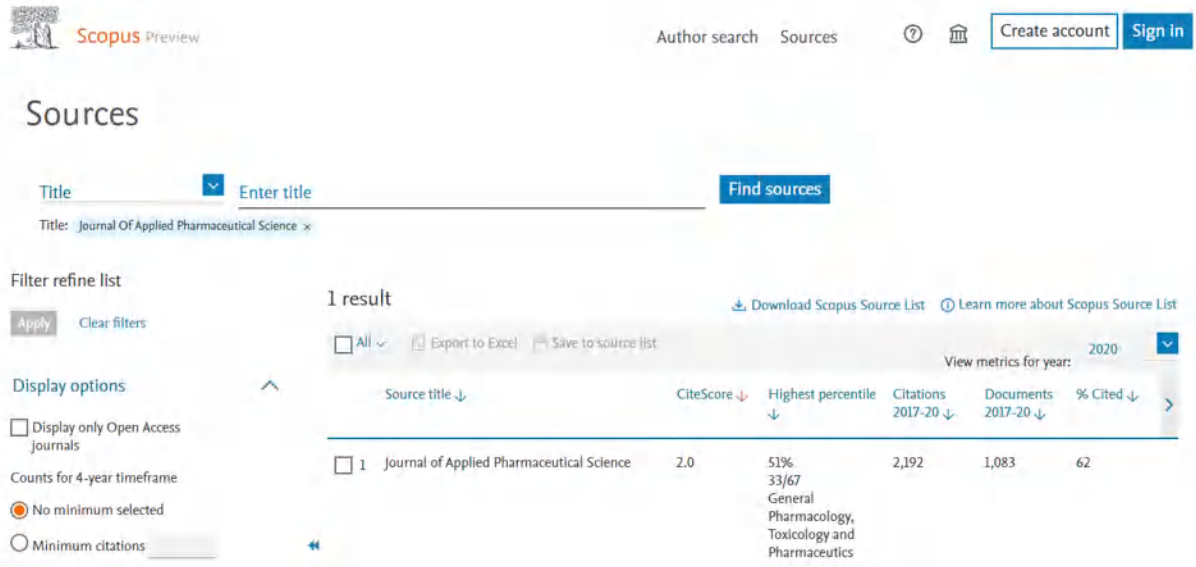
Journal of Applied Pharmaceutical Science Vol. 5 (05), pp. 101-105, May, 2015
Available online at http://www.japsonline.com
DOI: 10.7324/JAPS.2015.50519
ISSN 2231-3354

Environmental biotoxicity screening of some pyrrole and 1,4-dihydropyridine heterocyclic derivatives

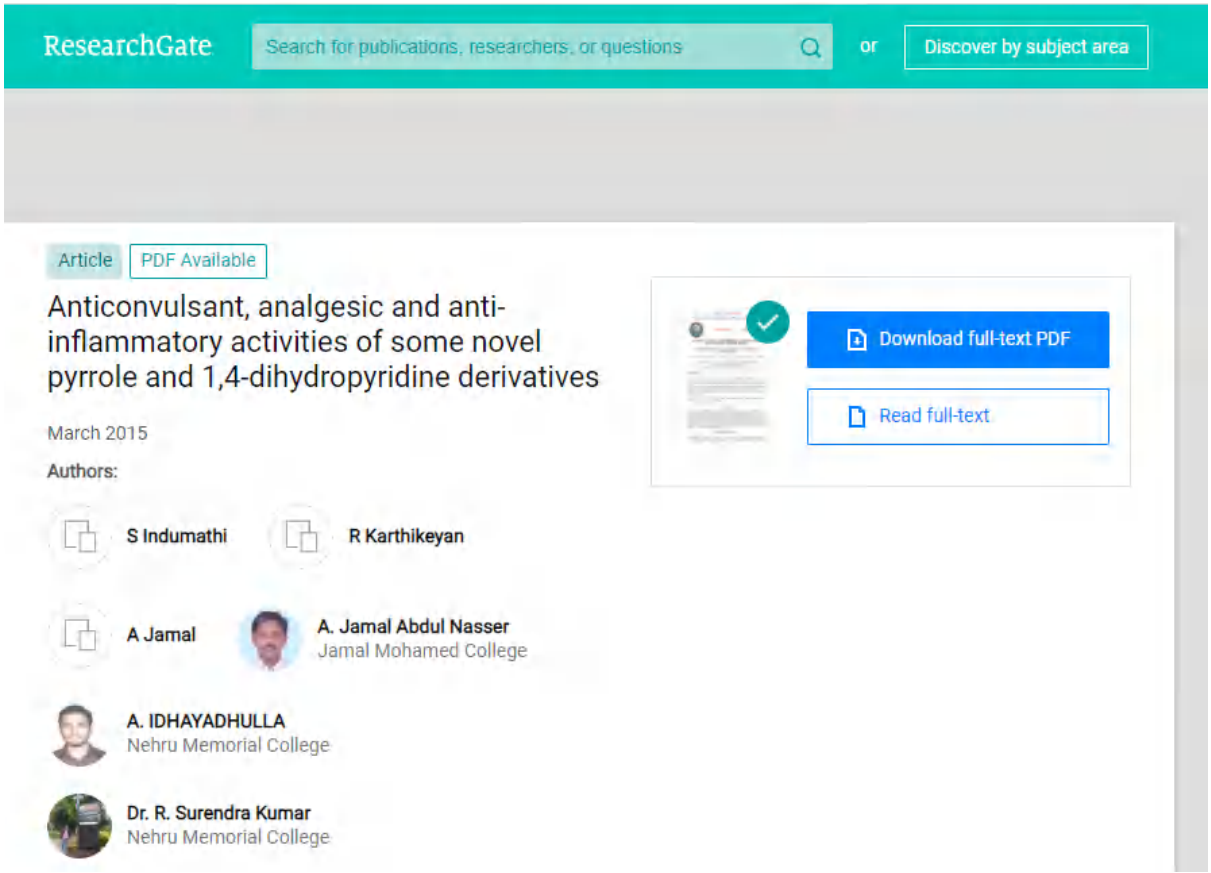
A. Idhayadhulla[1], Aseer Manilal[2], Behailu Merdekios[2] and R. Surendra Kumar[3*]

[1]Department of Chemistry, Sri Vinayaga College of Arts and Science, (Affiliated to Thiruvalluvar University), Ulundurpet – 606 107, Villupuram(Dt), Tamil Nadu, India. [2]Department of Medical Laboratory Sciences, College of Medicine and Health sciences, Arba Minch University, Arba Minch, Ethiopia. [3]Department of chemistry, Shivani Engineering College, Trichy, Tamil Nadu, India.

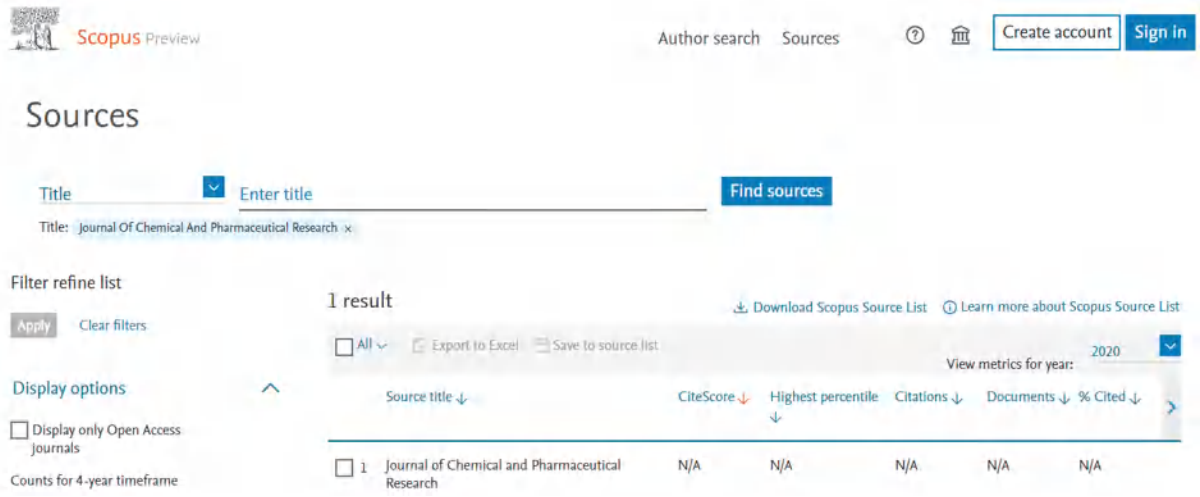
Scopus



Anticonvulsant, analgesic and anti-inflammatory activities of some novel pyrrole and 1,4-Dihydropyridinederivatives

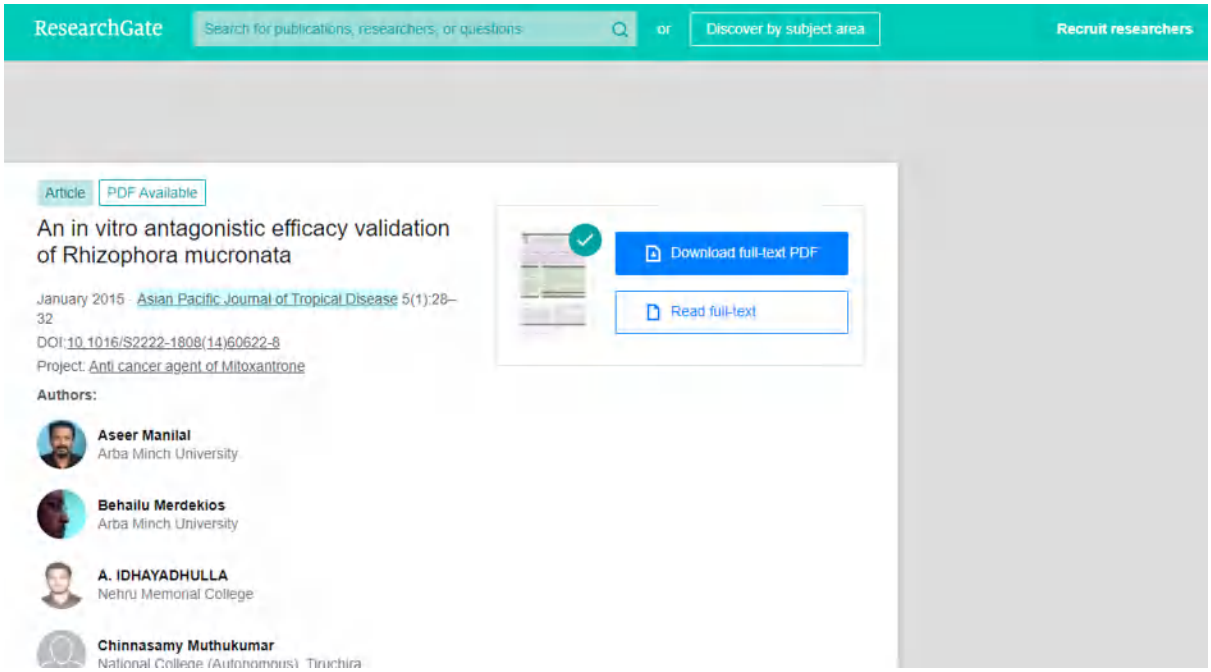


Scopus

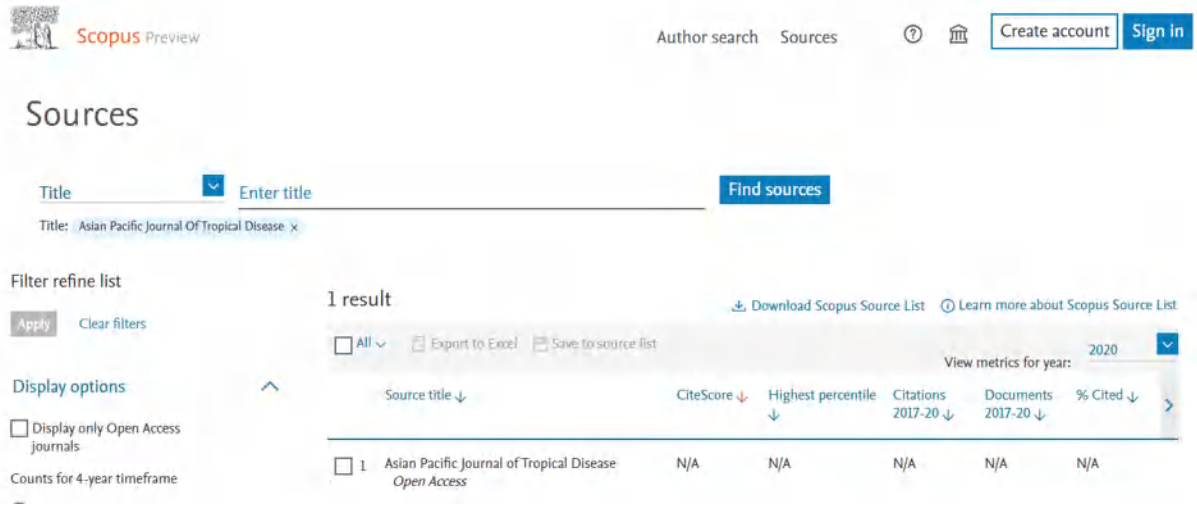


An in vitro antagonistic efficacy validation of Rhizophoramucronata

DOI:10.1016/S2222-1808(14)60622-8



Scopus



Synthesis of novel three compound imidazole derivatives via Cu(II) catalysis and their larvicidal and antimicrobial activities

doi.org/10.1007/s00706-016-1746-2

Monatsh Chem
DOI 10.1007/s00706-016-1746-2

CrossMark

ORIGINAL PAPER

Synthesis of novel three compound imidazole derivatives via Cu(II) catalysis and their larvicidal and antimicrobial activities

Abdullah Alaklab[1] · Radhakrishnan Surendra Kumar[2] · Anis Ahamed[3] · Ibrahim A. Arif[3] · Aseer Manilal[4] · Akbar Idhayadhulla[2,5]

Authors Affiliation

✉ Akbar Idhayadhulla
a.idhayadhulla@gmail.com;
idhayadhulla@nmc.ac.in

[1] Department of Biology, College of Science and Arts, Albaha University, Baljurashi, Saudi Arabia

[2] P.G. and Research Department of Chemistry, Nehru Memorial College, Puthanampatti, Tiruchirappalli 621007, Tamil Nadu, India

[3] Prince Sultan Research Chair for Environment and Wildlife, Department of Botany and Microbiology, College of Sciences, King Saud University (KSU), Riyadh, Saudi Arabia

[4] Department of Medical Laboratory Sciences, College of Medicine and Human Health, Arba Minch University, Arba Minch, Ethiopia

[5] Department of Chemistry, School of Basic Sciences, VELS University, Chennai 600117, Tamil Nadu, India

Keywords Imidazole · Catalysis · Mannich bases · Bioorganic chemistry · Antimicrobial activity · Larvicidal activity

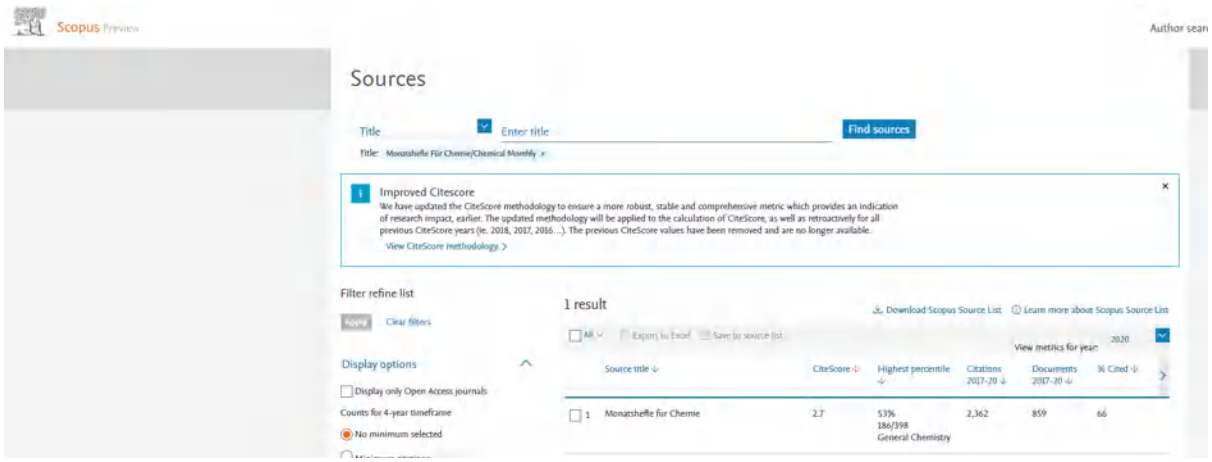
Introduction

Culex is a main genus of mosquito as a vector for several serious diseases, such as filariasis, west nile virus, dengue fever, yellow fever, chikungunya, and other encephalitides. About 3.3 billion people of the world's population are at risk of malaria [1]. More than 1.3 billion people in 72 countries worldwide are threatened by lymphatic filariasis,

Published online: 20 April 2016

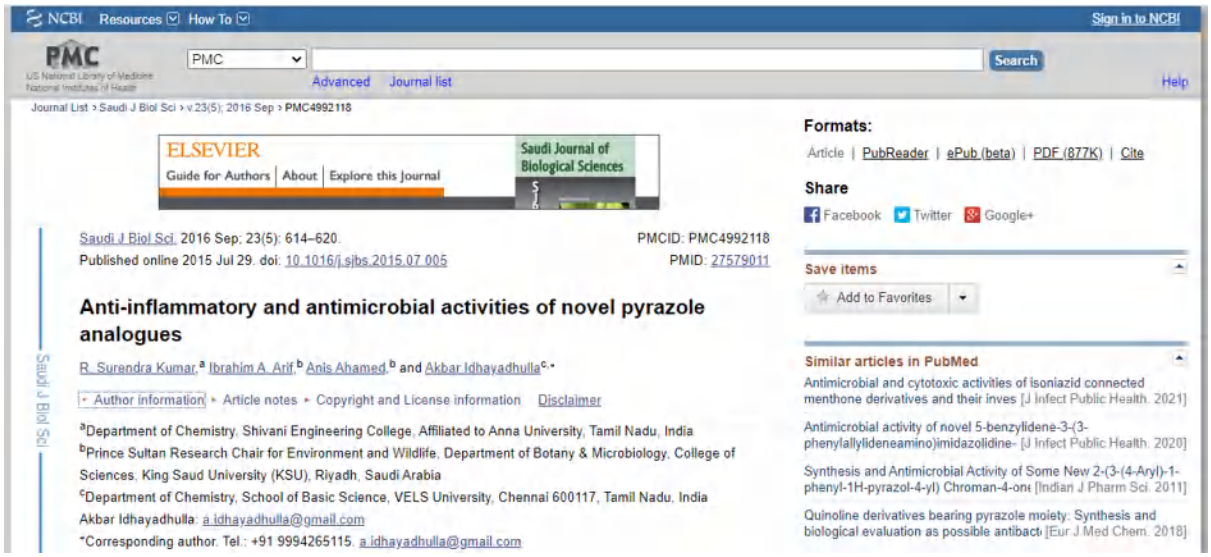
Springer

Scopus

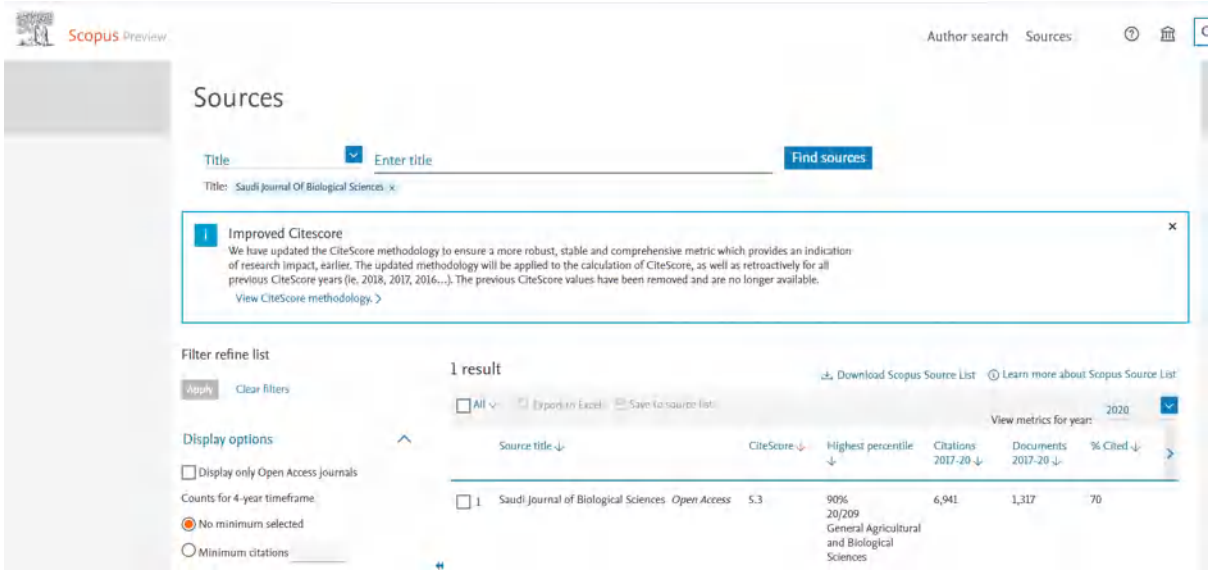


Anti-inflammatory and antimicrobial activities of novel pyrazole analogues

doi.org/10.1016/j.sjbs.2015.07.005



Scopus



ModBlockExpoA-Enhancement on Speed and Security using Modularization in Public key Cryptography

ISSN :0973-4562

Scopus

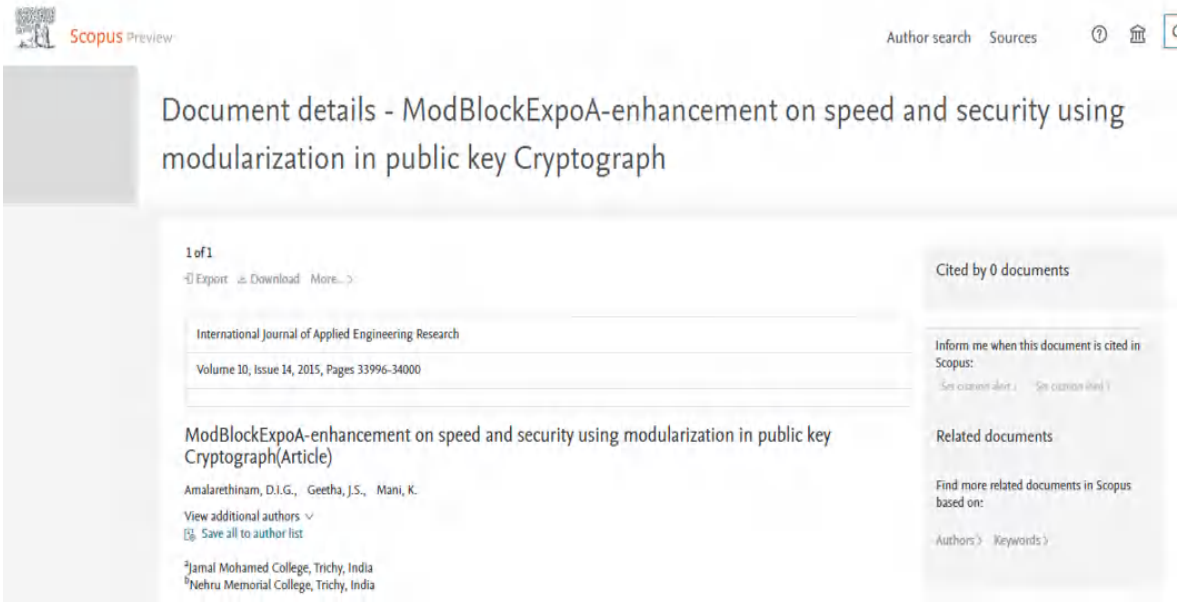
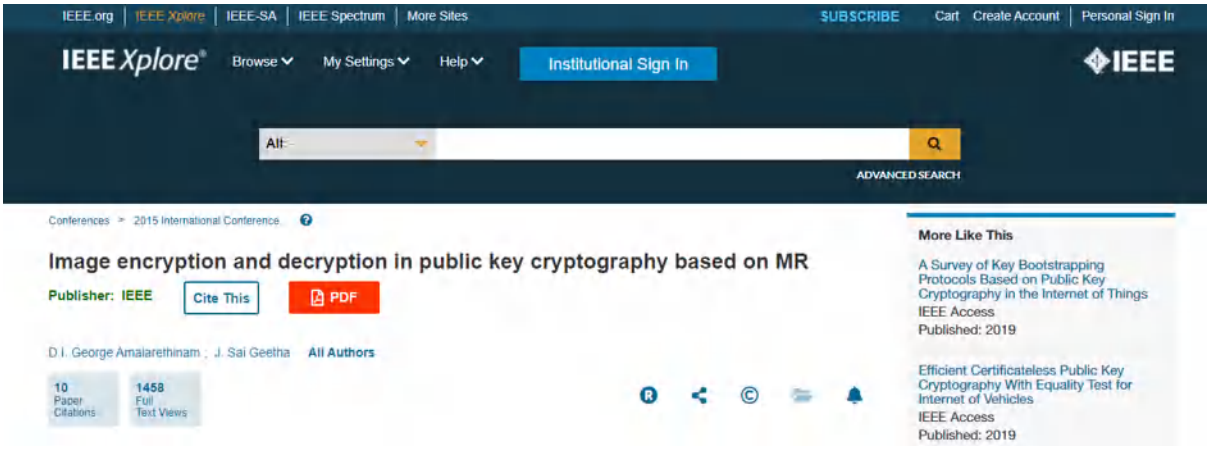


Image encryption and decryption in public key cryptography based on MR

DOI: 10.1109/ICCCT2.2015.7292733



Authors

D.I. George Amalarethinam
Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, IN

J. Sai Geetha
Nehru Memorial College, Sullia, Karnataka, IN

Scopus

Analysis and enhancement of speed in public key cryptography using Message Encoding Algorithm

DOI: 10.17485/ijst/2015/v8i16/69809

Indian Journal of Science and Technology

DOI: 10.17485/ijst/2015/v8i16/69809

Year: 2015, **Volume**: 8, **Issue**: 16, **Pages**: 1-7

Original Article

Analysis and Enhancement of Speed in Public Key Cryptography using Message Encoding Algorithm

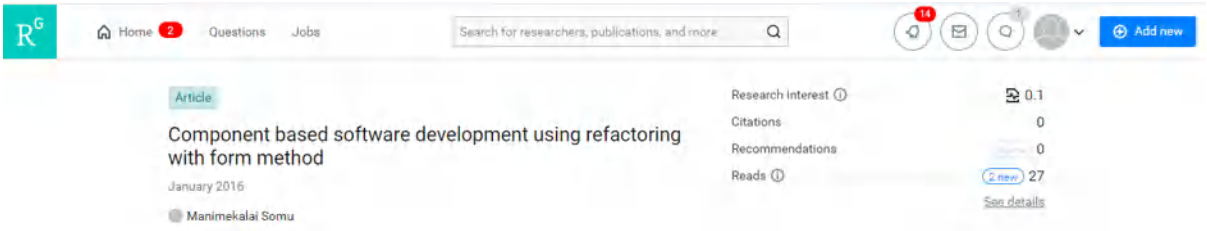
D. I. George Amalarethinam[1*], J. Sai Geetha[2] and K. Mani[2]

[1] Department of MCA, Jamal Mohamed College, Trichy, Tamilnadu, India; di_george@ymail.com

[2] Department of Computer Science, Nehru Memorial College, Trichy, Tamilnadu, India; jsaigeetha99@gmail.com

Scopus

Component Based Software Development using Refactoring with FORM Method



Scopus

A Ranking And Selection Approach For Volatility In Financial Market

1R.Seethalakshmi, 2V.Saavithri & 3C.Vijayabanu 1&3SASTRA University, Thanjavur, Tamilnadu 2Nehru Memorial College, Thiruchirappalli, Tamilnadu

ISSN 0973-1768 Volume 11,

Global Journal of Pure and Applied Mathematics.
ISSN 0973-1768 Volume 11, Number 5 (2015), pp. 3109-3119

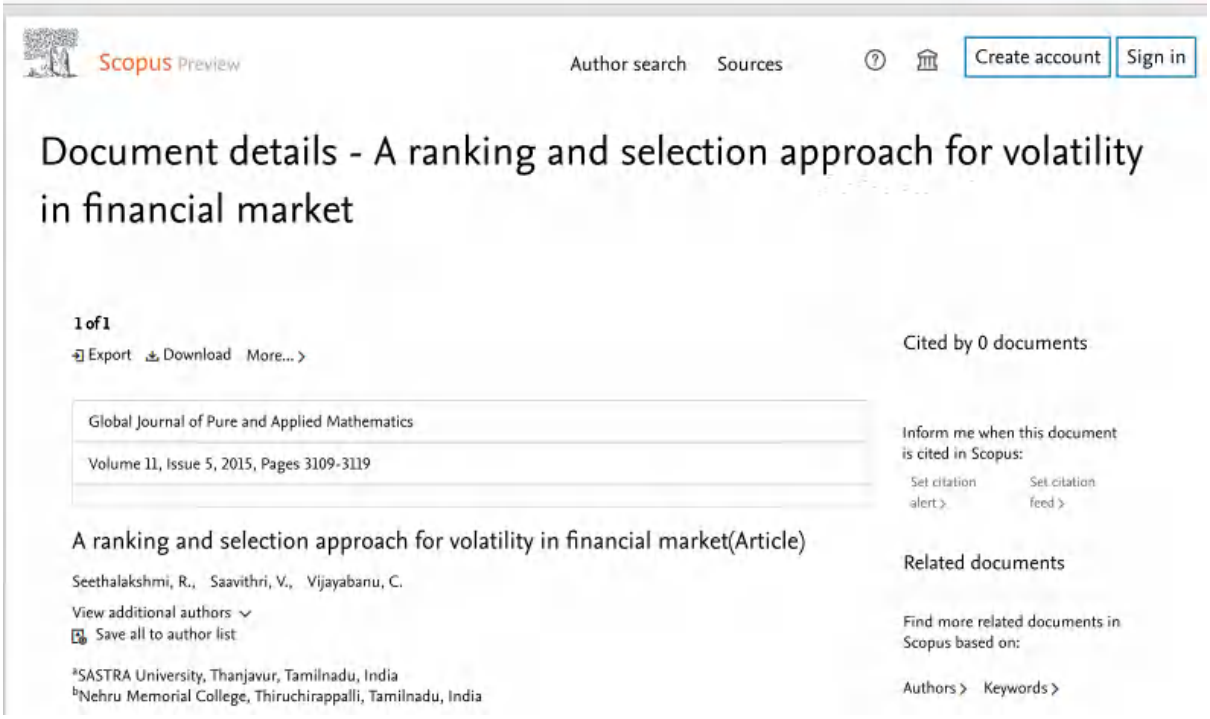
http://www.ripublication.com

A Ranking And Selection Approach For Volatility In Financial Market

[1]R.Seethalakshmi, [2]V.Saavithri & [3]C.Vijayabanu

[1&3]SASTRA University, Thanjavur, Tamilnadu
[2]Nehru Memorial College, Thiruchirappalli, Tamilnadu

Scopus



Parameter Estimation of Lehmann Type I Exponential Mixture Distribution

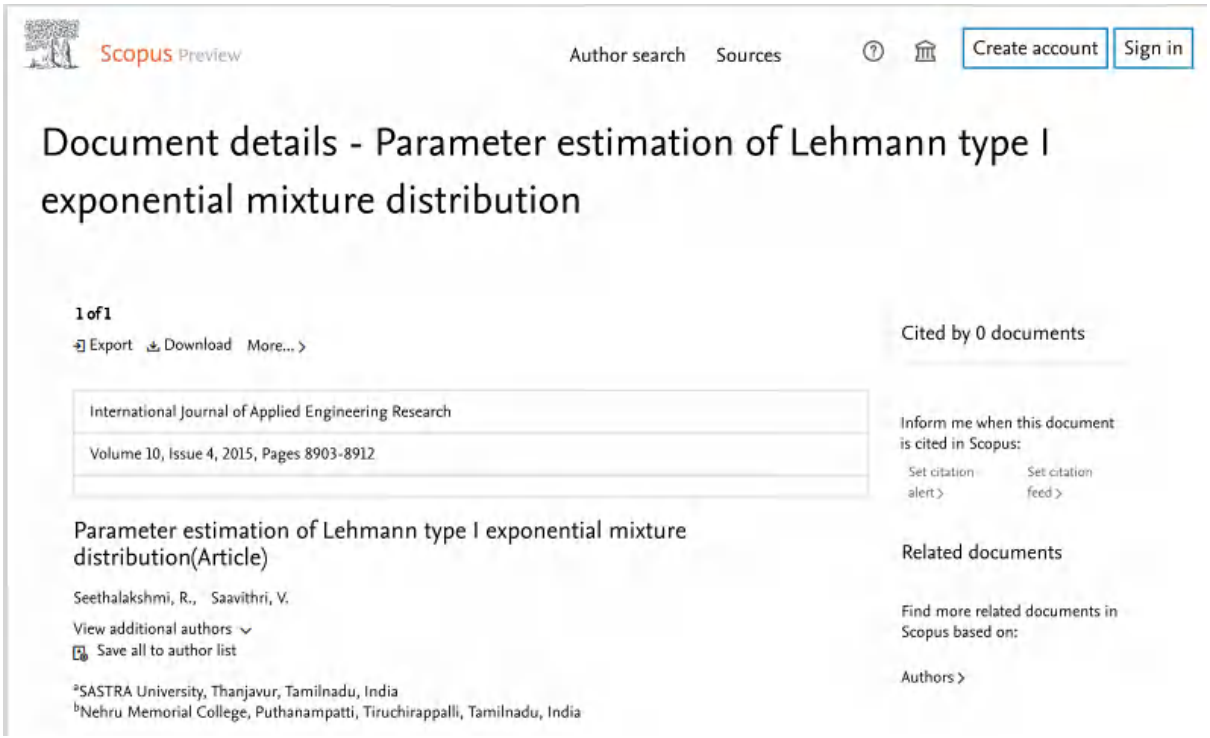
International Journal of Applied Engineering Research
ISSN 0973-4562 Volume 10, Number 4 (2015) pp. 8903-8912

http://www.ripublication.com

Parameter Estimation of Lehmann Type I Exponential Mixture Distribution

R.Seethalakshmi
SASTRA University, Thanjavur, Tamilnadu, India
V. Saavithri
Nehru Memorial College, Puthanampatti, Tiruchirappalli, Tamilnadu, India

Scopus



Estimation of Parameters for Order Statistics of Lehmann-Type Laplace Distribution Type I and Type II

Global Journal of Pure and Applied Mathematics.
ISSN 0973-1768 Volume 11, Number 6 (2015), pp. 4247-4254

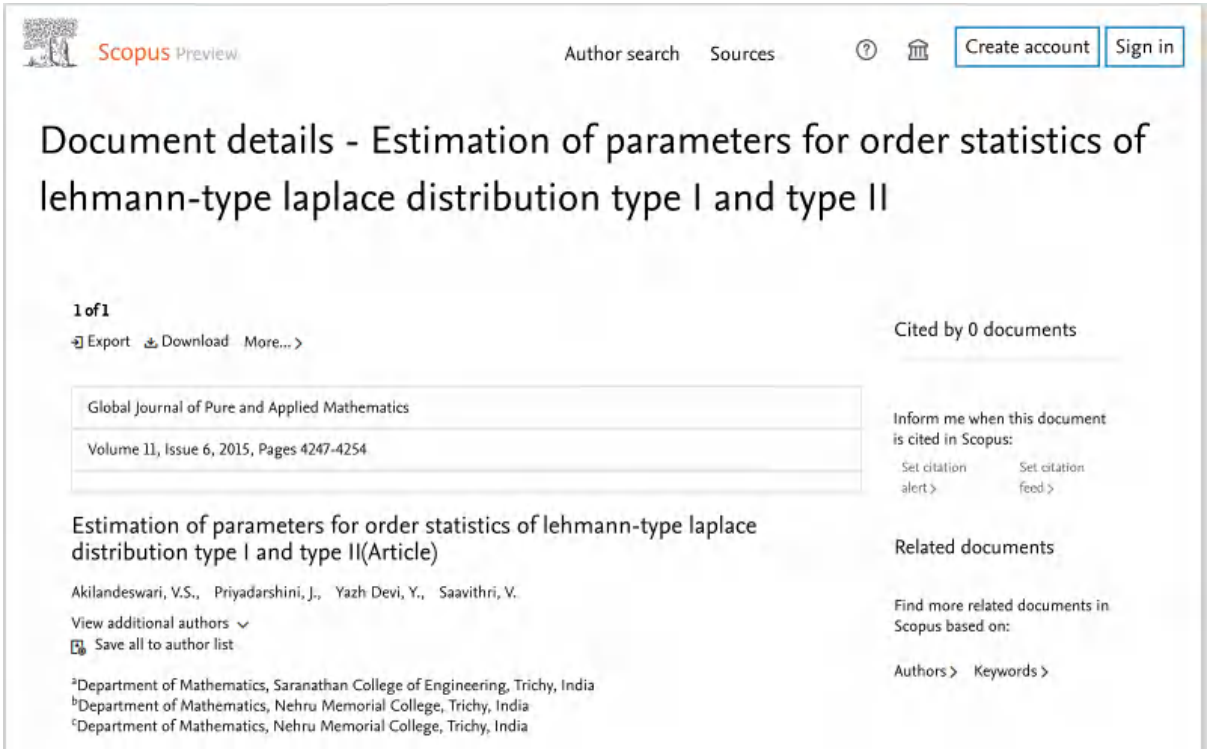
http://www.ripublication.com

Estimation of Parameters for Order Statistics of Lehmann-Type Laplace Distribution Type I and Type II

V.S.Akilandeswari[1], J.Priyadarshini[2], Y.Yazh devi[3] and V.Saavithri[4]

1.Assistant Professor, Department of Mathematics,
Saranathan College of Engineering, Trichy
2, 3. Research Scholars, Department of Mathematics, Nehru Memorial College, Trichy
4. Assistant Professor, Department of Mathematics, Nehru Memorial College, Trichy

Scopus



Lehmann-Type Laplace Distribution-Type II Software Reliability Growth Model

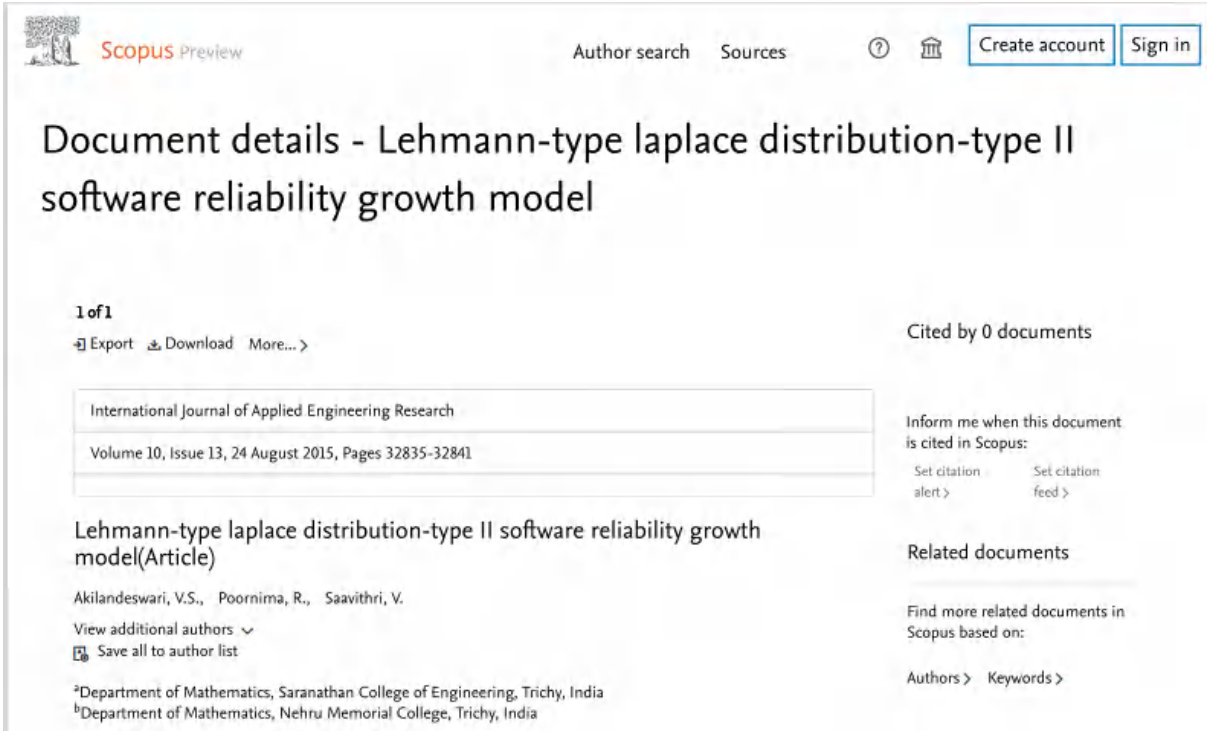
International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 13 (2015)

Lehmann-Type Laplace Distribution-Type II Software Reliability Growth Model

V.S.Akilandeswari[1], R.Poornima[2] and V.Saavithri[3]

[1] *Department of Mathematics, Saranathan College of Engineering, Trichy. akilaharish22@gmail.com*
[2] *Department of Mathematics, Nehru Memorial College, Trichy. poorniamanu@gmail.com*
[3] *Department of Mathematics, Nehru Memorial College, Trichy. saavithriramani@gmail.com*

Scopus



Pharmacognostic standardization and physicochemical analysis of the leaves of Barleria montana Wight & Nees

doi.org/10.1016/S2222-1808(15)61020-9

ELSEVIER

Asian Pacific Journal of Tropical Disease
Volume 6, Issue 3, March 2016, Pages 232-234

Floral research

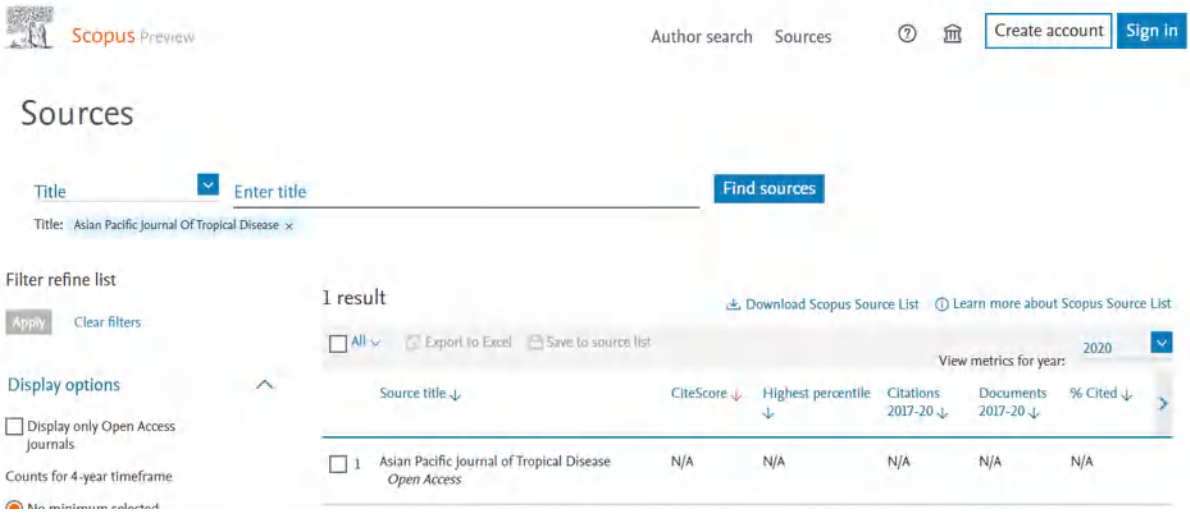
Pharmacognostic standardization and physicochemical analysis of the leaves of *Barleria montana* Wight & Nees

Sriram Sridharan [a], Sasikumar Chinna Gounder [b]

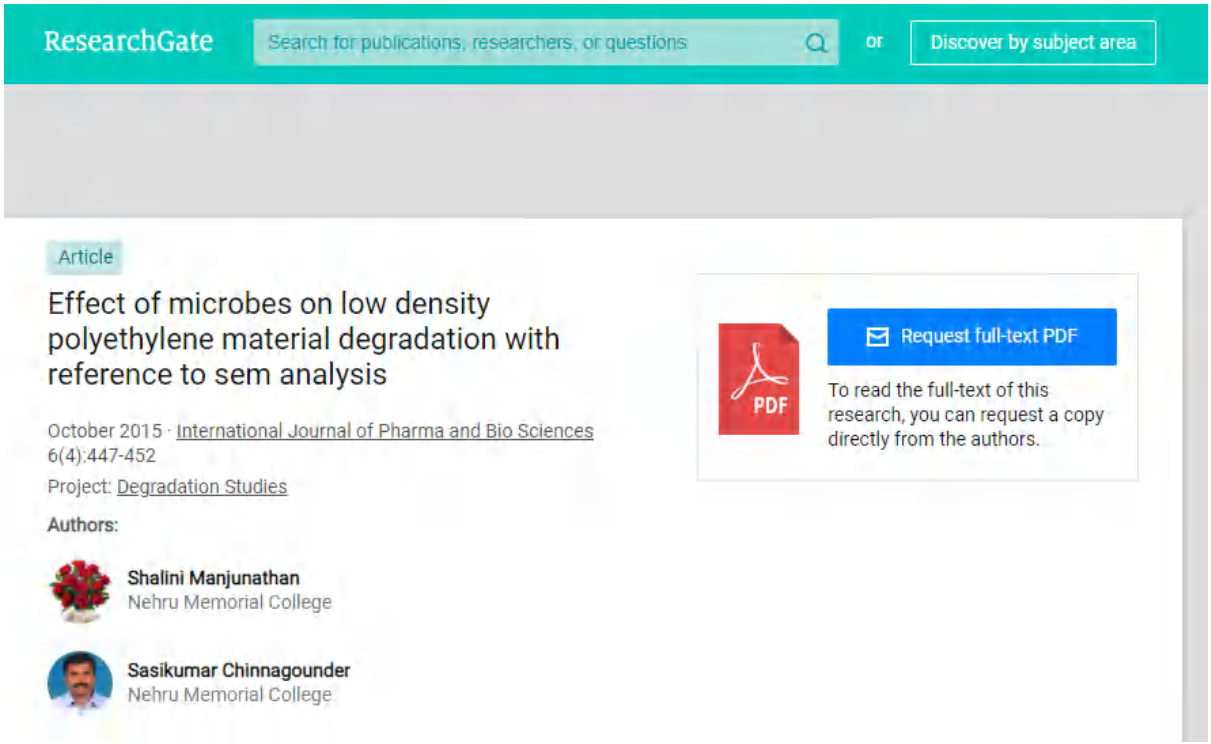
[a] Centre for Advanced Research in Indian System of Medicine (CARISM), SASTRA University, Thanjavur 613 401, Tamil Nadu, India
[b] PG Department of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti 621 007, Tiruchirappalli Dt, Tamil Nadu, India

Received 19 October 2015, Accepted 4 December 2016, Available online 26 March 2016.

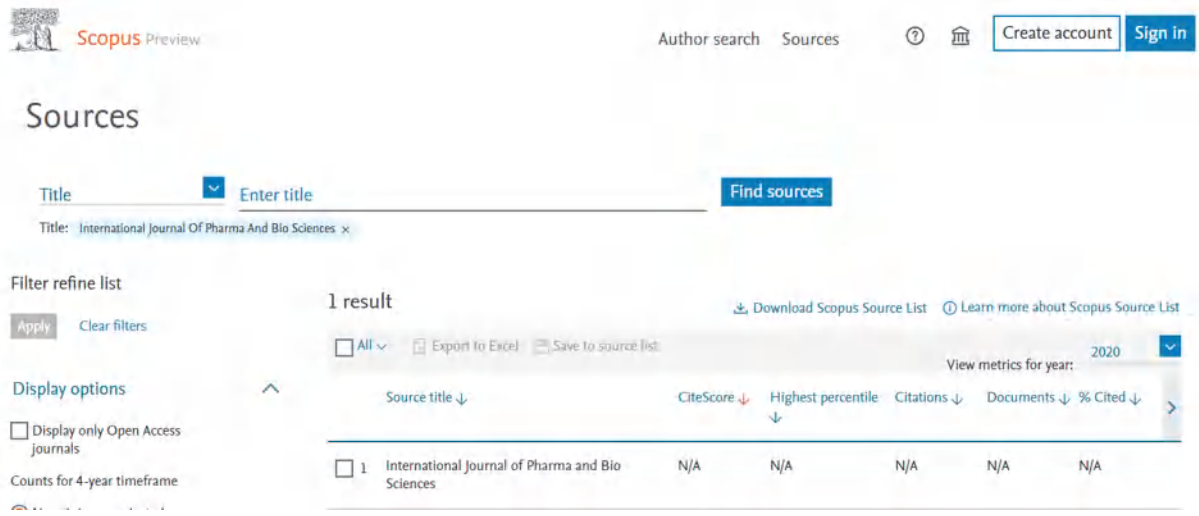
Scopus



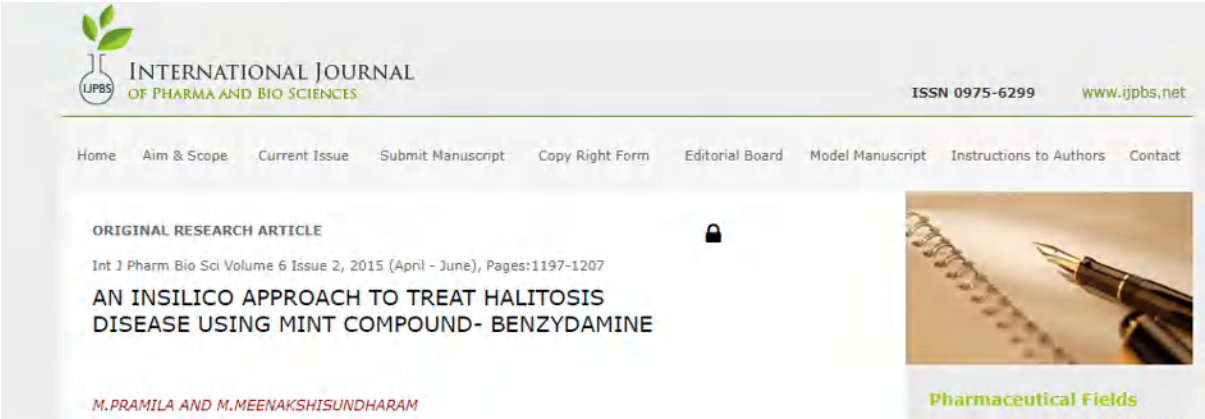
Effect of microbes on low density polyethylene material degradation with reference to sem analysis



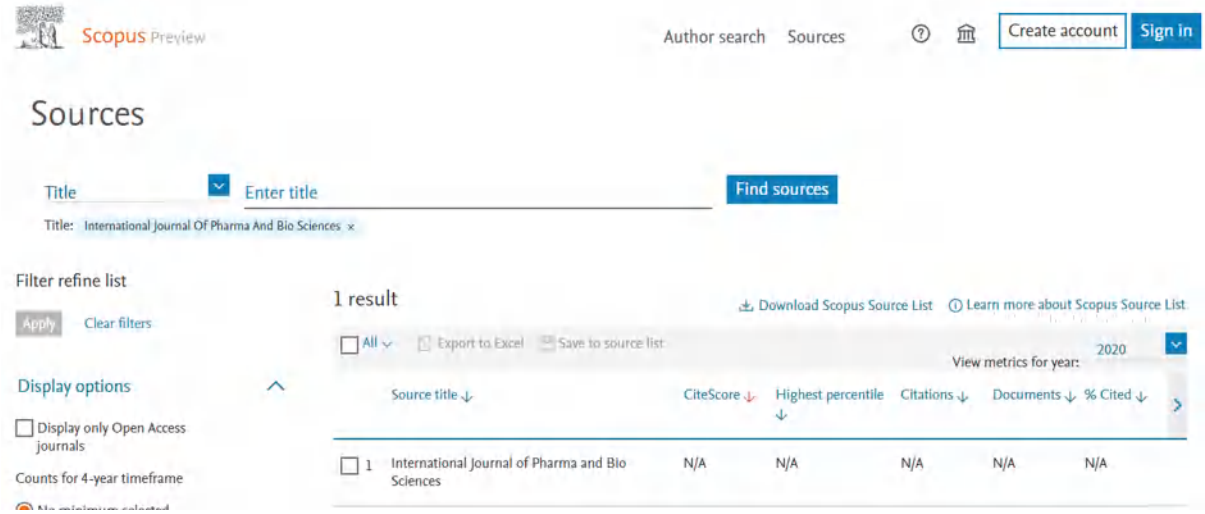
Scopus



An insilico approach to treat halitosis disease using mint compound-benzydamine



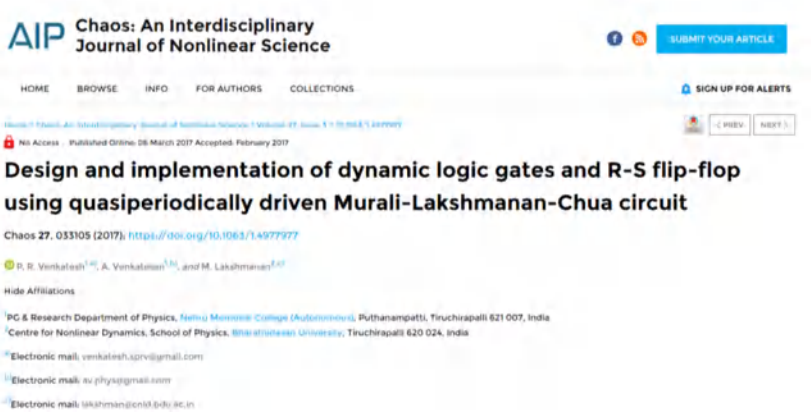
Scopus



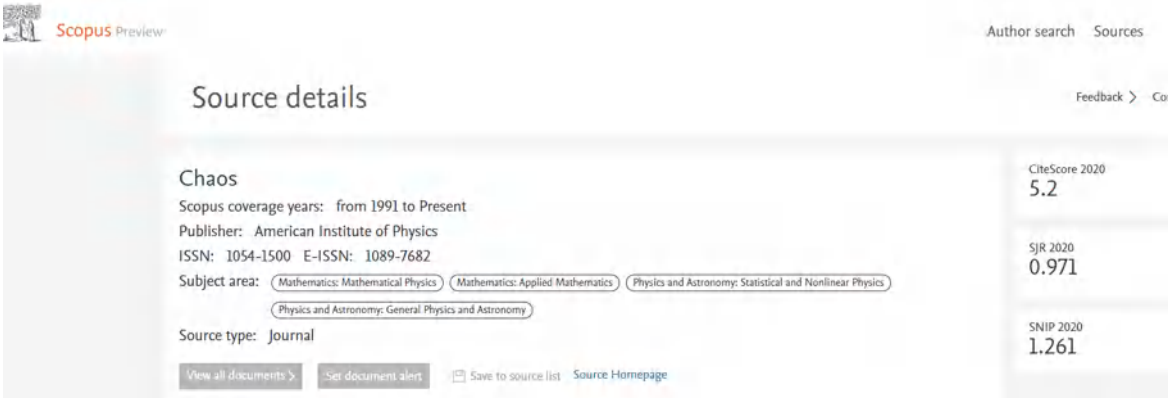
2016-2017

Design and implementation of dynamic logic gates and R-S flip-flop using quasiperiodically driven Murali-Lakshmanan-chua circuit

Doi = https://doi.org/10.1063/1.4977977

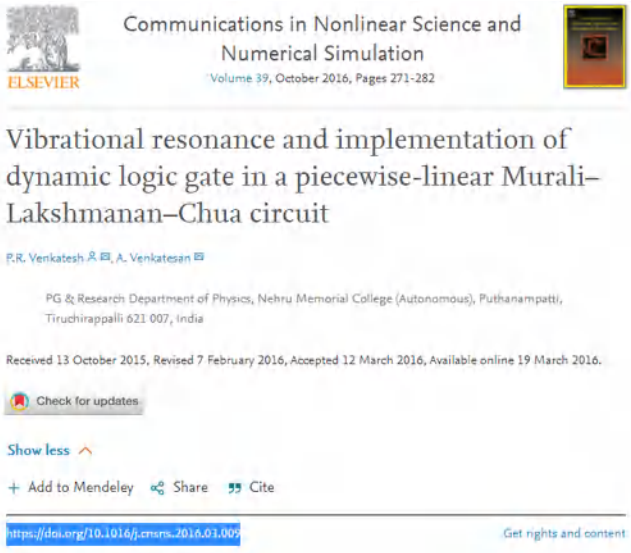


Scopus



Vibrational resonance and implementation of dynamic logic gate in a piecewise-linear Murali-Lakshmanan-Chua circuit

Doi = https://doi.org/10.1016/j.cnsns.2016.03.009



Communications in Nonlinear Science and Numerical Simulation
Volume 39, October 2016, Pages 271-282

Vibrational resonance and implementation of dynamic logic gate in a piecewise-linear Murali–Lakshmanan–Chua circuit

P.R. Venkatesh, A. Venkatesan

PG & Research Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli 621 007, India

Received 13 October 2015, Revised 7 February 2016, Accepted 12 March 2016, Available online 19 March 2016.

Check for updates

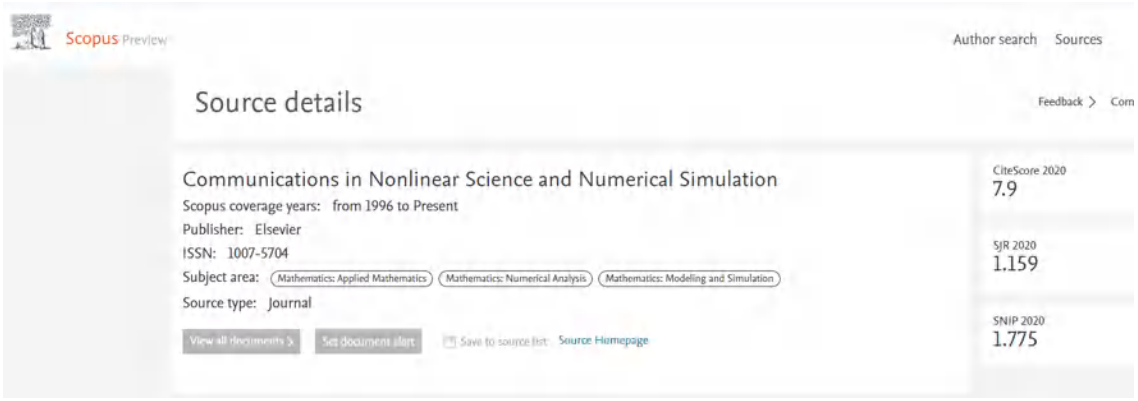
Show less

+ Add to Mendeley Share Cite

https://doi.org/10.1016/j.cnsns.2016.03.009

Get rights and content

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Com

Communications in Nonlinear Science and Numerical Simulation

Scopus coverage years: from 1996 to Present

Publisher: Elsevier

ISSN: 1007-5704

Subject area: Mathematics: Applied Mathematics | Mathematics: Numerical Analysis | Mathematics: Modeling and Simulation

Source type: Journal

View all documents > | Set document alert | Save to source list | Source Homepage

CiteScore 2020
7.9

SJR 2020
1.159

SNIP 2020
1.775

Significance of power average of sinusoidal and non-sinusoidal periodic excitations in nonlinear non-autonomous system

Doi = https://doi.org/10.1007/s12043-016-1207-9

Springer Link

Published: 08 June 2016

Significance of power average of sinusoidal and non-sinusoidal periodic excitations in nonlinear non-autonomous system

P R VENKATESH & A VENKATESAN

Pramana **87**, Article number: 3 (2016) | Cite this article

115 Accesses | **2** Citations | Metrics

Author information

Affiliations

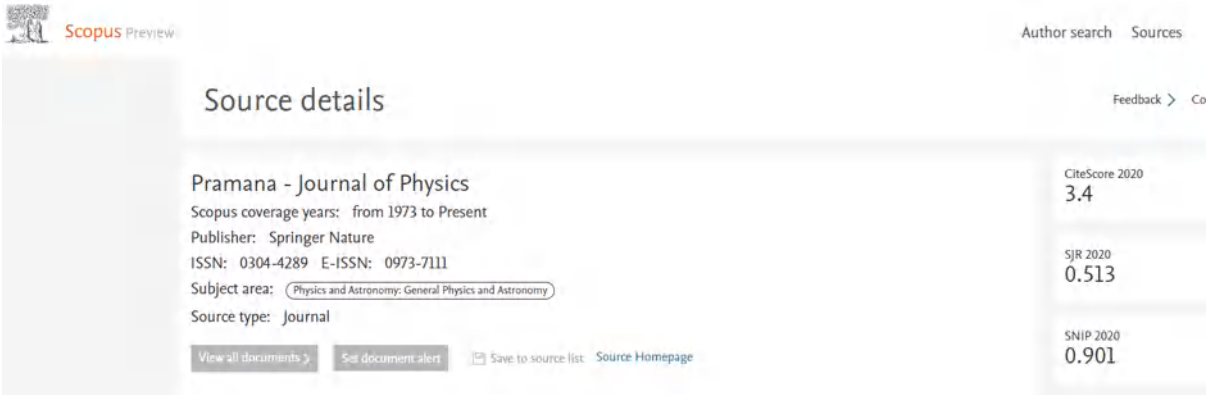
PG & Research Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirapalli, 621 007, India

P R VENKATESH & A VENKATESAN

Corresponding author

Correspondence to P R VENKATESH.

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Co

Pramana - Journal of Physics

Scopus coverage years: from 1973 to Present

Publisher: Springer Nature

ISSN: 0304-4289 E-ISSN: 0973-7111

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Journal

View all documents > Set document alert Save to source list Source Homepage

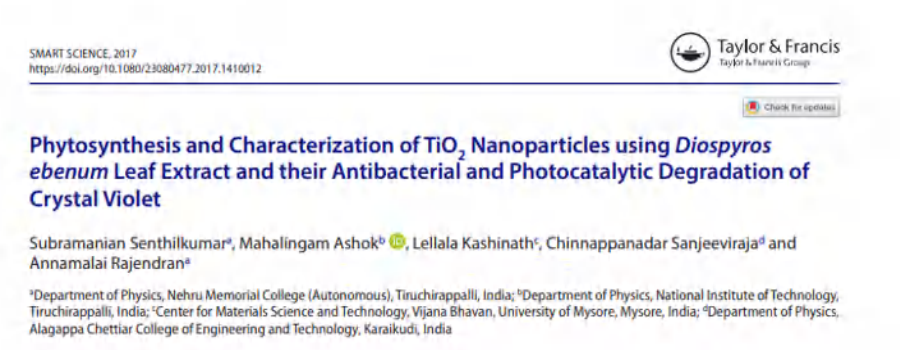
CiteScore 2020
3.4

SJR 2020
0.513

SNIP 2020
0.901

Phytosynthesis and Characterization of TiO2 Nanoparticles using Diospyrosebenum Leaf Extract and their Antibacterial and Photocatalytic Degradation of Crystal Violet

Doi = https://doi.org/10.1080/23080477.2017.1410012



SMART SCIENCE, 2017
https://doi.org/10.1080/23080477.2017.1410012

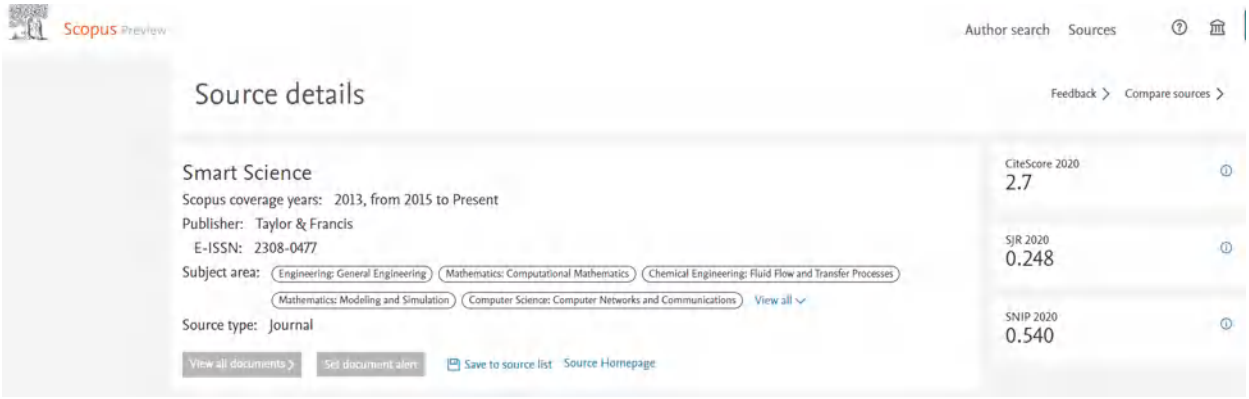
Taylor & Francis
Taylor & Francis Group

Phytosynthesis and Characterization of TiO_2 Nanoparticles using *Diospyros ebenum* Leaf Extract and their Antibacterial and Photocatalytic Degradation of Crystal Violet

Subramanian Senthilkumar[a], Mahalingam Ashok[b], Lellala Kashinath[c], Chinnappanadar Sanjeeviraja[d] and Annamalai Rajendran[a]

[a]Department of Physics, Nehru Memorial College (Autonomous), Tiruchirappalli, India; [b]Department of Physics, National Institute of Technology, Tiruchirappalli, India; [c]Center for Materials Science and Technology, Vijana Bhavan, University of Mysore, Mysore, India; [d]Department of Physics, Alagappa Chettiar College of Engineering and Technology, Karaikudi, India

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Compare sources >

Smart Science

Scopus coverage years: 2013, from 2015 to Present

Publisher: Taylor & Francis

E-ISSN: 2308-0477

Subject area: Engineering: General Engineering | Mathematics: Computational Mathematics | Chemical Engineering: Fluid Flow and Transfer Processes | Mathematics: Modeling and Simulation | Computer Science: Computer Networks and Communications | View all

Source type: Journal

View all documents > | Set document alert | Save to source list | Source Homepage

CiteScore 2020
2.7

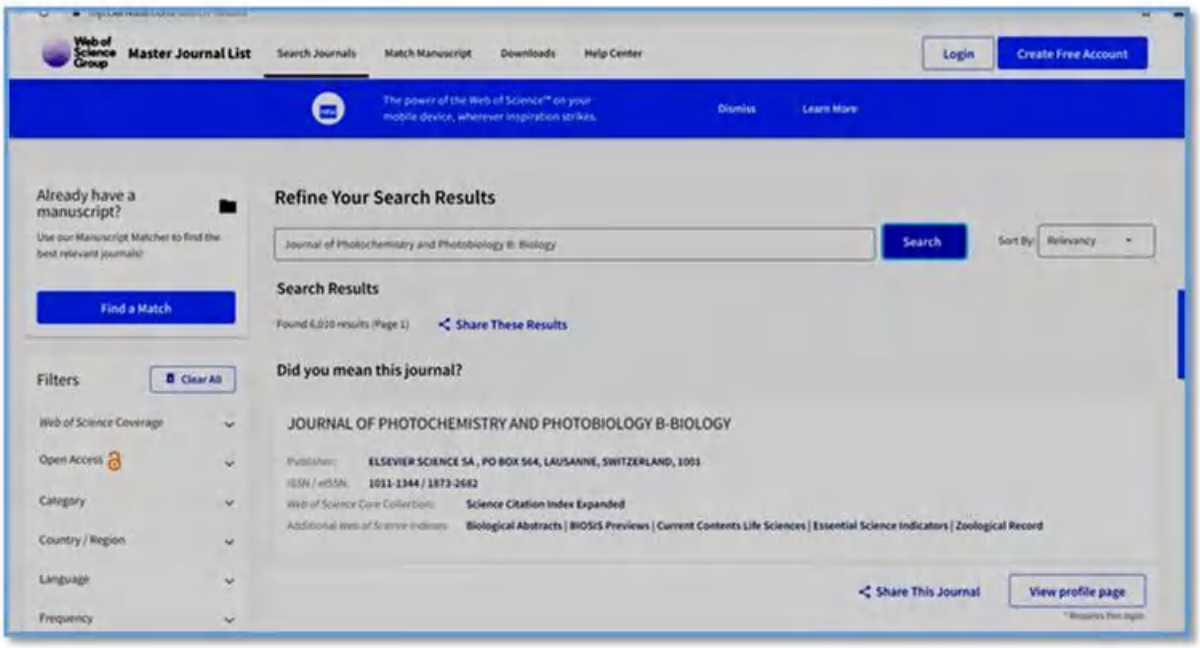
SJR 2020
0.248

SNIP 2020
0.540

Venugopal K., Rather H.A., Rajagopal K., **Shanthi M.P**., Sheriff K., Illiyas M., Rather R.A., Manikandan E., Uvarajan S., Bhaskar M., Maaza M. 2016.

Synthesis of silver nanoparticles (Ag NPs) for anticancer activities (MCF 7 breast and A549 lung cell lines) of the crude extract of *Syzygium aromaticum. 167: 282-289.*

https://doi.org/10.1016/j.jphotobiol.2016.12.013



Journal of Photochemistry and Photobiology B: Biology
Volume 167, February 2017, Pages 282-289

Synthesis of silver nanoparticles (Ag NPs) for anticancer activities (MCF 7 breast and A549 lung cell lines) of the crude extract of *Syzygium aromaticum*

K Venugopal [a], H A Rather [a], K Rajagopal [a], M P Shanthi [b], K Sheriff [c], M Illiyas [c], R A Rather [c], E Manikandan [a, e, f, g] ✉, S Uvarajan [e], M Bhaskar [d], M Maaza [f, g]

[a] Department of Biotechnology, Vels University, Chennai, India
[b] Dept of Zoology, Nehru Memorial College, Puthanampatti-621007, Tiruchirappalli, Tamil Nadu, India
[c] Dept of Virology, King Institute of Preventive Medicine and Research, Chennai 600032, India
[d] Dept of Zoology, UGC SAP-DSA-I, Sri Venkateswara University, Tirupati 517502, India
[e] Dept of Physics & Biochemistry, TUCAS, Thennangur-604408, Thiruvalluvar University, Serkadu, Vellore, India
[f] UNESCO-UNISA AFNET in Nanosciences/Nanotechnology, College of Graduate Studies, University of South Africa, Muckleneuk Ridge, PO BOX 392, Pretoria, South Africa
[g] Nanosciences African Network (NANO-AFNET), Materials Research Department, iThemba LABS–National Research Foundation (NRF), 1 Old Faure Road, Somerset West, PO BOX 722, Western Cape, South Africa

Received 15 October 2016, Accepted 5 December 2016, Available online 20 December 2016.

In vitro anticancer activity of Biophytumsensitivum whole plant extracts against cervical and liver cancer cell lines

DOI: 10.13040/IJPSR.0975-8232.7(12).5128-35

IJPSR (2016), Vol. 7, Issue 12 **(Research Article)**

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH

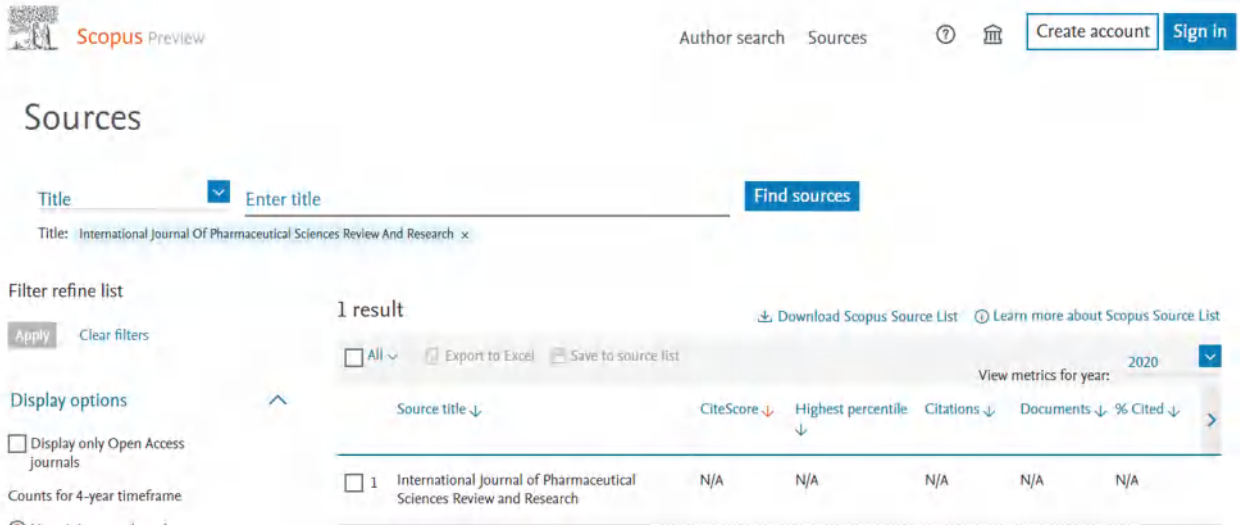
Received on 27 May, 2016; received in revised form, 22 October, 2016; accepted, 18 November, 2016; published 01 December, 2016

IN VITRO ANTICANCER ACTIVITY OF *BIOPHYTUM SENSITIVUM* WHOLE PLANT EXTRACTS AGAINST CERVICAL AND LIVER CANCER CELL LINES

M. P. Shanthi [1], G. Bupesh [* 2, 3], S. Magesh [3], K. Meenakurmari [2], K. Saravanan [1] and N.S. Muthiah [4]

Department of Zoology [1], Nehru Memorial College, Puthanampatti, Tamil Nadu, India.
Central Research Laboratory [2], Sree Balaji Medical College and Hospital (SBMCH), Bharath University, Biher, Chrompet, Chennai-600044, Tamil Nadu, India.
Department of Virology [3], King Institute of Preventive Medicine and Research, Guindy, Chennai-600032, India.
Department of Pharmacology [4], Sree Balaji Medical College and Hospital (SBMCH), Bharath University, Biher, Chrompet, Chennai-600044, Tamil Nadu, India.

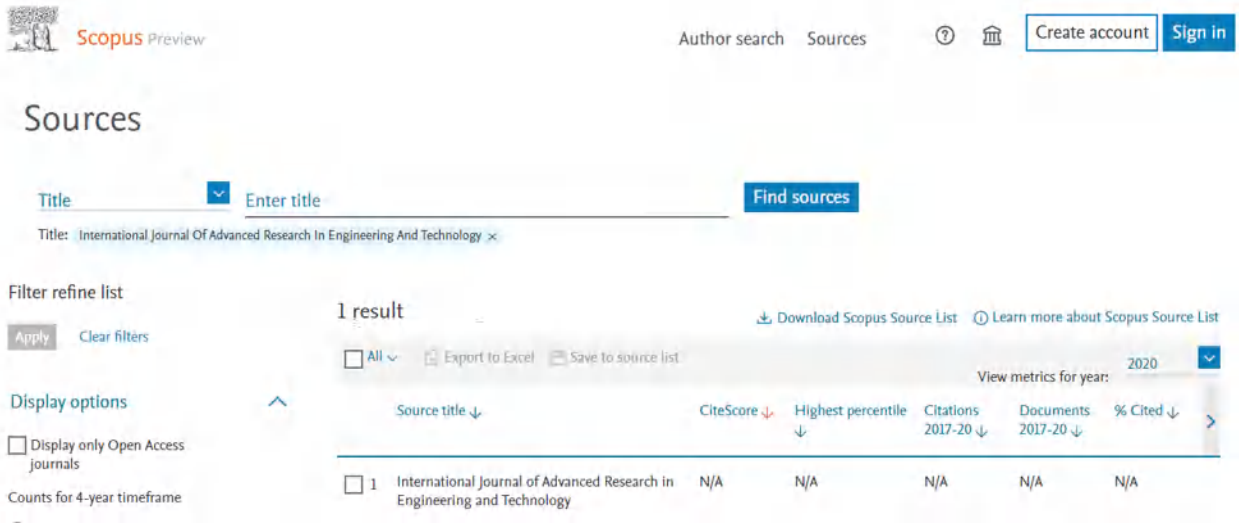
Scopus



Efficacy of lignocellulolytic fungi on the biodegradation of paddy straw

DIO: 10.22059/IJER.2015.892

Scopus



Evaluating the Antibacterial Potential of Streptomyces sp.

DOI: 10.21767/2172-0479.100003

Translational Biomedicine

contact@imedp

Home Articles Authors Editors In Detail Information Citations Contact Us RSS

Evaluating the Antibacterial Potential of Streptomyces sp.

Sujith Sugathan[1], Aseer Manilal[2*], Tigist Gezmu[2], Behailu Merdekios[2], Joseph Selvin[3], Tsegaye Tsalla[2], Akbar Idhayadhulla[4]and Shine Kadaikunnan[5]

[1]Division of Microbiology, Department of Botany and Biotechnology, Sree Narayana College, Kollam 691021 Kerala, India

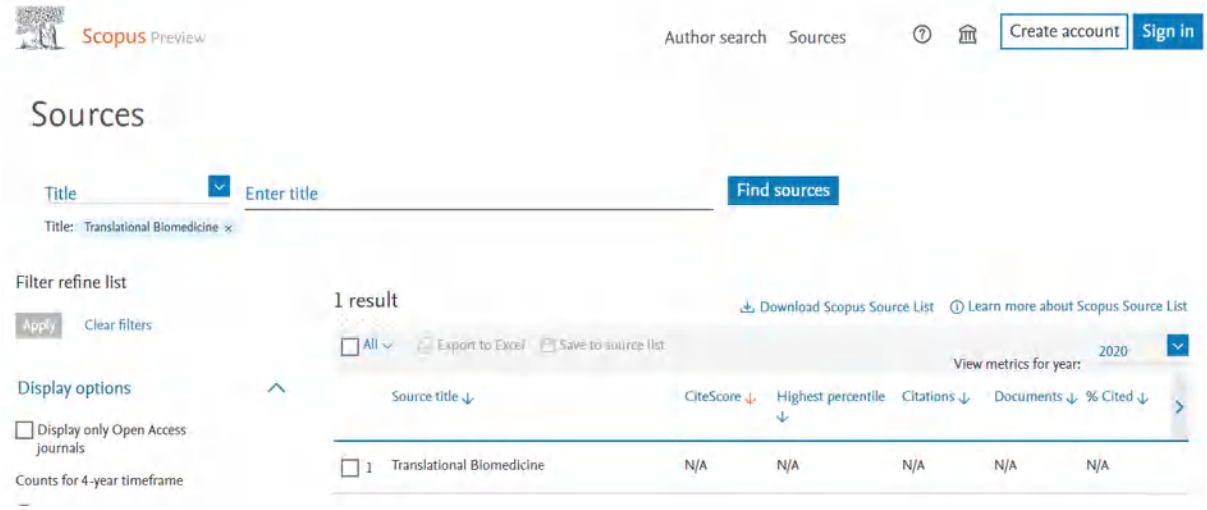
[2]College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia

[3]Centre for Microbiology, Pondicherry University, Puducherry 605014, South India

[4]School of Chemical Engineering, Yeungnam University, Gyeongsan 712- 749, South Korea

[5]Department of Botany and Microbiology, College of Science, King Saud University, P.O. Box 24, Kingdom of Saudi Arabia

Scopus



Scopus Preview Author search Sources Create account Sign in

Sources

Title Enter title Find sources

Title: Translational Biomedicine

Filter refine list

Apply Clear filters

Display options

Display only Open Access journals

Counts for 4-year timeframe

1 result

Download Scopus Source List Learn more about Scopus Source List

All Export to Excel Save to source list

View metrics for year: 2020

Source title	CiteScore	Highest percentile	Citations	Documents	% Cited
1 Translational Biomedicine	N/A	N/A	N/A	N/A	N/A

Study of Stress and Job Satisfaction of Dual Career Teacher Couples of Tamilnadu

The International journal of analytical and experimental modal analysis ISSN NO: 0886-9367

A STUDY OF STRESS AND JOB SATISFACTION OF DUAL CAREER TEACHER COUPLES OF TAMILNADU

Mrs. N. THILAGAVATHI*

ABSTRACT

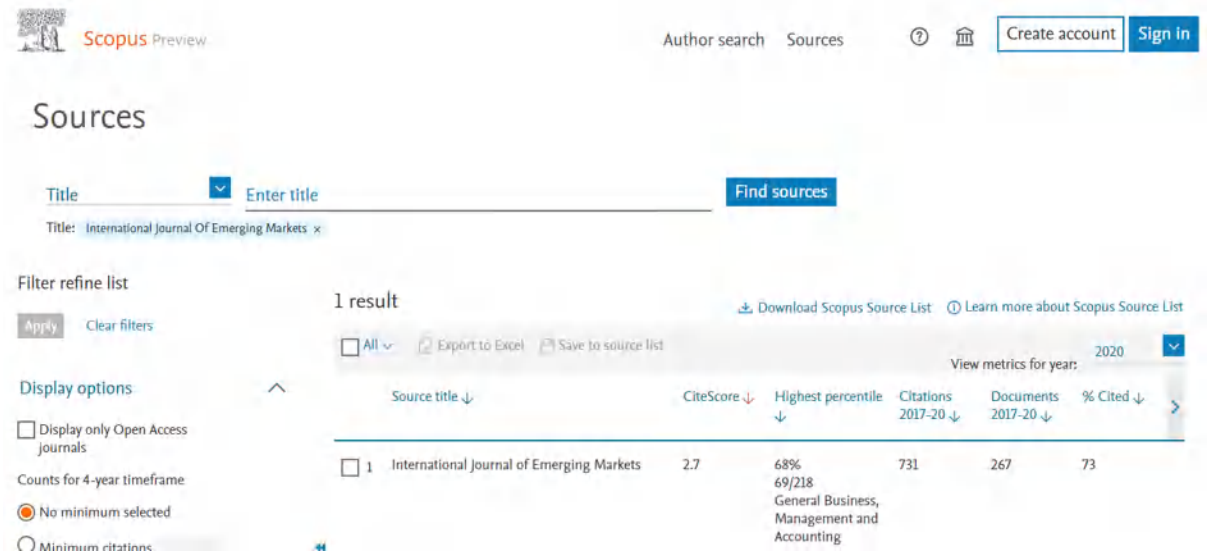
Nowadays work-life balance is viewed by many employees and organizations as an important issue. In today's world, where every individual has tobalance conflicting responsibilities and commitments,work-life balance has emerged as a predominant issuein the workplace. Between men & women the frequent topic is the search for work life balance.Work-life imbalance usually arises out of a lack of adequate time andor support tomanage work commitments as well as personal and familyresponsibilities. Meeting competing demands of workand family is not only tiring but can be stressful and canlead to sickness and absenteeism. It inevitably affectsproductivity.The results also indicate that femalemembers face more stress than

Scopus

Effects of FDI spillover on regional productivity: Evidence from panel data analysis using stochastic frontier analysis.

ISSN: 1746-8809

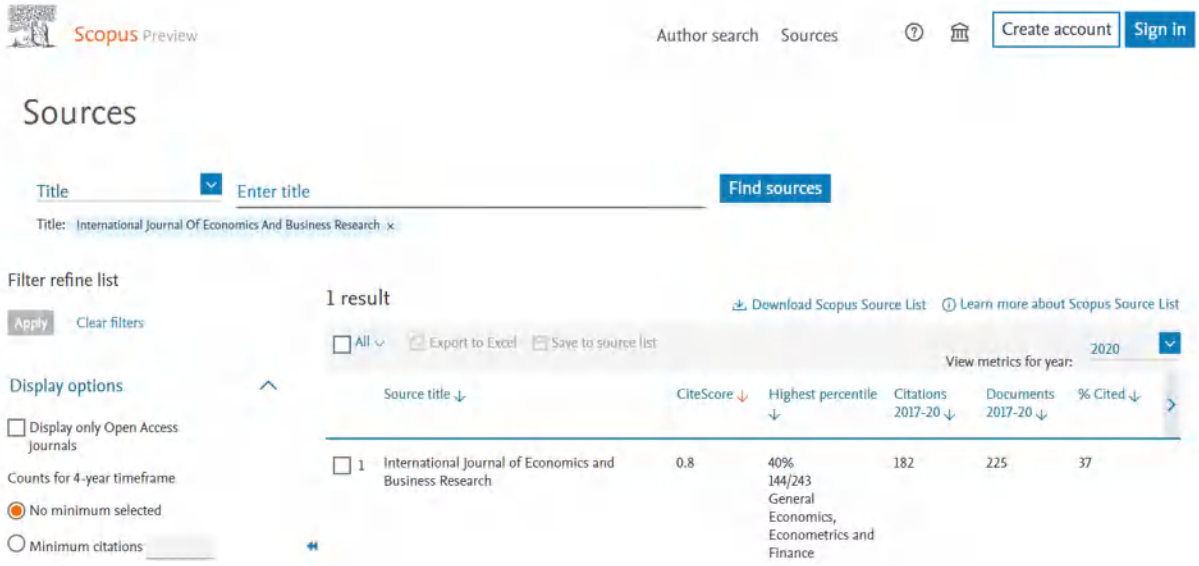
Scopus



Analysis of factors determining the inward FDI in top seven Indian states from top seven source countries using gravity model

DOI: 10.1504/IJEBR.2016.076152

Scopus



Efficient Synthesis of novel Phenyl-5-thioxo-3,4,5,6-tetrahydroimidazo[4,5-c]pyrazole-2(1H)-carbothioamide Derivatives Using a CeO2–MgO Catalyst and Evaluation of Antimicrobial Activity,

doi.org/10.3390/polym13071046

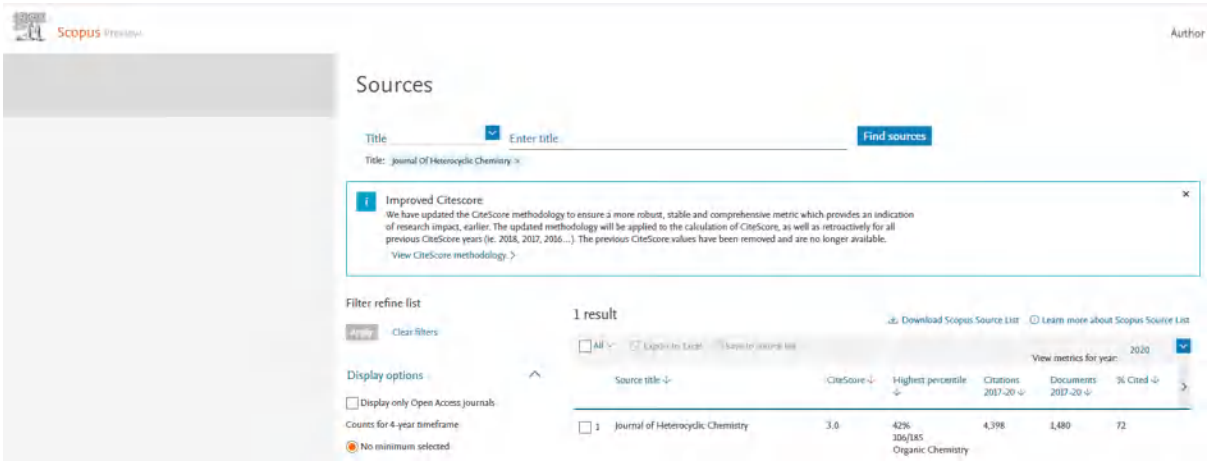
Month 2017

Efficient Synthesis of Novel 3-Phenyl-5-thioxo-3,4,5,6-tetrahydroimidazo[4,5-*c*]pyrazole-2(1*H*)-carbothioamide Derivatives Using a CeO_2–MgO Catalyst and Evaluation of Antimicrobial Activity

Meera Moydeen,[a] Salem S. Al-Deyab,[a] Radhakrishnan Surendra Kumar,[b] and Akbar Idhayadhulla[b]*

[a]Petrochemical Research Chair, Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia
[b]Research Department of Chemistry, Nehru Memorial College, Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India
*E-mail: a.idhayadhulla@gmail.com; idhayadhulla@nmc.ac.in
Received February 13, 2017
DOI 10.1002/jhet.2938
Published online 00 Month 2017 in Wiley Online Library (wileyonlinelibrary.com).

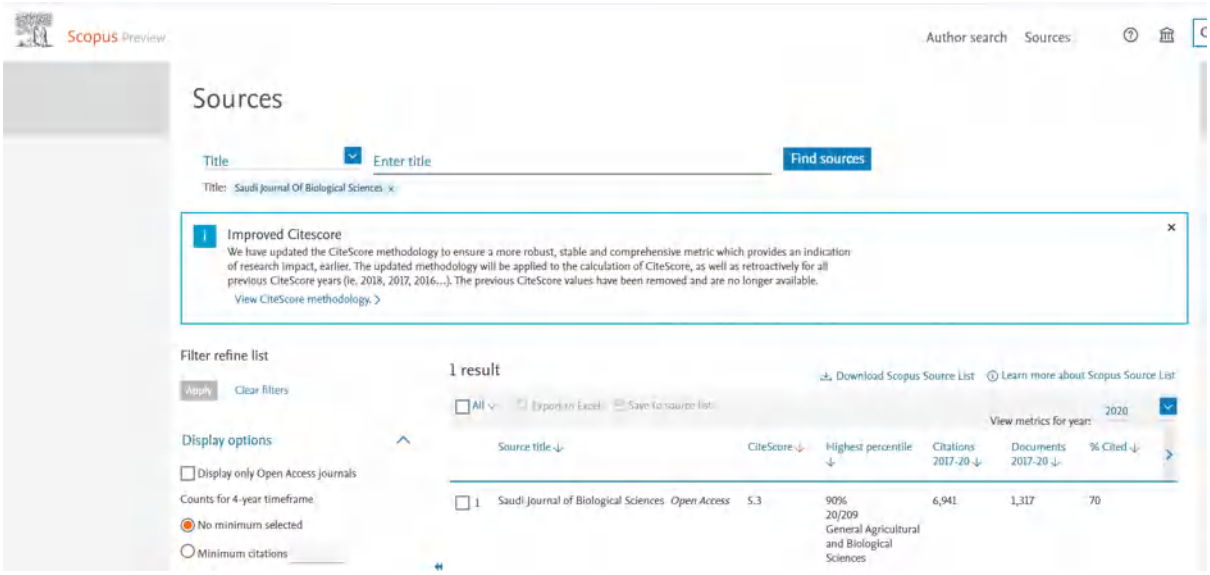
Scopus



Evaluation of antioxidant and anticancer activities of chemical constituents of the Saururuschinensis root extracts

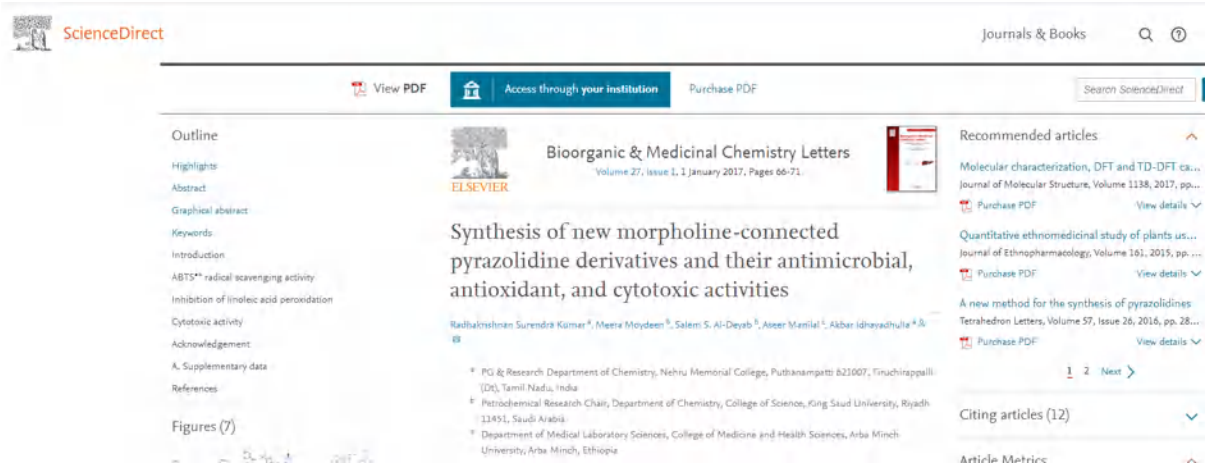
DOI: 10.1016/j.sjbs.2016.12.021

Scopus

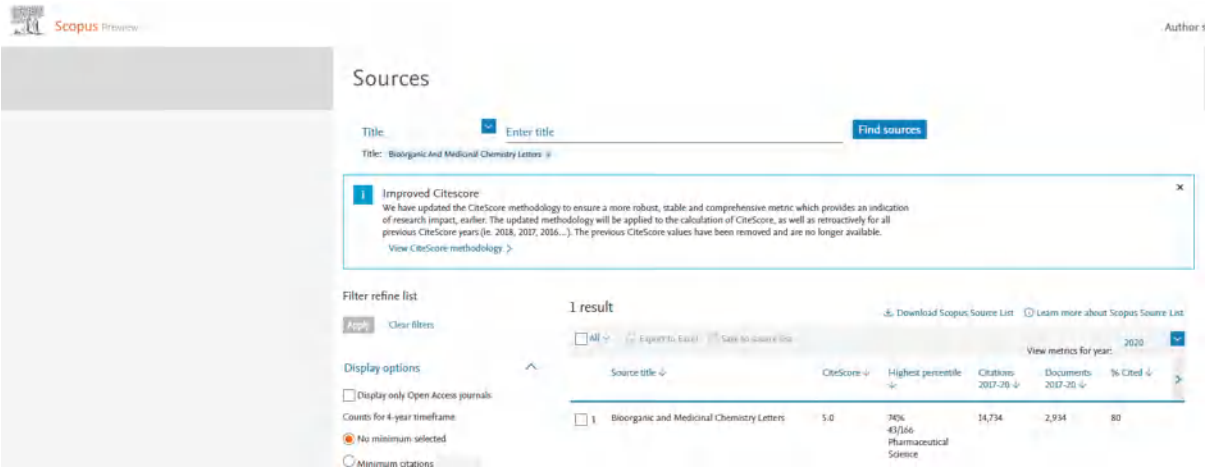


Synthesis of new morpholine-connected pyrazolidine derivatives and their antimicrobial, antioxidant, and cytotoxic activities

doi.org/10.1016/j.bmcl.2016.11.032



Scopus



Larvicidal, nematicidal, antifeedant and antifungal, antioxidant activities of *Menthaspicata* (Lamiaceae) root extracts

DOI number: 10.4314/tjpr.v15i11.12

Tropical Journal of Pharmaceutical Research November 2016; 15 (11): 2383-2390
ISSN: 1596-5996 (print); 1596-9827 (electronic)

Available online at http://www.tjpr.org
http://dx.doi.org/10.4314/tjpr.v15i11.12

Original Research Article

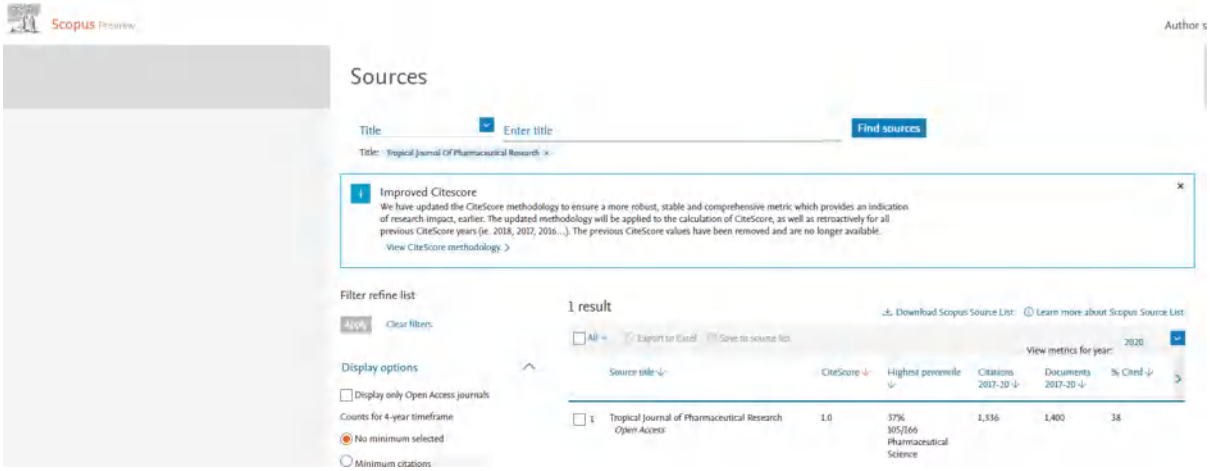
Larvicidal, nematicidal, antifeedant and antifungal, antioxidant activities of Mentha spicata (Lamiaceae) root extracts

Abdullah Alaklabi[1], Ibrahim A Arif[2], Anis Ahamed[2], Aseer Manilal[3], Radhakrishnan Surendrakumar[4] and Akbar Idhayadhulla[4]*

[1]Department of Biology, College of Science and Arts, Albaha University, Baljurashi, [2]Prince Sultan Research Chair for Environment and Wildlife, Department of Botany and Microbiology, College of Sciences, King Saud University, Riyadh, Saudi Arabia, [3]Department of Medical Laboratory Sciences, College of Medicine and Health sciences, Arba Minch University, Arba Minch, Ethiopia, [4]PG and Research Department of Chemistry, Nehru Memorial College, (Affiliated to Bharathidasan University), Puthanampatti -621007, Tamil Nadu, India

For correspondence: **Email: a.idhayadhulla@gmail.com; **Tel:** +919994265115*

Scopus



Generation of Key Matrix for Hill Cipher Encryption Using Classical Cipher

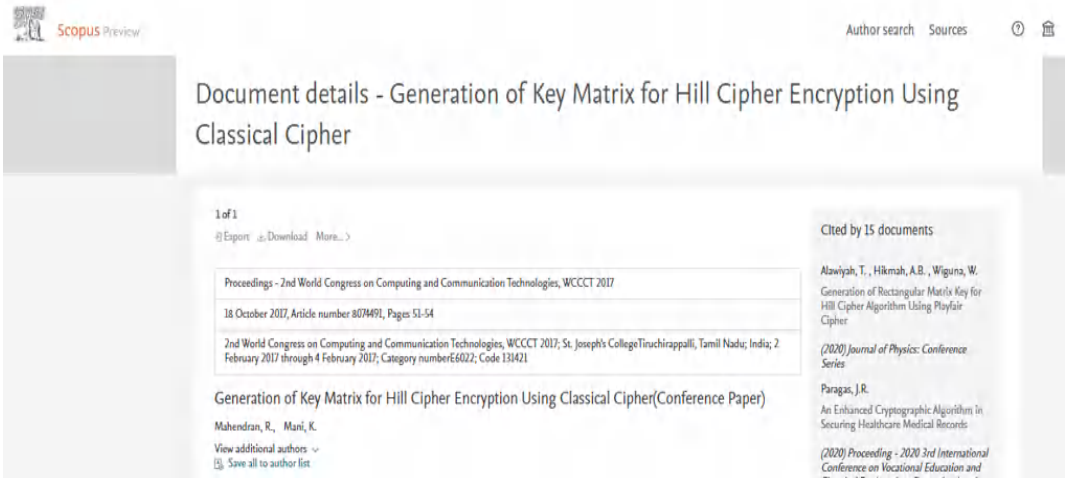
DOI: 10.1109/WCCCT.2016.22

Authors

R. Mahendran
Department of Computer Science, Nehru Memorial College, Puthanampatti, Tamilnadu, India

K. Mani
Department of Computer Science, Nehru Memorial College, Puthanampatti, Tamilnadu, India

Scopus



Enhancing Security in Public Key Algorithms using SCRZE Approach

ISSN :0973-4562

International Journal of Applied Engineering Research (IJAER)

Volume 10, Number 82 (2015) *Special Issues*

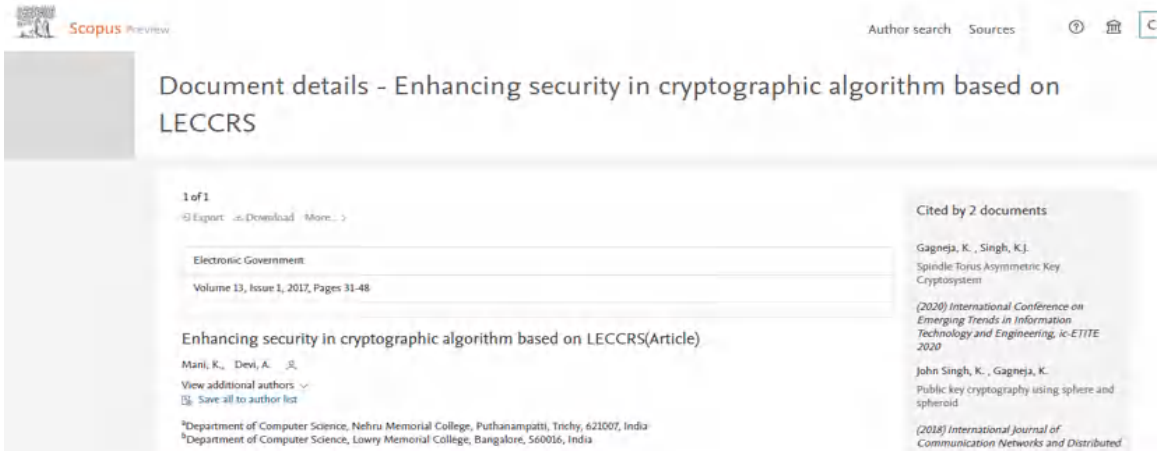
CONTENTS

Scopus

Enhancing security in cryptographic algorithm based on LECCRS

DOI:10.1504/EG.2017.10003821

Scopus



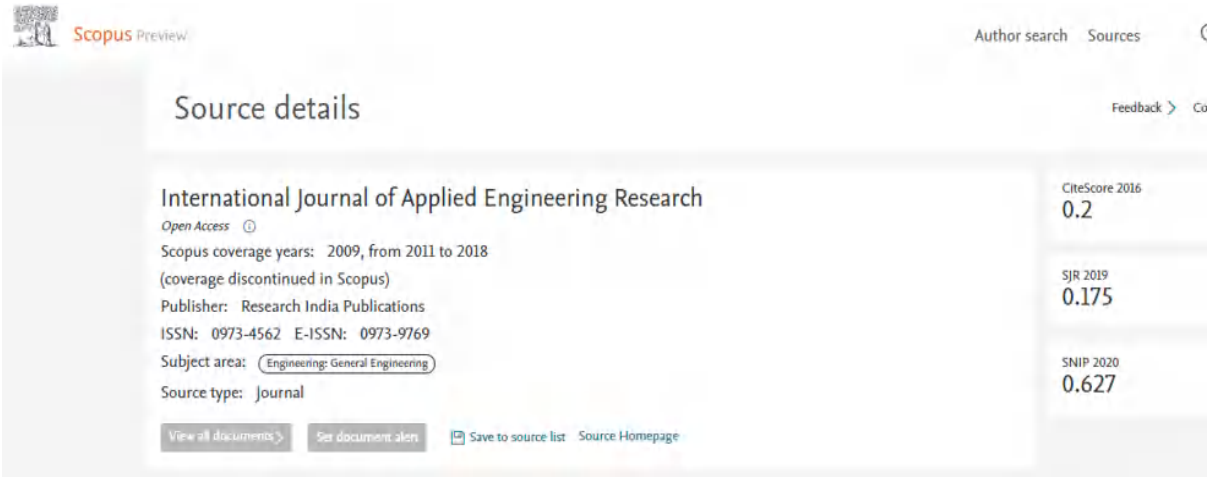
Improving the Speed of Scalar Point Multiplication in Elliptic curve Cryptography Using 1's Complement

International Journal of Applied Engineering Research (IJAER)

Volume 10, Number 82 (2015) *Special Issues*

CONTENTS

Scopus



A Filter-based Feature Selection using Information Gain with Median Based Discretization for Naive Bayesian Classifier

International Journal of Applied Engineering Research (IJAER)

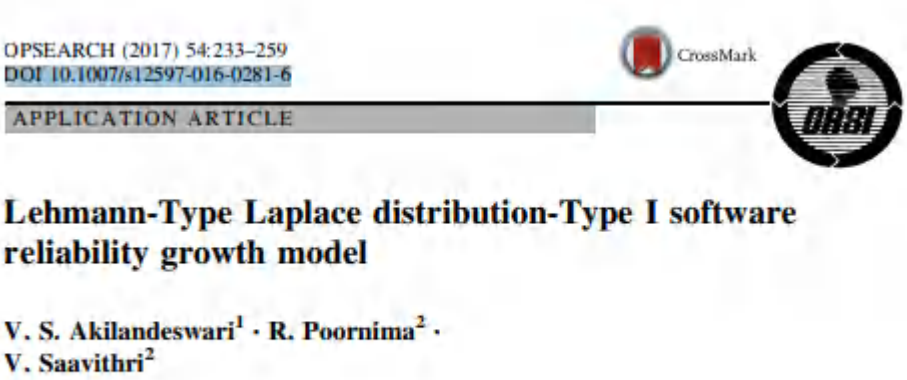
Volume 10, Number 82 (2015) *Special Issues*

CONTENTS

Scopus

Lehmann-Type Laplace distribution-Type I software reliability growth model

DOI 10.1007/s12597-016-0281-6



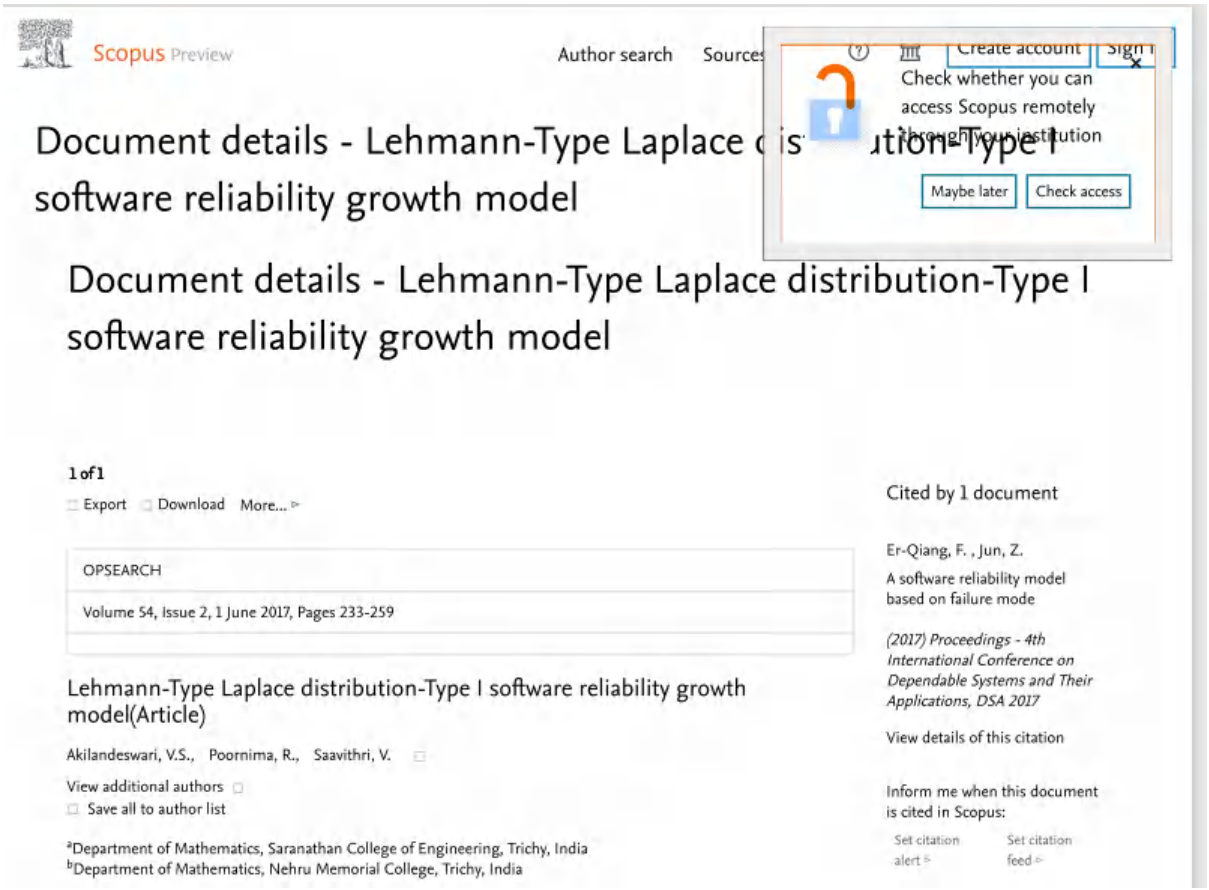
OPSEARCH (2017) 54:233–259
DOI 10.1007/s12597-016-0281-6

APPLICATION ARTICLE

Lehmann-Type Laplace distribution-Type I software reliability growth model

V. S. Akilandeswari[1] · R. Poornima[2] · V. Saavithri[2]

Scopus



Mean Vertex D-Distance For Radial And Detour Radial Graphs

Doi.org/10.1063/1.5112314

Mean Vertex D-Distance For Radial And Detour Radial Graphs

M.Suresh[1,a] and V.Mohanaselvi[2,b]

[1]Department of Mathematics, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur - 603 203, Tamilnadu, India.
[2]PG and Research Department of Mathematics, Nehru Memorial College Puthanampatti-621007, Trichy, Tamil Nadu, India.

[a)] Corresponding author: suresh.math86@gmail.com
[b)] vmohanaselvi@gmail.com

Scopus

On independent rebellion number in graphs

On independent rebellion number in graphs

P. SHYAMALA ANTO MARY[1,*] and V. MOHANA SELVI[2]

Alliance structure plays a vital role in social networks and it is used, to study the important characteristic of similarity networks in natural and unnatural objects. For studying the co-alliance set the authors already introduced the rebellion concept by interchanging the inequalities in the alliance set. In this paper, the independence property of the rebellion set is studied and defined independent rebellion number. The tight bounds of independent rebellion number and maximum independent rebellion number are obtained for some standard graphs. Also, the parameter is characterized and its relationship with other parameters is studied.

Keywords: domination number, independent domination number, rebellion number, independent rebellion number, maximum independent rebellion number

[1]Department of Mathematics, Jayaram College of Engineering & Technology, Thuraiyur, India
[2]PG & Research Department of Mathematics, Nehru Memorial College (Autonomous), Trichy, India
e-mail: vmohanaselvi@gmail.com
[*]Corresponding author: *e*-mail - shyamkarthi12@gmail.com

Received 26 January 2017; Accepted 19 February 2017

Printed in the Philippines

Scopus

Marine antifouling property of PMMA nanocomposite films: Results of laboratory and field assessment

doi.org/10.1016/j.ibiod.2016.05.026

Journals & Books

Access through your institution Purchase PDF

ELSEVIER

International Biodeterioration & Biodegradation

Volume 114, October 2016, Pages 57-66

Marine antifouling property of PMMA nanocomposite films: Results of laboratory and field assessment

S. Sathya [a, c], P. Sriyutha Murthy [a], Arindam Das [b], G. Gomathi Sankar [c], S. Venkatnarayanan [a], R. Pandian [b], V.S. Sathyaseelan [a], V. Pandiyan [d], M. Doble [c], V.P. Venugopalan [a]

[a] Biofouling and Biofilm Processes Section, Water and Steam Chemistry Division, Bhabha Atomic Research Centre, Kalpakkam, 603102, India

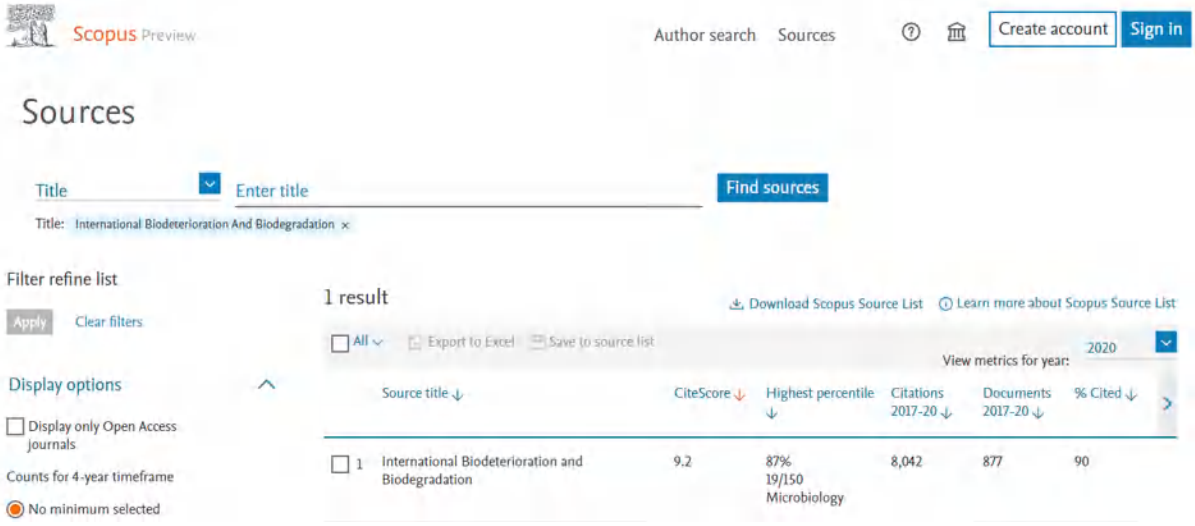
[b] Surface and Nanoscience Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India

[c] Department of Biotechnology, Indian Institute of Technology-Madras, Chennai, 600036, India

[d] Nehru Memorial College, Puthinampatti, Tiruchirapalli, 621007, India

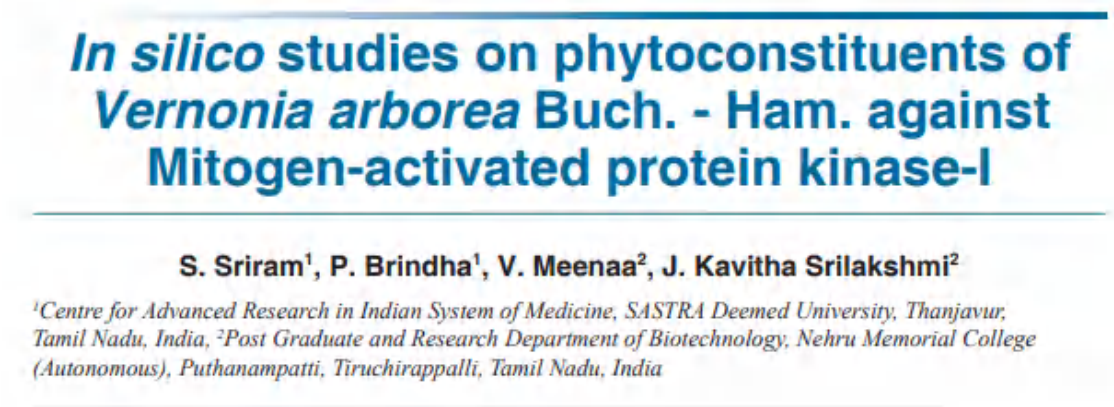
Received 14 March 2016, Revised 11 May 2016, Accepted 30 May 2016, Available online 6 June 2016.

Scopus



In silico studies on phytoconstituents of Vernonia arborea Buch. - Ham. against Mitogen-activated protein kinase-I

DOI: http://dx.doi.org/10.22377/ijgp.v12i01.1612

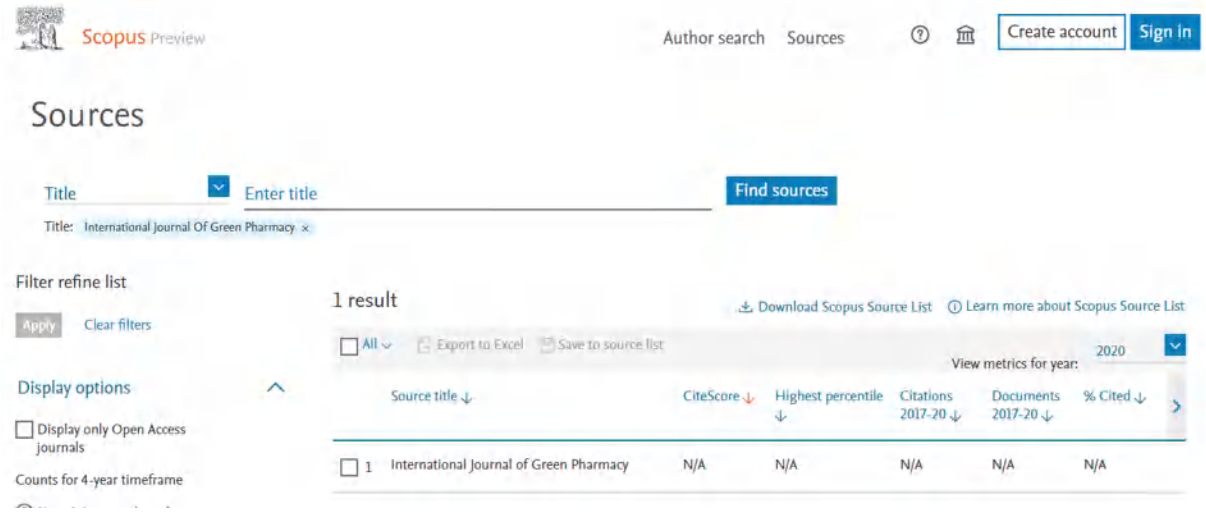


In silico studies on phytoconstituents of *Vernonia arborea* Buch. - Ham. against Mitogen-activated protein kinase-I

S. Sriram[1], P. Brindha[1], V. Meenaa[2], J. Kavitha Srilakshmi[2]

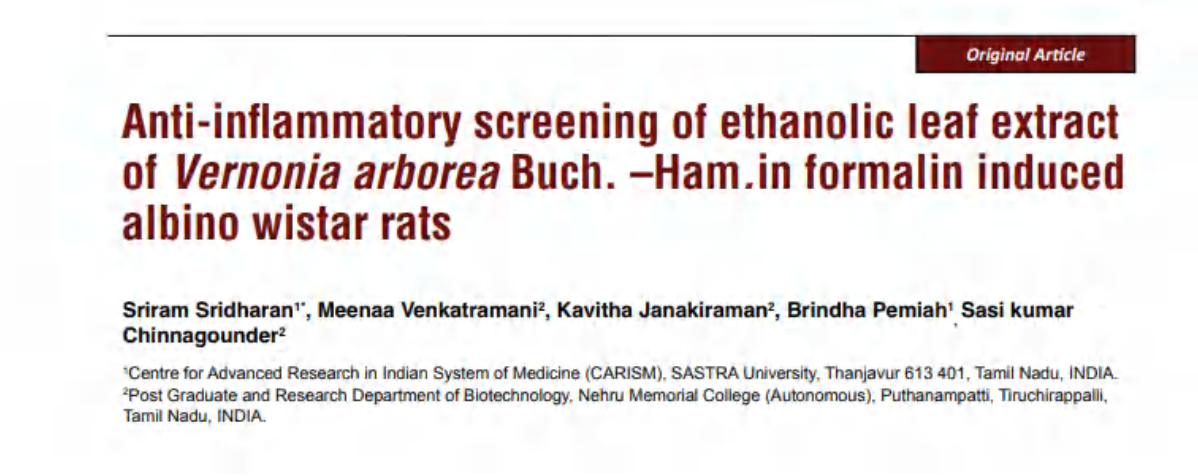
[1]Centre for Advanced Research in Indian System of Medicine, SASTRA Deemed University, Thanjavur, Tamil Nadu, India, [2]Post Graduate and Research Department of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, Tamil Nadu, India

Scopus



Anti-inflammatory screening of ethanolic leaf extract of Vernonia arborea Buch. â€“Ham.in formalin induced albino wistar rats

DOI: 10.5530/ijper.50.4.16



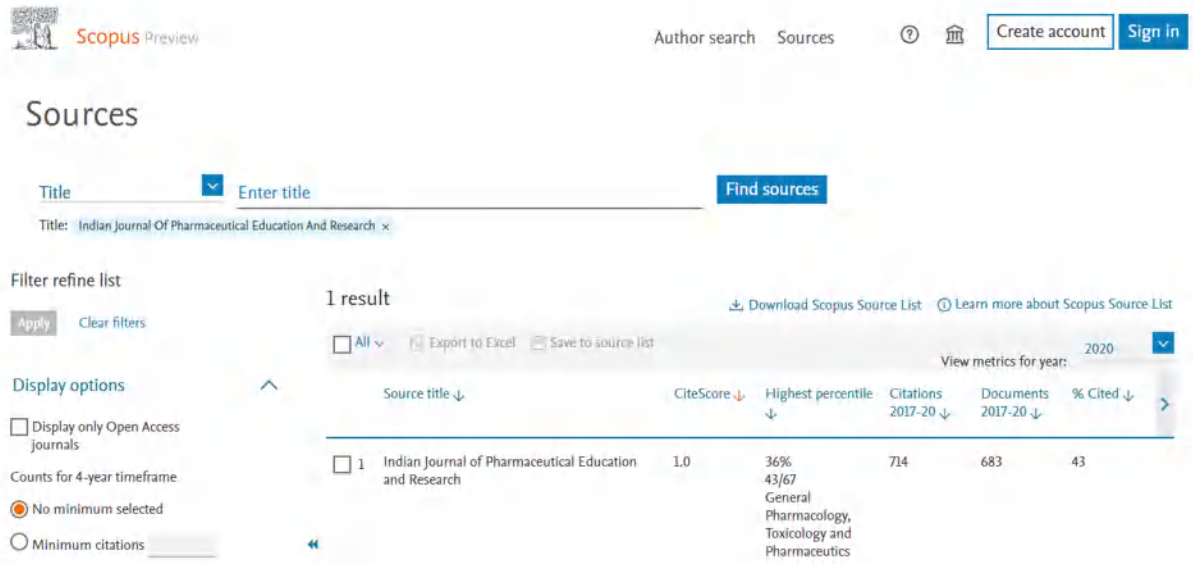
Original Article

Anti-inflammatory screening of ethanolic leaf extract of *Vernonia arborea* Buch. –Ham.in formalin induced albino wistar rats

Sriram Sridharan[1*], Meenaa Venkatramani[2], Kavitha Janakiraman[2], Brindha Pemiah[1], Sasi kumar Chinnagounder[2]

[1]Centre for Advanced Research in Indian System of Medicine (CARISM), SASTRA University, Thanjavur 613 401, Tamil Nadu, INDIA.
[2]Post Graduate and Research Department of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, Tamil Nadu, INDIA.

Scopus



Pharmacognostic standardization and HPTLC analysis of the leaves of Hiptage benghalensis (L.) Kurz

doi.org/10.1016/S2222-1808(15)61037-4

ELSEVIER

Asian Pacific Journal of Tropical Disease

Volume 6, Issue 4, April 2016, Pages 317-320

Floral research

Pharmacognostic standardization and HPTLC analysis of the leaves of *Hiptage benghalensis* (L.) Kurz

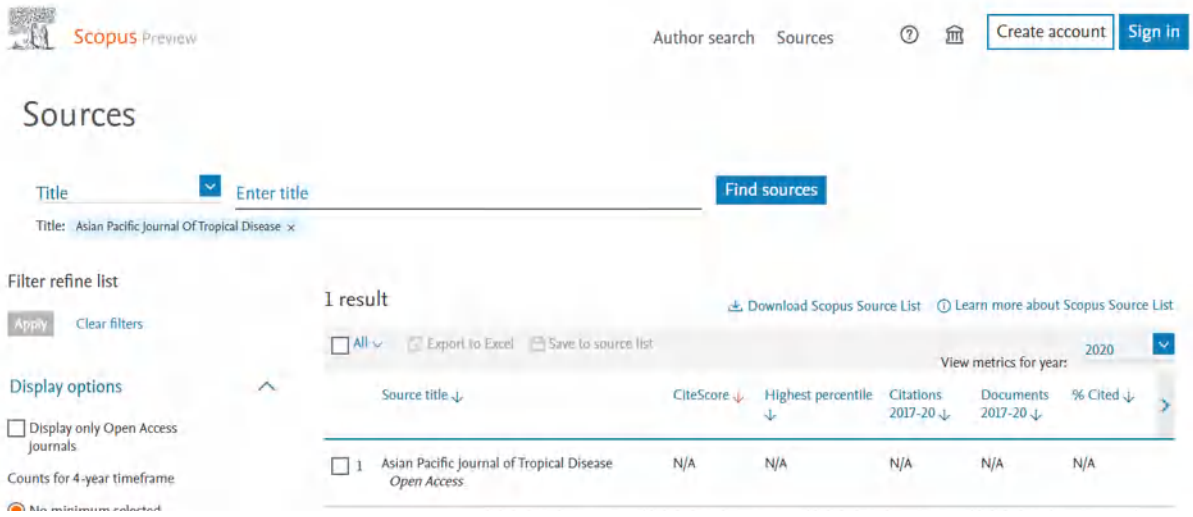
Meenaa Venkataramani [a], Sasikumar Chinnagounder [a], Sriram Sridharan [b], Kavitha Srilakshmi Janakiraman [a]

[a] PG and Research Department of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, Tamilnadu, India

[b] Centre for Advanced Research in Indian System of Medicine (CARISM), SASTRA University, Thanjavur-613 401, Tamil Nadu, India

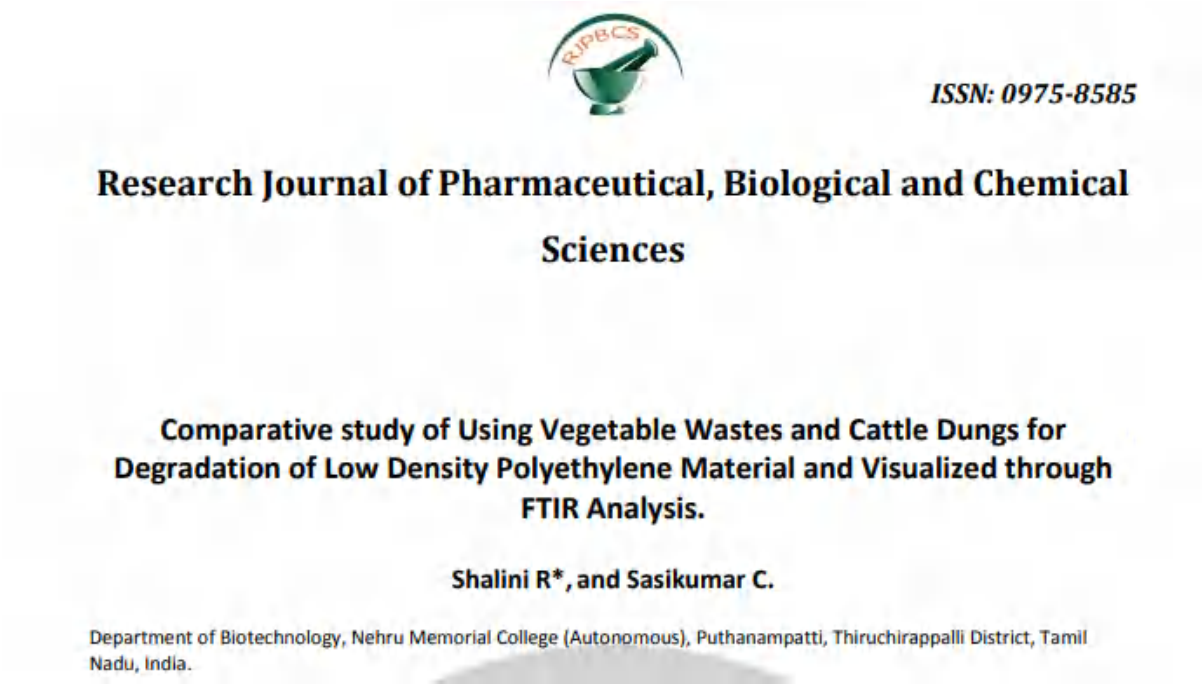
Received 19 October 2015, Accepted 20 December 2015, Available online 29 April 2016.

Scopus



Comparative study of using vegetable wastes and cattle dungs for degradation of low density polyethylene material and visualized through FTIR Analysis

DOI:10.13140/RG.2.1.1776.1366



ISSN: 0975-8585

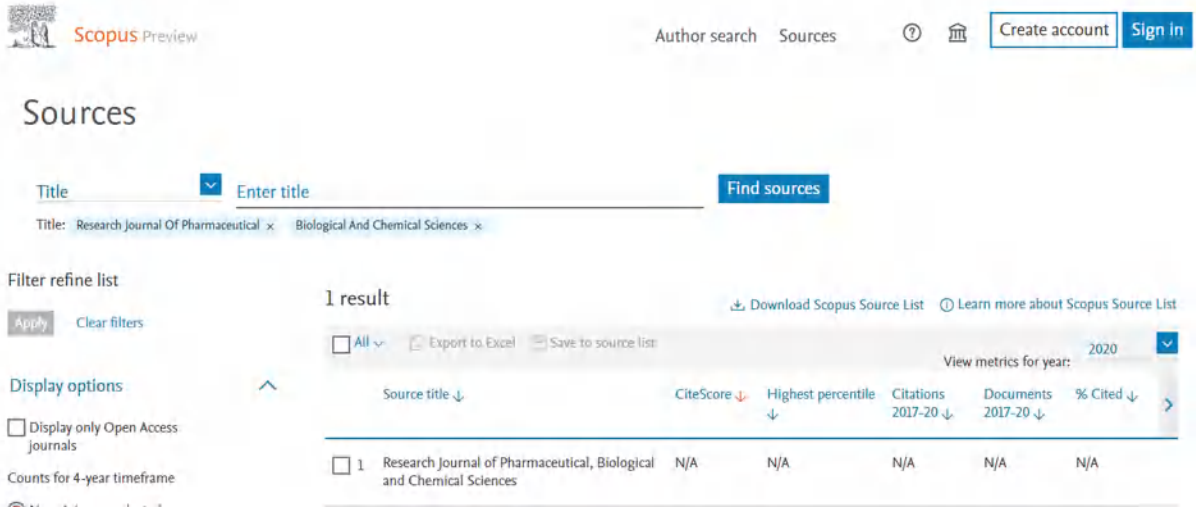
Research Journal of Pharmaceutical, Biological and Chemical Sciences

Comparative study of Using Vegetable Wastes and Cattle Dungs for Degradation of Low Density Polyethylene Material and Visualized through FTIR Analysis.

Shalini R*, and Sasikumar C.

Department of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti, Thiruchirappalli District, Tamil Nadu, India.

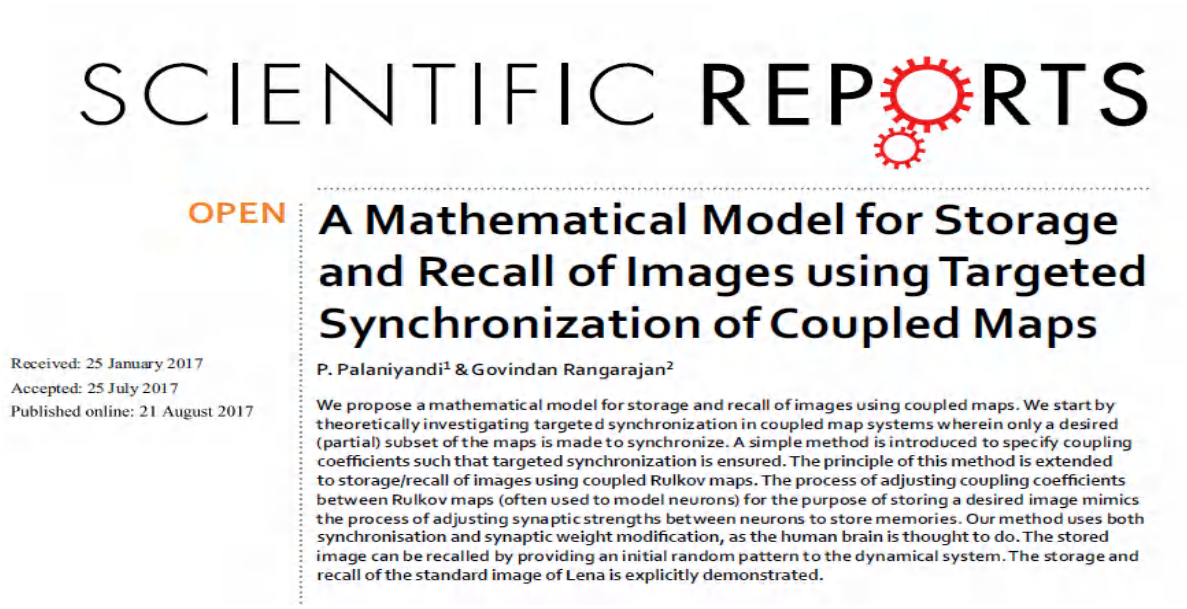
Scopus



2017-2018

A Mathematical Model for Storage and Recall of Images using Targeted Synchronization of Coupled Maps

DOI:10.1038/s41598-017-09440-6



SCIENTIFIC REPORTS

OPEN

A Mathematical Model for Storage and Recall of Images using Targeted Synchronization of Coupled Maps

Received: 25 January 2017
Accepted: 25 July 2017
Published online: 21 August 2017

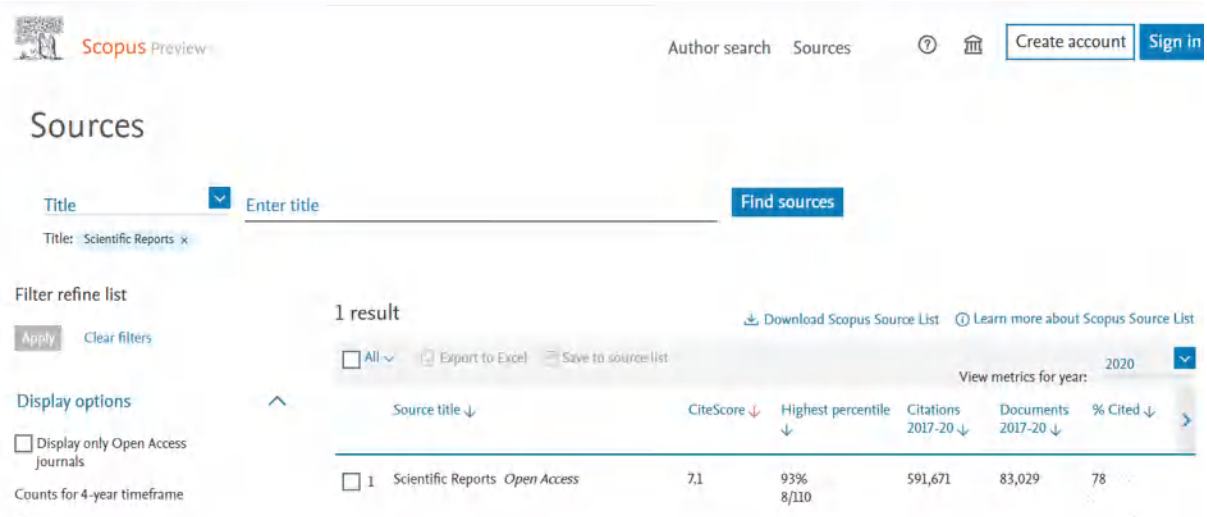
P. Palaniyandi[1] & Govindan Rangarajan[2]

We propose a mathematical model for storage and recall of images using coupled maps. We start by theoretically investigating targeted synchronization in coupled map systems wherein only a desired (partial) subset of the maps is made to synchronize. A simple method is introduced to specify coupling coefficients such that targeted synchronization is ensured. The principle of this method is extended to storage/recall of images using coupled Rulkov maps. The process of adjusting coupling coefficients between Rulkov maps (often used to model neurons) for the purpose of storing a desired image mimics the process of adjusting synaptic strengths between neurons to store memories. Our method uses both synchronisation and synaptic weight modification, as the human brain is thought to do. The stored image can be recalled by providing an initial random pattern to the dynamical system. The storage and recall of the standard image of Lena is explicitly demonstrated.

1. **Department of Physics, Nehru Memorial College, Puthanampatti, Tamil Nadu, India**
   P. Palaniyandi

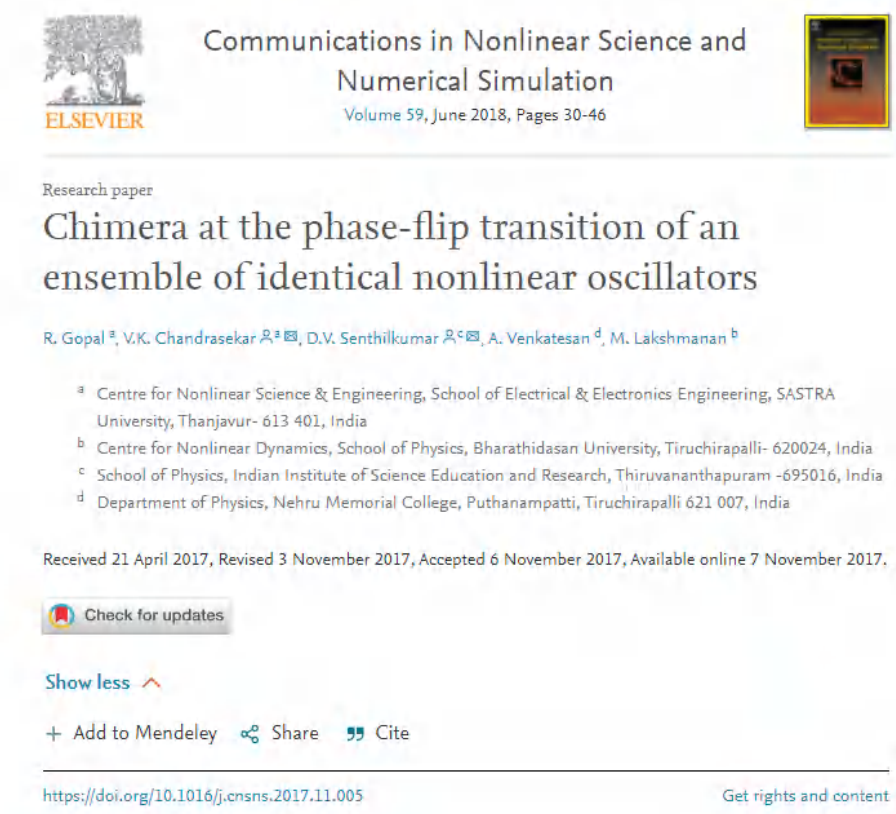
2. **Department of Mathematics and Centre for Neuroscience, Indian Institute of Science, Bangalore, India**
   Govindan Rangarajan

Scopus



Chimera at the phase-flip transition of an ensemble of identical nonlinear oscillators

https://doi.org/10.1016/j.cnsns.2017.11.005



Communications in Nonlinear Science and Numerical Simulation
Volume 59, June 2018, Pages 30-46

Research paper

Chimera at the phase-flip transition of an ensemble of identical nonlinear oscillators

R. Gopal [a], V.K. Chandrasekar [a] ✉, D.V. Senthilkumar [c] ✉, A. Venkatesan [d], M. Lakshmanan [b]

[a] Centre for Nonlinear Science & Engineering, School of Electrical & Electronics Engineering, SASTRA University, Thanjavur- 613 401, India
[b] Centre for Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirapalli- 620024, India
[c] School of Physics, Indian Institute of Science Education and Research, Thiruvananthapuram -695016, India
[d] Department of Physics, Nehru Memorial College, Puthanampatti, Tiruchirapalli 621 007, India

Received 21 April 2017, Revised 3 November 2017, Accepted 6 November 2017, Available online 7 November 2017.

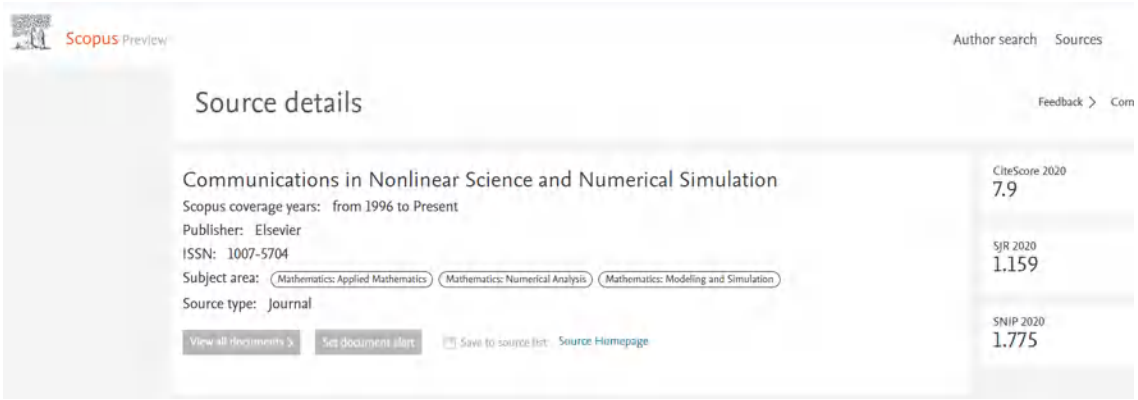
Check for updates

Show less

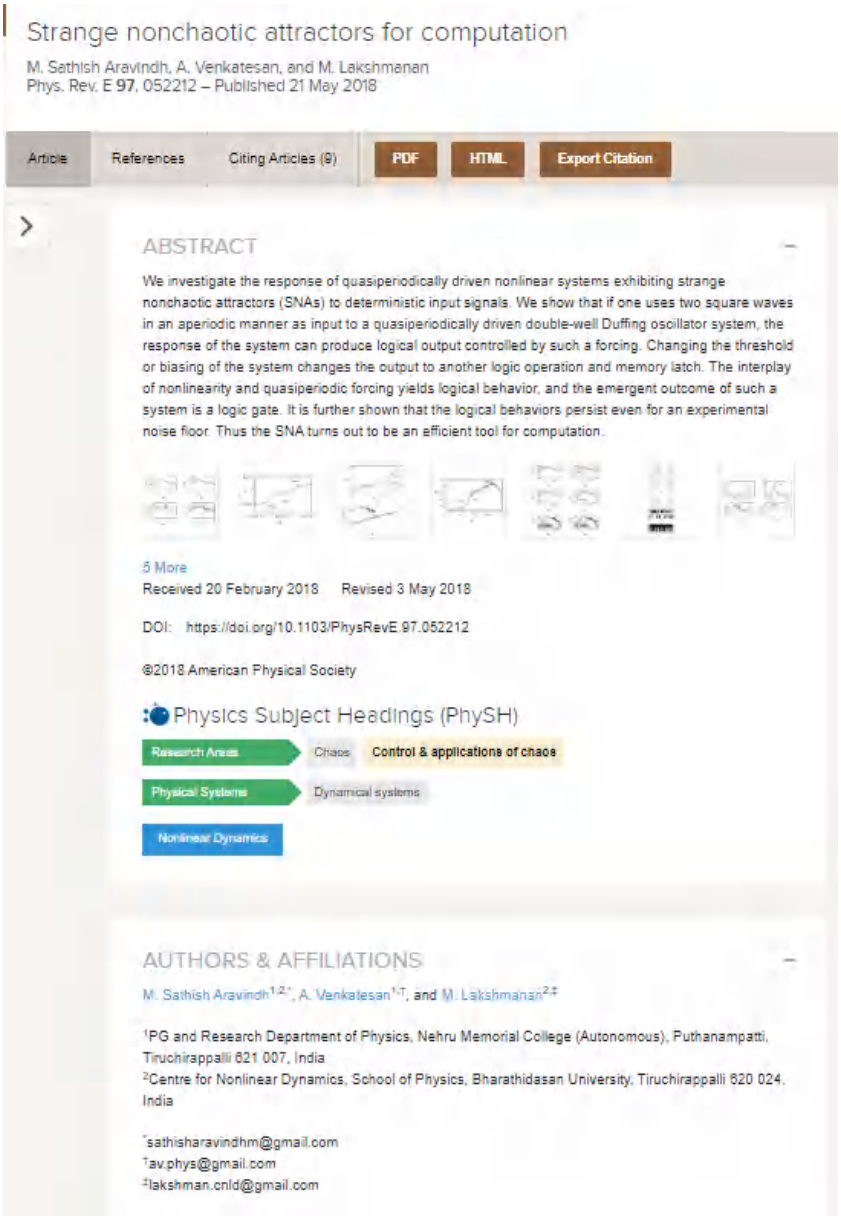
+ Add to Mendeley Share Cite

https://doi.org/10.1016/j.cnsns.2017.11.005 Get rights and content

Scopus



Strange nonchaotic attractors for computation



Strange nonchaotic attractors for computation

M. Sathish Aravindh, A. Venkatesan, and M. Lakshmanan
Phys. Rev. E **97**, 052212 – Published 21 May 2018

Article | References | Citing Articles (9) | PDF | HTML | Export Citation

ABSTRACT

We investigate the response of quasiperiodically driven nonlinear systems exhibiting strange nonchaotic attractors (SNAs) to deterministic input signals. We show that if one uses two square waves in an aperiodic manner as input to a quasiperiodically driven double-well Duffing oscillator system, the response of the system can produce logical output controlled by such a forcing. Changing the threshold or biasing of the system changes the output to another logic operation and memory latch. The interplay of nonlinearity and quasiperiodic forcing yields logical behavior, and the emergent outcome of such a system is a logic gate. It is further shown that the logical behaviors persist even for an experimental noise floor. Thus the SNA turns out to be an efficient tool for computation.

5 More

Received 20 February 2018 Revised 3 May 2018

DOI: https://doi.org/10.1103/PhysRevE.97.052212

Physics Subject Headings (PhySH)

Research Areas: Chaos; Control & applications of chaos
Physical Systems: Dynamical systems
Nonlinear Dynamics

AUTHORS & AFFILIATIONS

M. Sathish Aravindh[1,2,*], A. Venkatesan[1,†], and M. Lakshmanan[2,‡]

[1]PG and Research Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli 621 007, India
[2]Centre for Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirappalli 620 024, India

*sathisharavindhm@gmail.com
†av.phys@gmail.com
‡lakshman.cnld@gmail.com

DOI:

Scopus

Scopus Preview

Author search Sources

Source details

Feedback > Compare source

Physical Review E

Scopus coverage years: from 1993 to Present
Publisher: American Physical Society
ISSN: 2470-0045 E-ISSN: 2470-0053
Subject area: Mathematics: Statistics and Probability | Physics and Astronomy: Statistical and Nonlinear Physics | Physics and Astronomy: Condensed Matter Physics
Source type: Journal

View all documents > | Set document alert | Save to source list

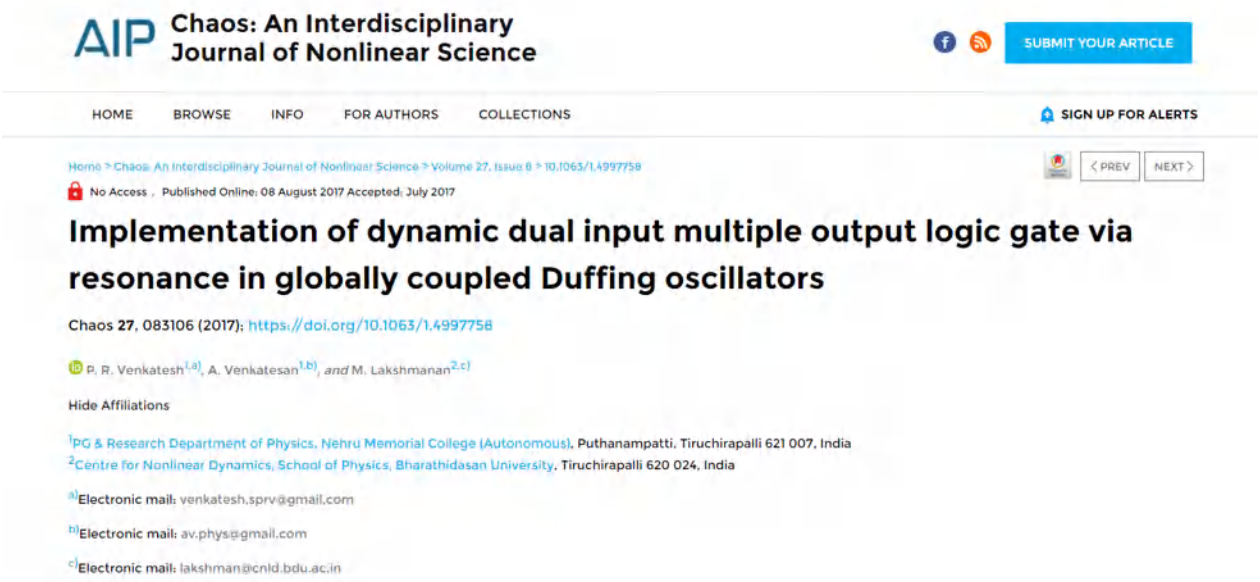
CiteScore 2020
4.3

SJR 2020
0.896

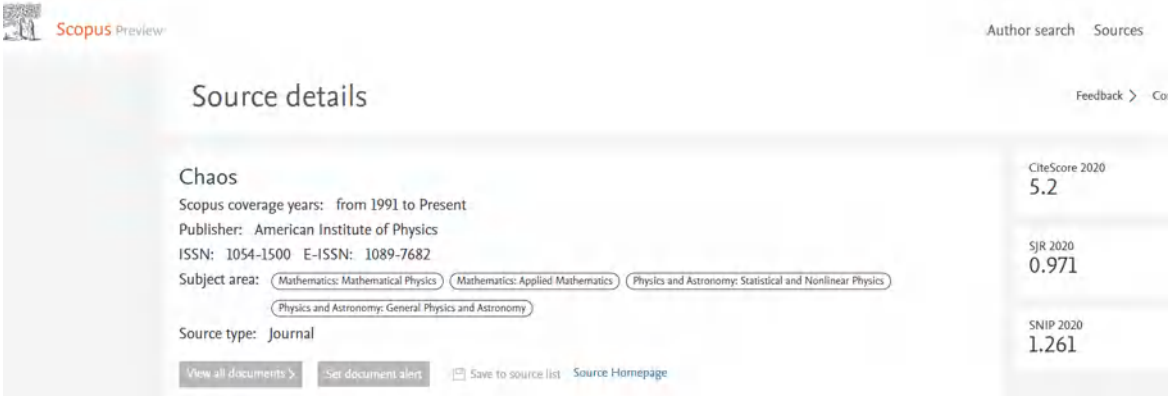
SNIP 2020
1.009

Implementation of dynamic dual input multiple output logic gate via resonance in globally coupled Duffing oscillators

Doi = https://doi.org/10.1063/1.4997758

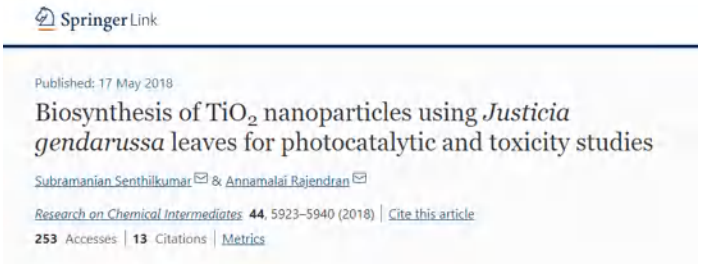


Scopus



Biosynthesis of TiO2 nanoparticles using Justiciagendarussa leaves for photocatalytic and toxicity studies

Doi = https://doi.org/10.1007/s11164-018-3464-3



Springer Link

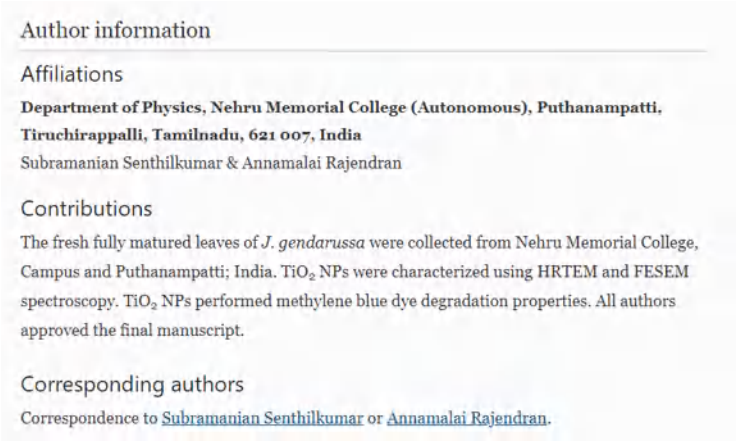
Published: 17 May 2018

Biosynthesis of TiO_2 nanoparticles using *Justicia gendarussa* leaves for photocatalytic and toxicity studies

Subramanian Senthilkumar & Annamalai Rajendran

Research on Chemical Intermediates **44**, 5923–5940 (2018) | Cite this article

253 Accesses | **13** Citations | Metrics



Author information

Affiliations

Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, Tamilnadu, 621 007, India

Subramanian Senthilkumar & Annamalai Rajendran

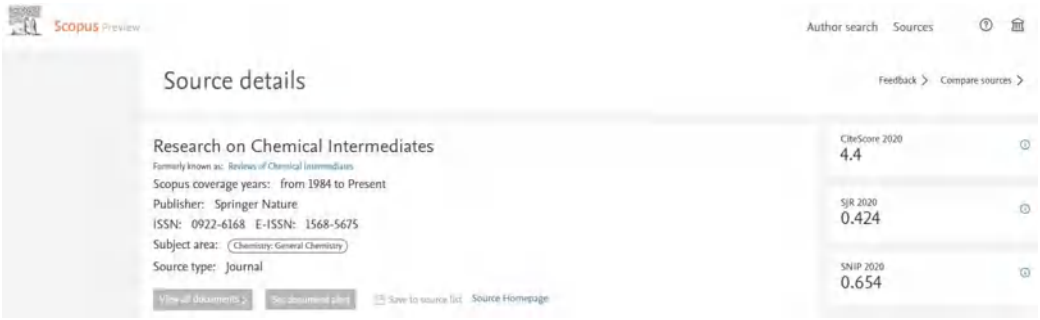
Contributions

The fresh fully matured leaves of *J. gendarussa* were collected from Nehru Memorial College, Campus and Puthanampatti; India. TiO_2 NPs were characterized using HRTEM and FESEM spectroscopy. TiO_2 NPs performed methylene blue dye degradation properties. All authors approved the final manuscript.

Corresponding authors

Correspondence to Subramanian Senthilkumar or Annamalai Rajendran.

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Compare sources >

Research on Chemical Intermediates

Formerly known as: Reviews of Chemical Intermediates

Scopus coverage years: from 1984 to Present

Publisher: Springer Nature

ISSN: 0922-6168 E-ISSN: 1568-5675

Subject area: Chemistry: General Chemistry

Source type: Journal

View all documents > Set document alert Save to source list Source Homepage

CiteScore 2020 4.4

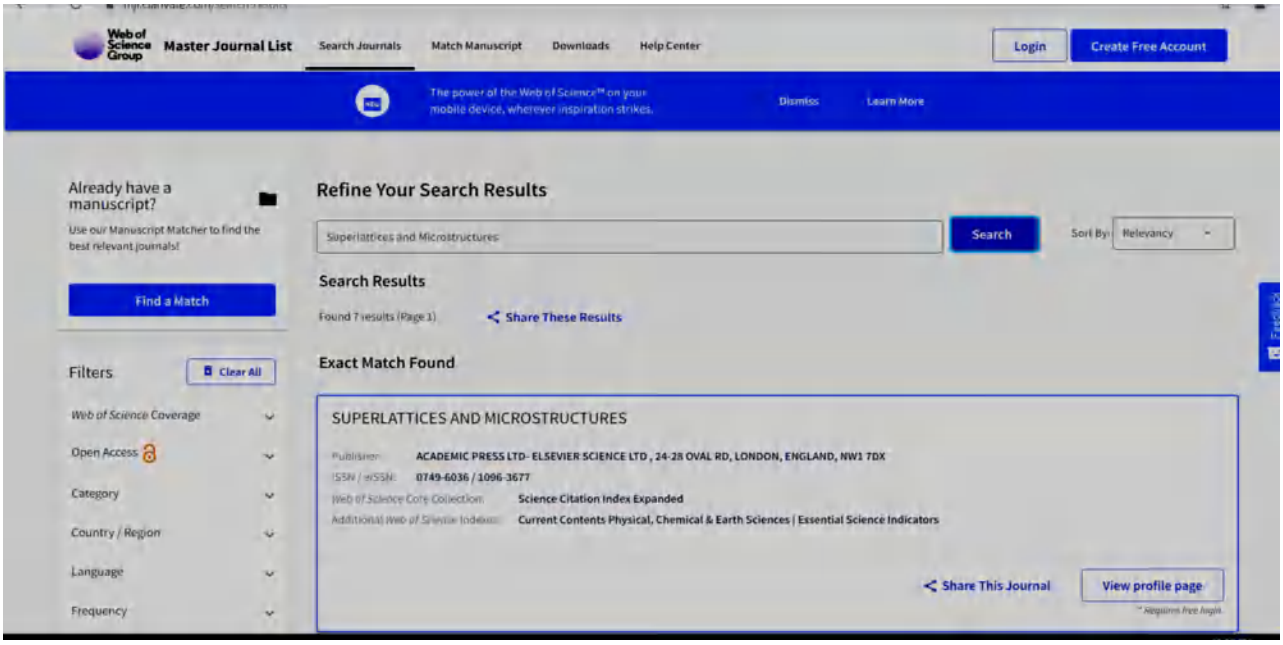
SJR 2020 0.424

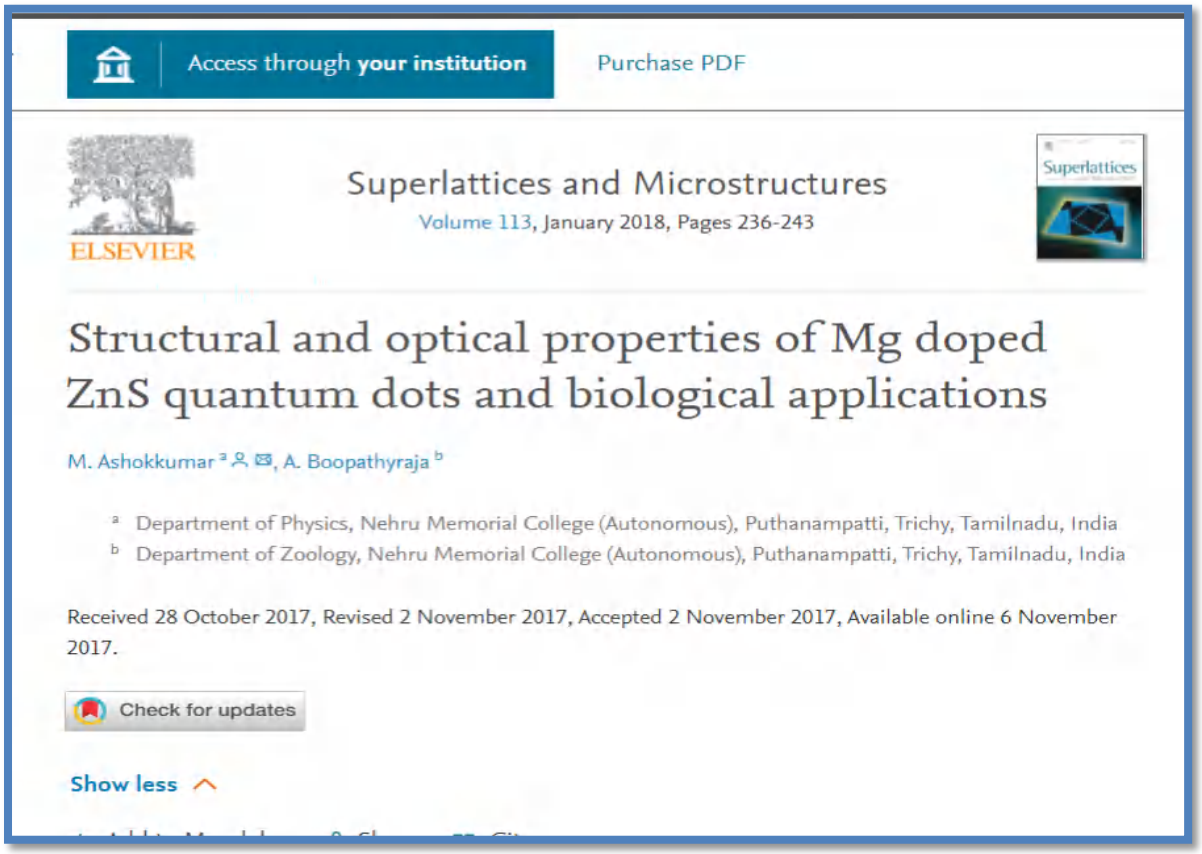
SNIP 2020 0.654

Ashokkumar M., Boopathyraja A. 2018.

Structural and optical properties of Mg doped ZnS quantum dots and biological applications. *Superlattices and microstructures.* *113: 236-244.*

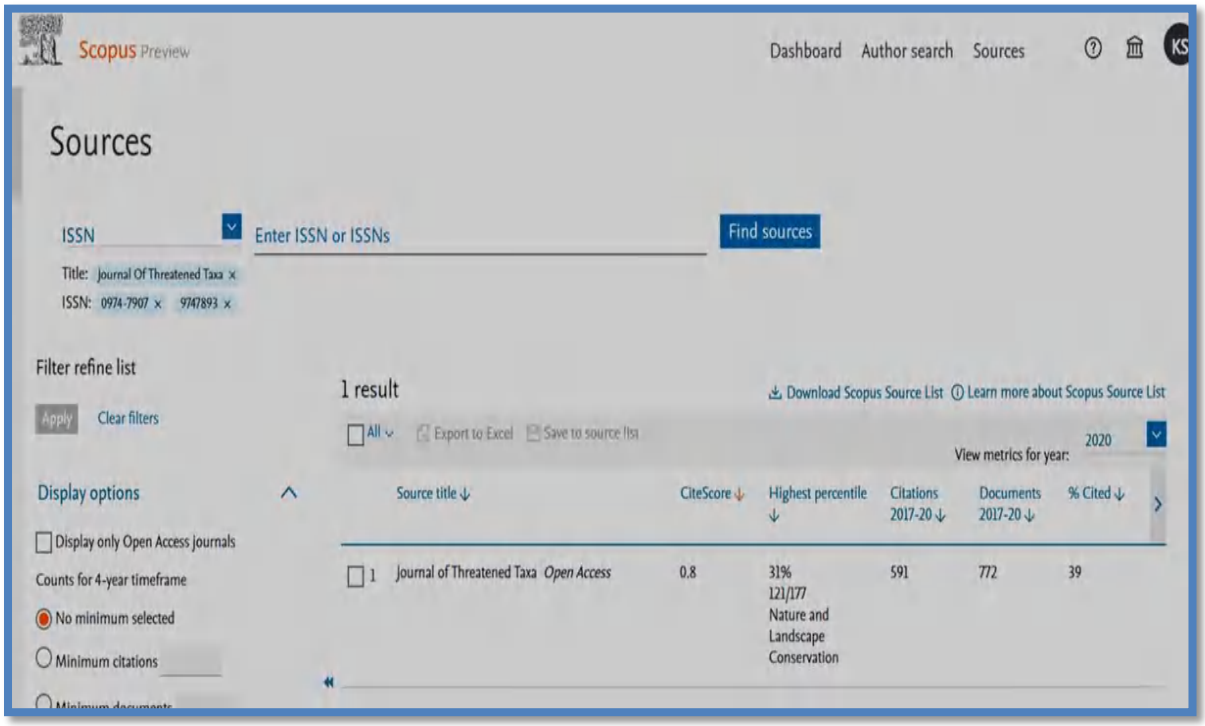
https://www.sciencedirect.com/science/article/abs/pii/S0749603617325776





Siva T., and **Neelanarayanan P.** 2017.
First record of migratory Grey-necked Bunting Emberiza buchanani Blyth, 1844 (Aves: Passeriformes: Emberizidae) as a winter visitor in

Tiruchirappalli District, Tamil Nadu, India. ***Journal of Threatened Taxa***.
http://doi.org/10.11609/jott.3809.9.12.11095-11096




Journal of Threatened Taxa | www.threatenedtaxa.org | 26 December 2017 | 9(12): 11095–11096

FIRST RECORD OF MIGRATORY GREY-NECKED BUNTING *EMBERIZA BUCHANANI* BLYTH, 1844 (AVES: PASSERIFORMES: EMBERIZIDAE) AS A WINTER VISITOR IN TIRUCHIRAPPALLI DISTRICT, TAMIL NADU, INDIA

T. Siva [1] & P. Neelanarayanan [2]

[1-2] Centre for Eco-friendly Agro-Technologies (CEAT), Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India
[1] sivanaturewild@gmail.com (corresponding author), [2] dr.pnn31@gmail.com

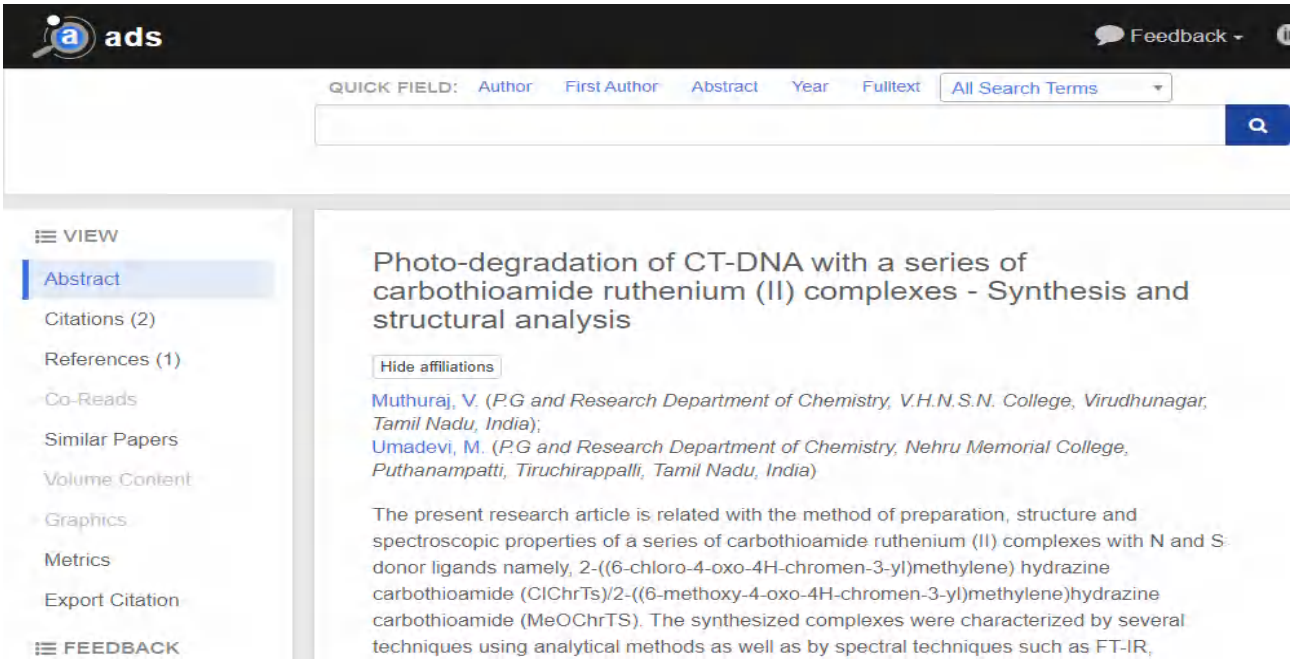
ISSN 0974-7907 (Online)
ISSN 0974-7893 (Print)
OPEN ACCESS

The Grey-necked Bunting or Grey-hooded Bunting belongs to the family Embrizidae. Published information available on this bird in India is very limited. The species is found in Afghanistan, Armenia, Azerbaijan, Bhutan, Nepal, China, Hong Kong, India, Iran, Israel, Kazakhstan, Mongolia, Oman, Pakistan, Russia, Syria, Tajikistan, Turkey, Turkmenistan, and Uzbekistan (BirdLife International 2017). Besides, this bunting is also reported from Africa, West Asia and South Asia during winter (Yosef 2001). It breeds in Baluchistan, Pakistan and winters mainly in Pakistan and central and western India, especially in Gujarat (Grimmett et al. 2011). It has been regularly recorded moving through Gujarat from September to March (Madge 2017). The Grey-covered with low thorn scrub. The food habit of the species is seeds, plant shoots and during breeding season the chicks are fed with small invertebrates particularly insects such as weevils, beetles, bugs, ants, grasshoppers and snails (Madge 2017). The nest is built by the female and is well hidden under vegetation or a sheltering boulder, on the ground.

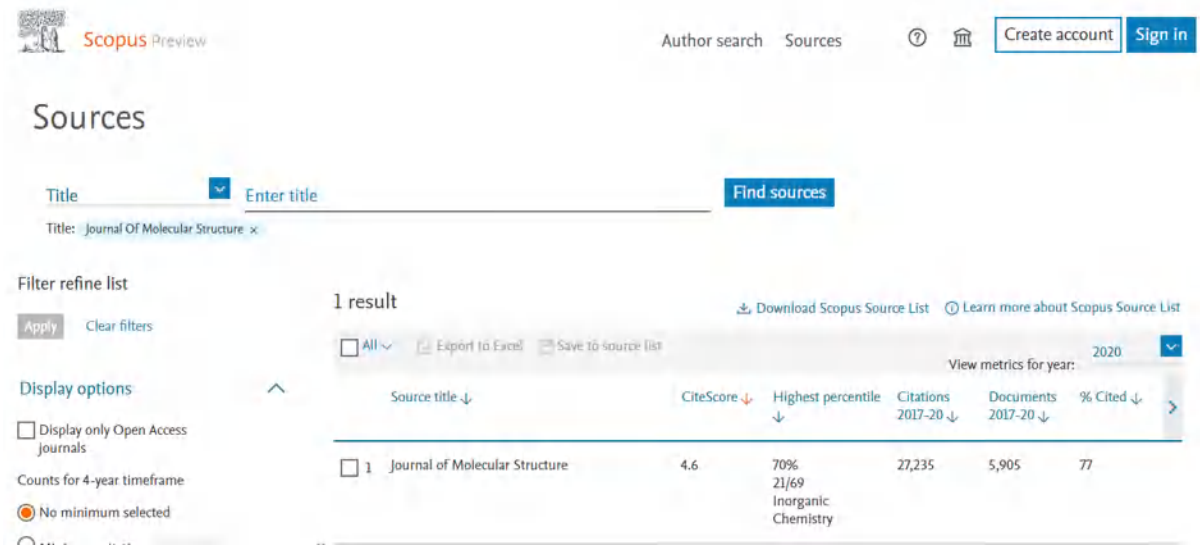
First sighting at Tiruchirappalli District: Devanoorputhur (11.10638889 N & 78.42694444 E) is a village in Tiruchirappalli District of Tamil Nadu. This area has many rocky hillocks which are situated mostly in the dry and open habitats. The locality's altitude is between 100 and 260. We observed and recorded a pair of Grey-necked Buntings for the first time on 21 November 2015. The birds were sitting on a branch of a thorn shrub *Flueggea leucopyrus*. The area is mainly dry with open habitats, scrubby areas and small hillocks covered with low thorn shrubs. The birds were photographed and later identified using a field guide (Grimmett et al. 2011) as Grey-necked Bunting. Later, this first sighting was recorded and entered in the ebird checklist (www.ebird.org-http://ebird.org/ebird/view/checklist/S25959736). The second sighting of Grey-necked Bunting was on 20 January 2017. The birds were observed and recorded

Photo-degradation of CT-DNA with a series of carbothioamide ruthenium (II) complexes â€“ Synthesis and structural analysis

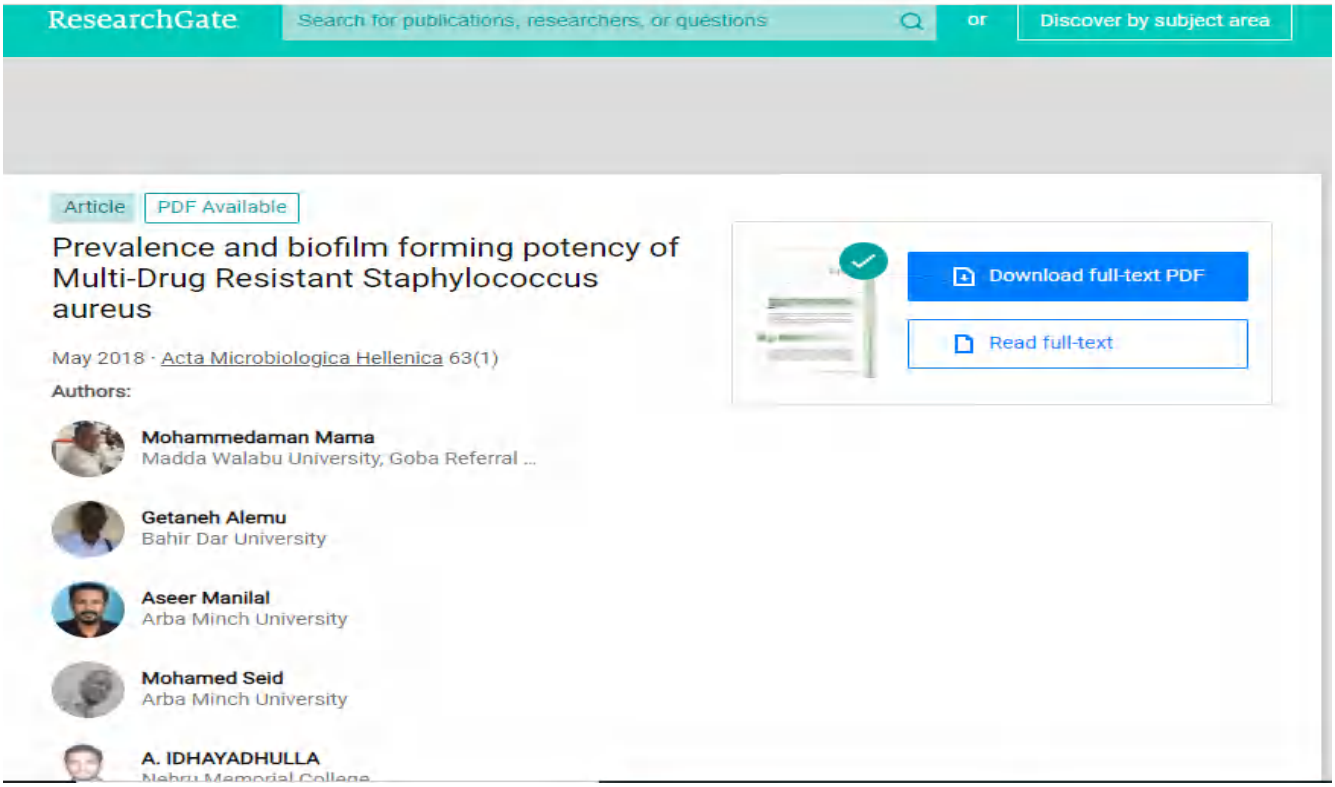
10.1016/j.molstruc.2017.10.103



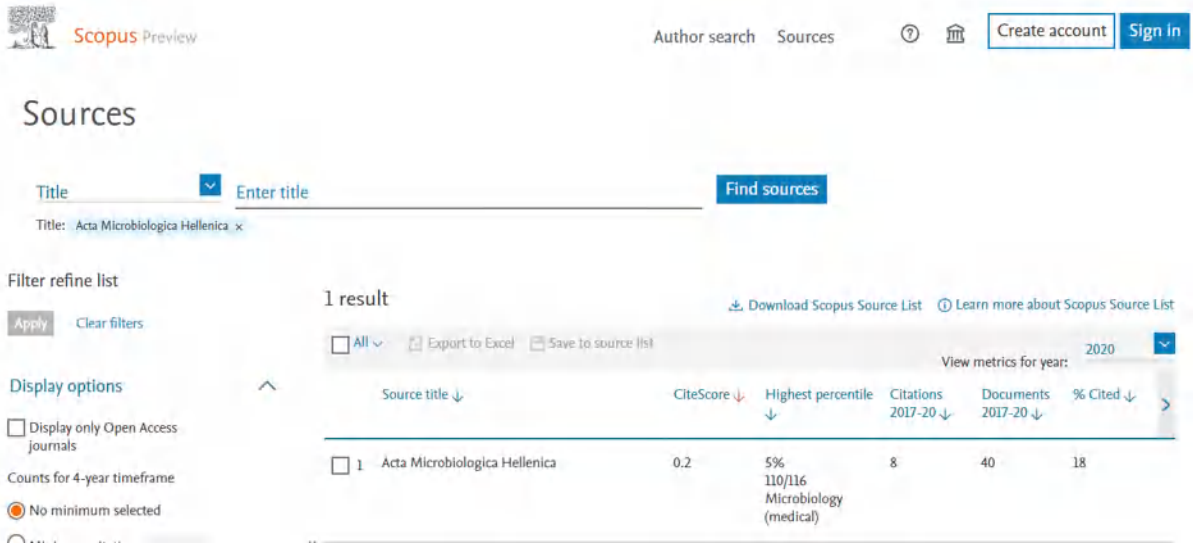
Scopus



Prevalence and biofilm forming potency of multi-drug resistant Staphylococcus aureus among food handlers in Arba Minch University, South Ethiopia


ResearchGate
Search for publications, researchers, or questions
or
Discover by subject area
Article
PDF Available
Prevalence and biofilm forming potency of Multi-Drug Resistant Staphylococcus aureus
May 2018 · Acta Microbiologica Hellenica 63(1)
Authors:
Mohammedaman Mama
Madda Walabu University, Goba Referral ...
Getaneh Alemu
Bahir Dar University
Aseer Manilal
Arba Minch University
Mohamed Seid
Arba Minch University
A. IDHAYADHULLA
Download full-text PDF
Read full-text

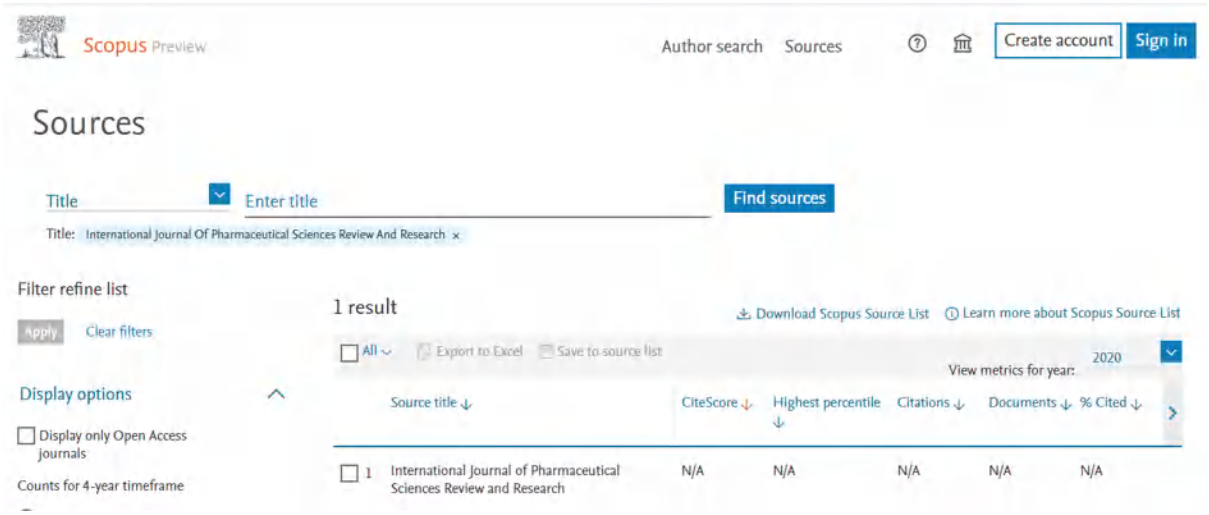
Scopus


Scopus Preview
Author search
Sources
Create account
Sign in
Sources
Title
Enter title
Find sources
Title: Acta Microbiologica Hellenica
Filter refine list
Apply
Clear filters
Display options
Display only Open Access journals
Counts for 4-year timeframe
No minimum selected
1 result
Download Scopus Source List
Learn more about Scopus Source List
All
Export to Excel
Save to source list
View metrics for year:
2020
Source title
CiteScore
Highest percentile
Citations 2017-20
Documents 2017-20
% Cited
1
Acta Microbiologica Hellenica
0.2
5%
110/116
Microbiology (medical)
8
40
18

In-Vitro Antibacterial And Cytotoxicity Evaluation Of Some Novel Tetrazole Derivatives,

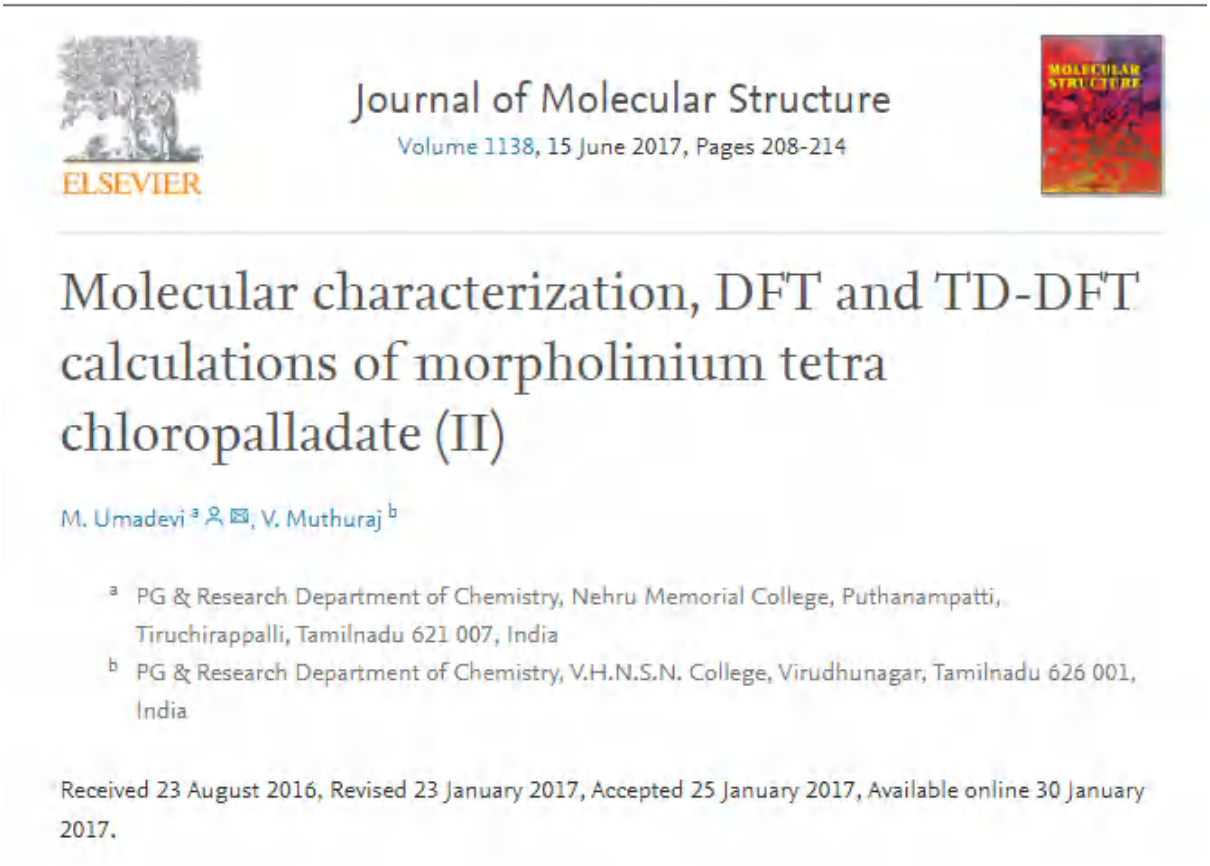
doi: 10.13040/IJPSR.0975-8232.9(8).3322-27.

Scopus



Molecular characterization, DFT and TD-DFT calculations of morpholinium tetra chloropalladate (II)

doi.org/10.1016/j.molstruc.2017.01.073



ELSEVIER

Journal of Molecular Structure
Volume 1138, 15 June 2017, Pages 208-214

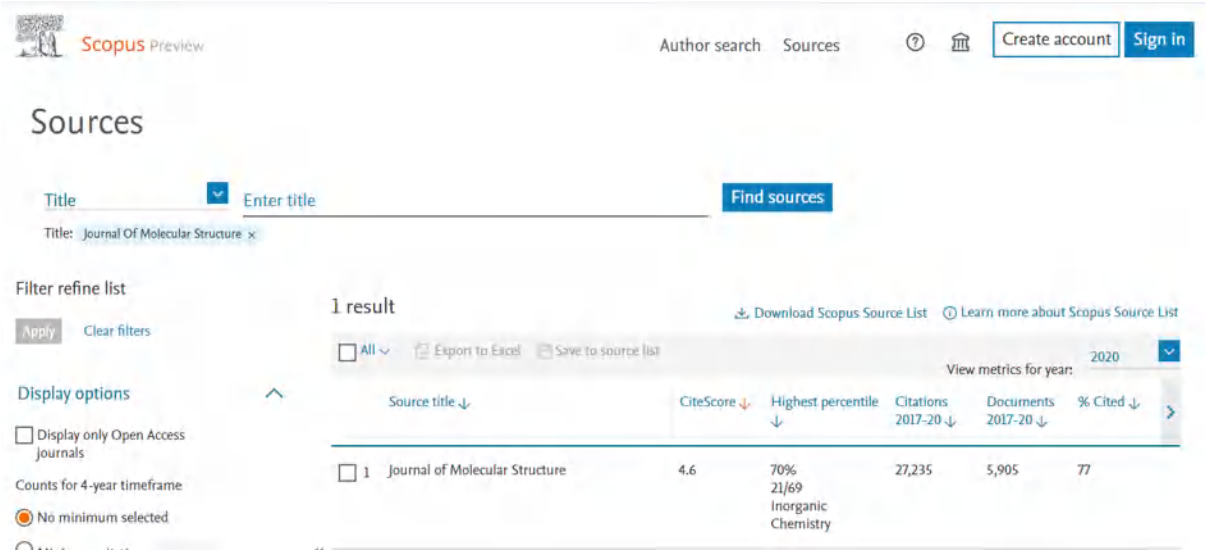
Molecular characterization, DFT and TD-DFT calculations of morpholinium tetra chloropalladate (II)

M. Umadevi [a], V. Muthuraj [b]

[a] PG & Research Department of Chemistry, Nehru Memorial College, Puthanampatti, Tiruchirappalli, Tamilnadu 621 007, India
[b] PG & Research Department of Chemistry, V.H.N.S.N. College, Virudhunagar, Tamilnadu 626 001, India

Received 23 August 2016, Revised 23 January 2017, Accepted 25 January 2017, Available online 30 January 2017.

Scopus



CuII-Tyrosinase Enzyme Catalyst-Mediated Synthesis of 2-Thioxopyrimidine Derivatives with Potential Mosquito Larvicidal Activity: Spectroscopic and Computational Investigation as well as Molecular Docking Interaction with OBPs of Culexquinquefasciatus

doi.org/10.1002/slct.202000060

ChemistrySelect | Full Papers
doi.org/10.1002/slct.202000060

Biological Chemistry & Chemical Biology

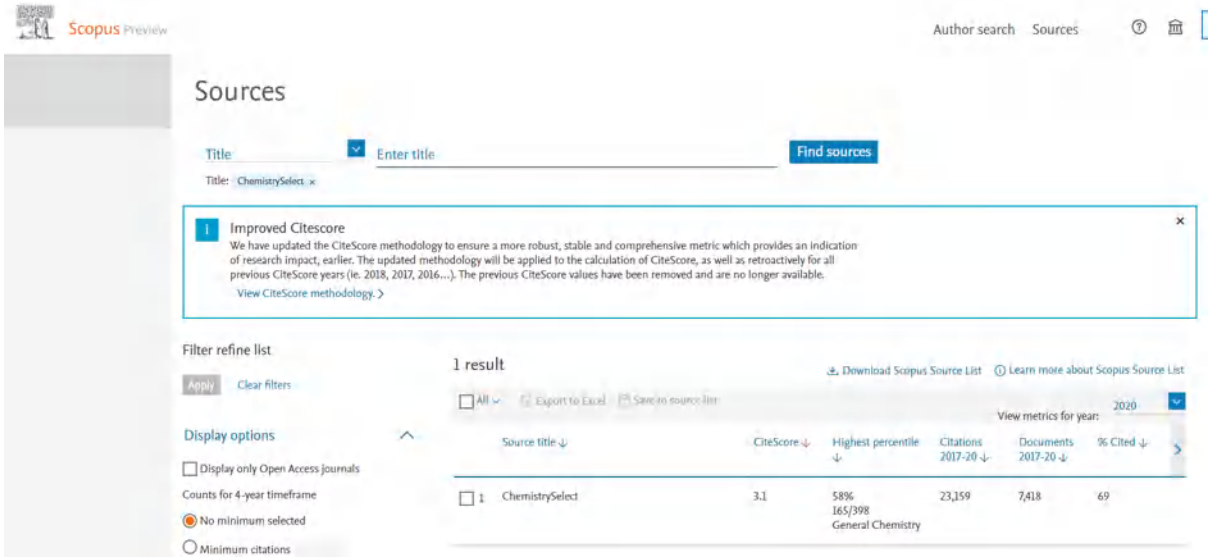
Cu^{II}-Tyrosinase Enzyme Catalyst-Mediated Synthesis of 2-Thioxopyrimidine Derivatives with Potential Mosquito Larvicidal Activity: Spectroscopic and Computational Investigation as well as Molecular Docking Interaction with OBPs of *Culex quinquefasciatus***

Chidambaram SathishKumar,[a] Selvaraj Keerthana,[a] Anis Ahamed,[b] Ibrahim A. Arif,[b] Radhakrishnan SurendraKumar,[a] and Akbar Idhayadhulla*[a]

Authors Affiliations

[a] *C. SathishKumar, S. Keerthana, Dr. R. SurendraKumar, Dr. A. Idhayadhulla*
Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan University),Puthanampatti -621007, Tiruchirappalli District, Tamil Nadu, South India
E-mail: a.idhayadhulla@gmail.com
idhayadhulla@nmc.ac.in
[b] *A. Ahamed, Prof. Dr. I. A. Arif*
Prince Sultan Research Chair for Environment and Wildlife, Department of Botany & Microbiology, College of Sciences, King Saud University (KSU), Riyadh, Saudi Arabia.
[**] *OBP = odorant-binding protein.*
Supporting information for this article is available on the WWW under https://doi.org/10.1002/slct.202000060

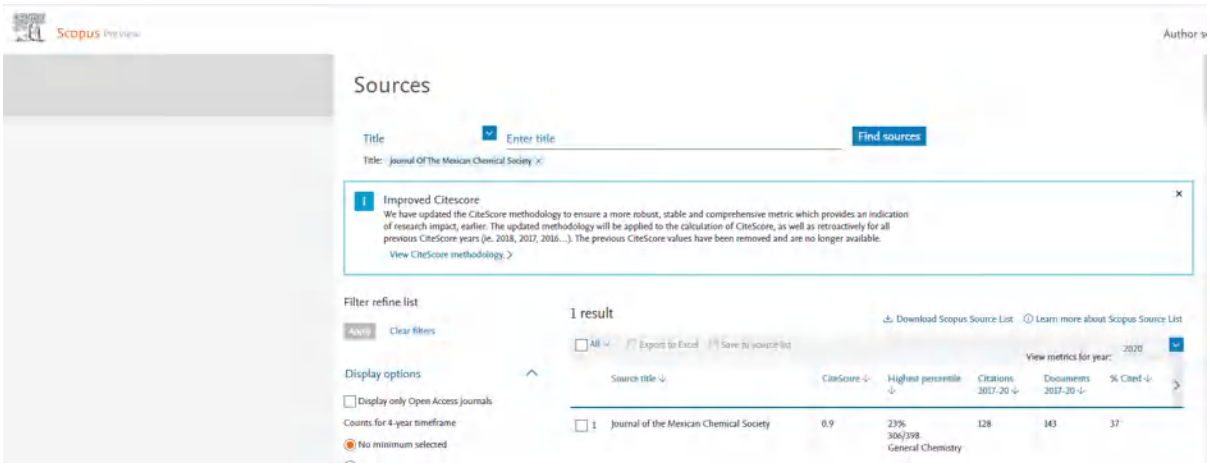
Scopus



Synthesis of novel pyridine-connected piperidine and 2H-thiopyran derivatives and their larvicidal, nematicidal, and antimicrobial activities

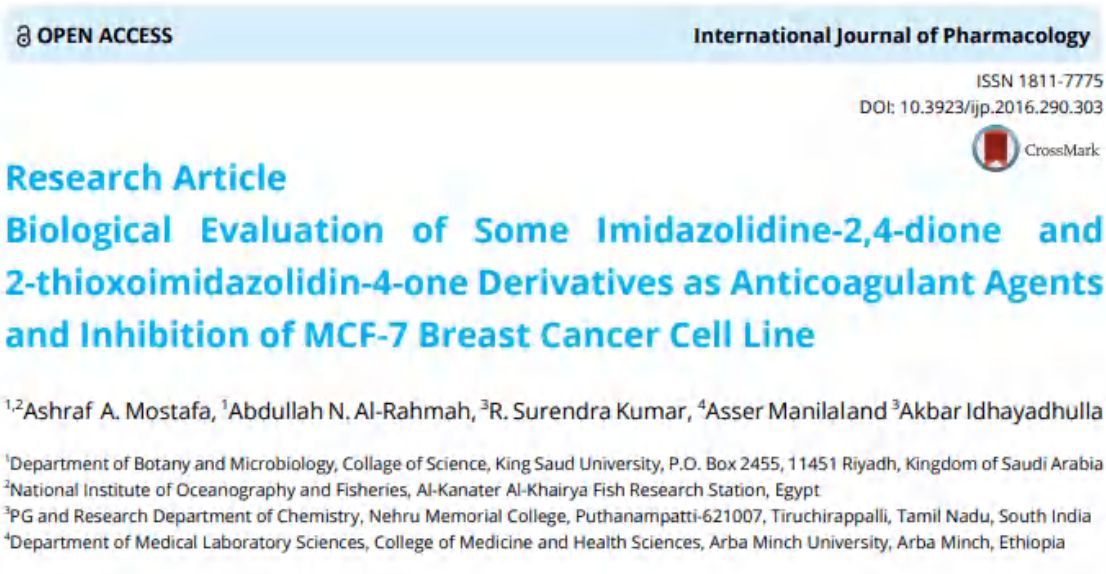
doi.org/10.29356/jmcs.v62i4.472

Scopus



Biological Evaluation of Some Imidazolidine-2,4-dione and 2-thioxoimidazolidin-4-one Derivatives as Anticoagulant Agents and Inhibition of MCF-7 Breast Cancer Cell Line

DOI number:10.3923/ijp.2016.290.303



OPEN ACCESS International Journal of Pharmacology

ISSN 1811-7775
DOI: 10.3923/ijp.2016.290.303

CrossMark

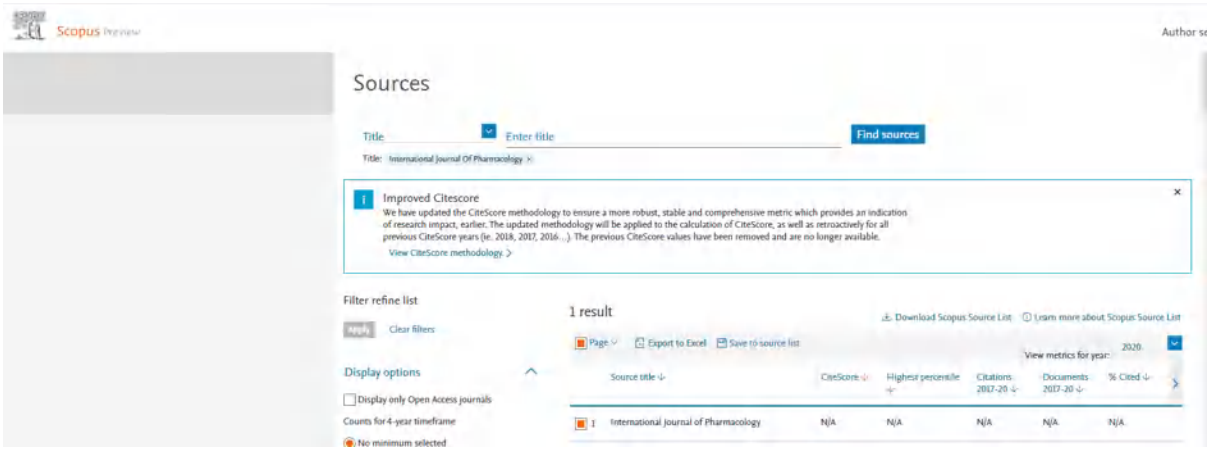
Research Article

Biological Evaluation of Some Imidazolidine-2,4-dione and 2-thioxoimidazolidin-4-one Derivatives as Anticoagulant Agents and Inhibition of MCF-7 Breast Cancer Cell Line

[1,2]Ashraf A. Mostafa, [1]Abdullah N. Al-Rahmah, [3]R. Surendra Kumar, [4]Asser Manilaland [3]Akbar Idhayadhulla

[1]Department of Botany and Microbiology, Collage of Science, King Saud University, P.O. Box 2455, 11451 Riyadh, Kingdom of Saudi Arabia
[2]National Institute of Oceanography and Fisheries, Al-Kanater Al-Khairya Fish Research Station, Egypt
[3]PG and Research Department of Chemistry, Nehru Memorial College, Puthanampatti-621007, Tiruchirappalli, Tamil Nadu, South India
[4]Department of Medical Laboratory Sciences, College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia

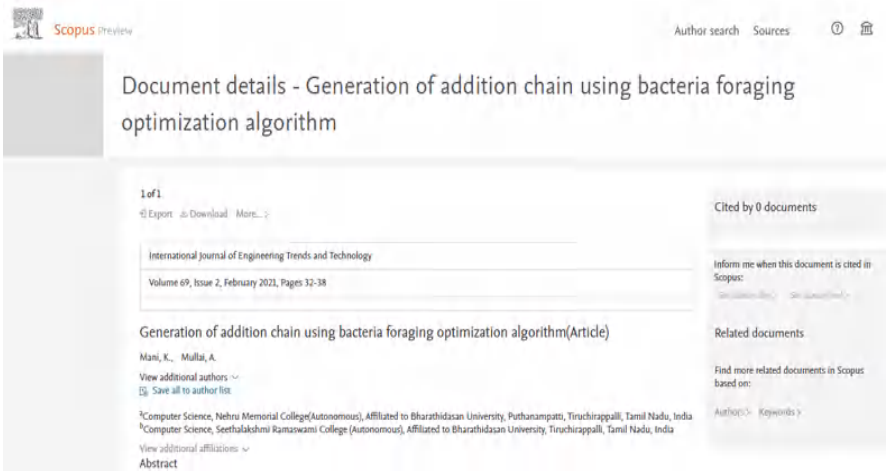
Scopus



Generation of addition chain using bacteria foraging optimization algorithm

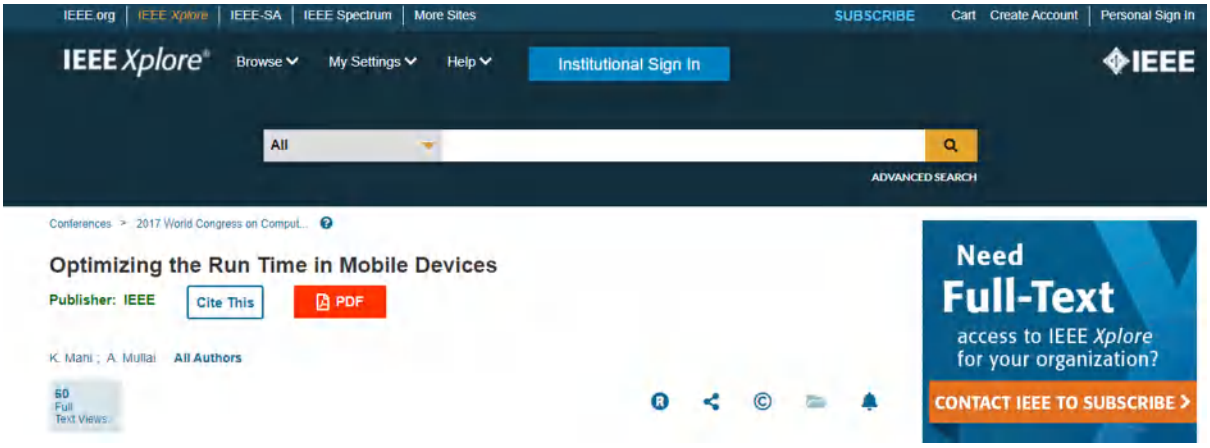
DOI: 10.14445/22315381/IJETT-V69I2P205

Scopus



Optimizing the Run Time in Mobile Devices

DOI: 10.1109/WCCCT.2016.23

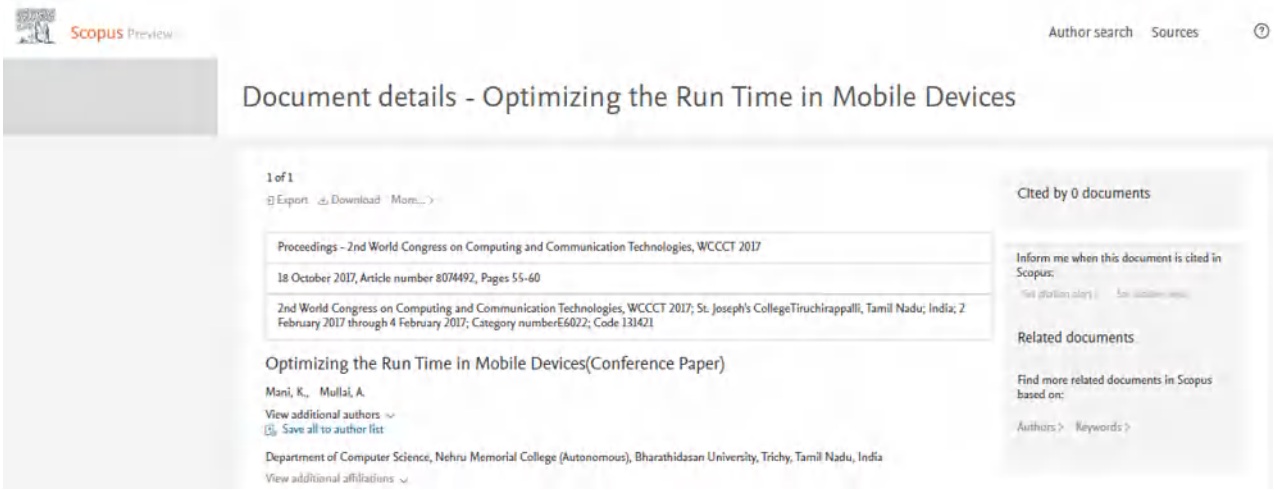


Authors

K. Mani
Department of Computer Science, Bharathidasan University, Trichy, Tamil Nadu, India

A. Mullai
Department of Computer Science, Bharathidasan University, Trichy, Tamil Nadu, India

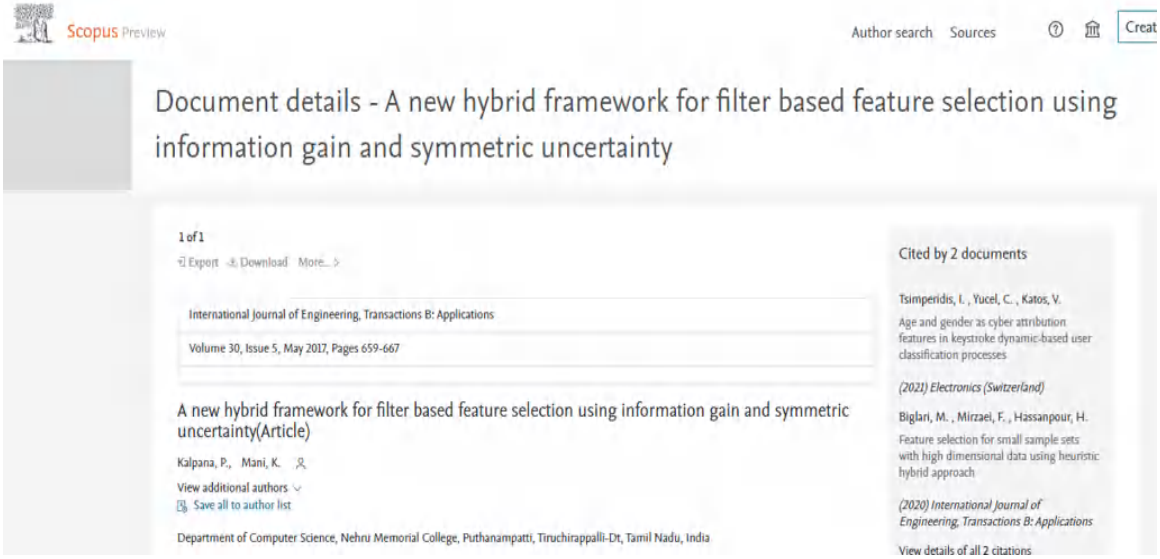
Scopus



A new hybrid framework for filter based feature selection using information gain and symmetric uncertainty

ISSN :1728144X

Scopus



MRImgEncA-Analysis and Enhancement of speed and Security in Public key Cryptography for image file

International Journal of Applied Engineering Research. ISSN 0973-4562 Vol. 10 No.82 (2015)
© Research India Publications: http://www.ripublication.com/ijaer.htm

MRImgEncA- Analysis and Enhancement of speed and security in Public key Cryptography for image file

Dr.D.I.George Amalarethinam
Asso.Prof, Director-MCA,
Jamal Mohamed College,
Trichy, India.
di_george@ymail.com

J.Sai Geetha
Asst.Prof in Computer Science,
Nehru Memorial College,
Trichy, India .
jsaigeetha99@gmail.com

Dr.K.Mani
Asso.Prof in Computer Science,
Nehru Memorial College,
Trichy, India .
nitishmanik@gmail.com

Scopus

Lloyd and minkowski based K-means clustering for effective diagnosis of heart disease and stroke

DOI: https://doi.org/10.15866/irecos.v10i6.6265

Praise Worthy Prize

International Review on Computers and Software (IRECOS)

Open Access Subscription or Fee Access

Lloyd and Minkowski Based K-Means Clustering for Effective Diagnosis of Heart Disease and Stroke

D. Nalini Muruganantham[1*], *R. Periasamy*[2]

[1] Department of Computer Science, Kurinji college of Arts and Science, India
[2] PG and Research Department of Computer Science, Nehru Memorial College (Autonomous), India
[*] *Corresponding author*

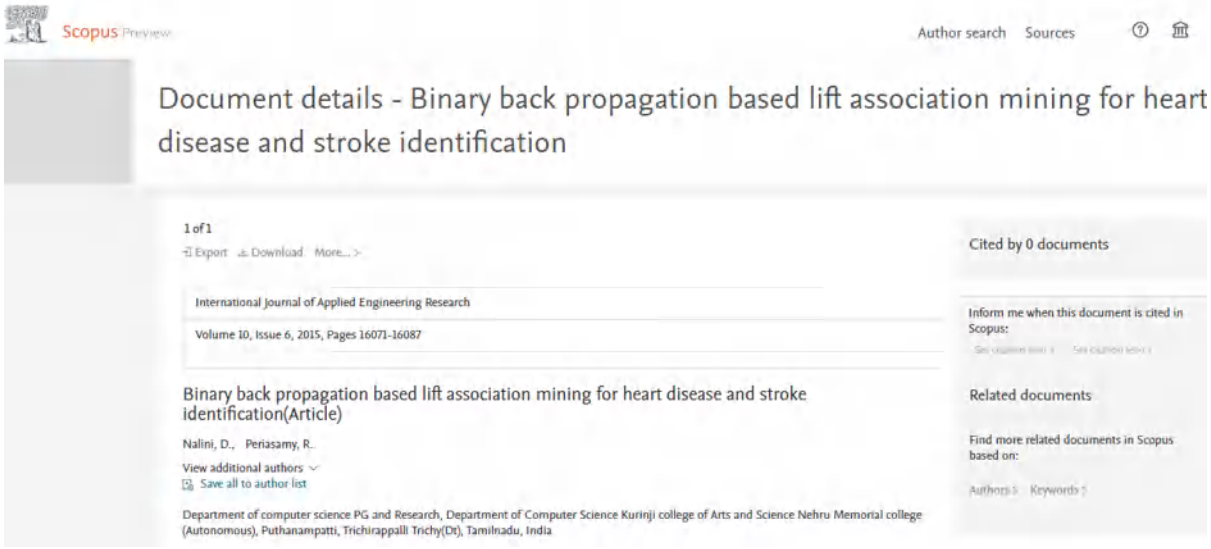
DOI: https://doi.org/10.15866/irecos.v10i6.6265

Scopus

Binary back propagation based lift association mining for heart disease and stroke identification

- 10(6):16071-16087

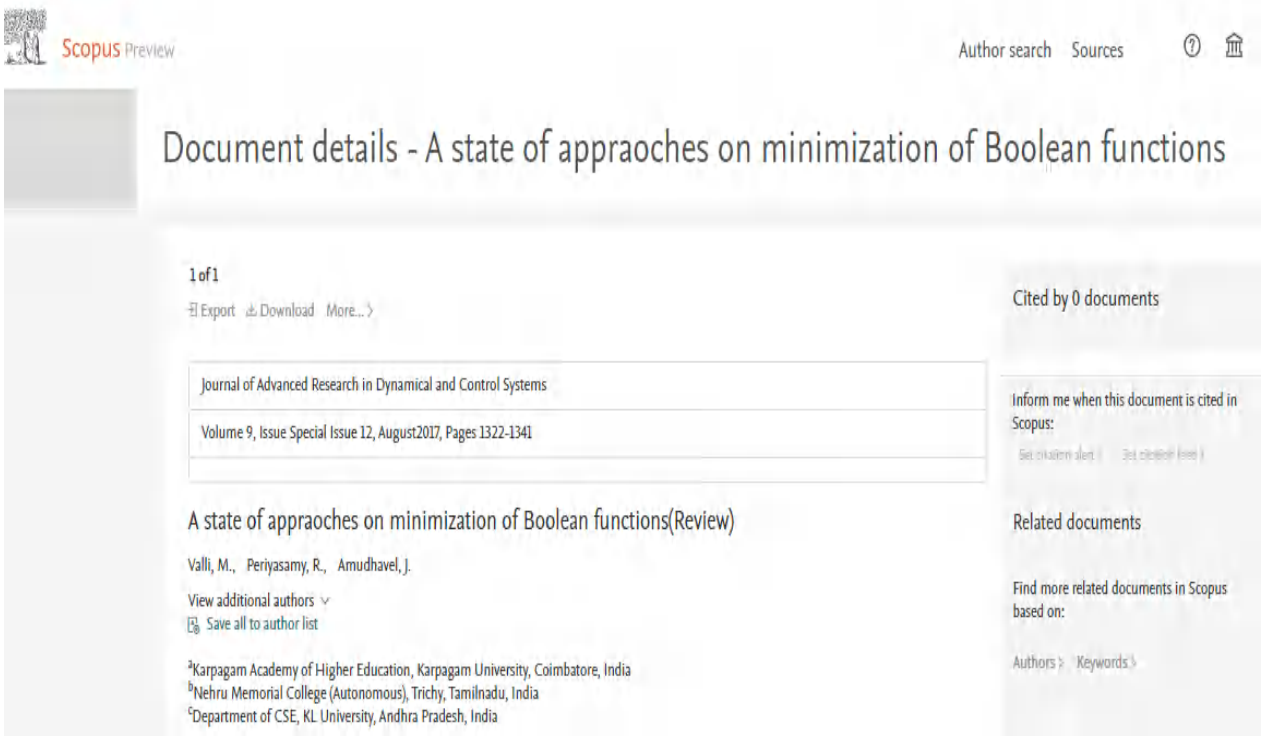
Scopus



A state of appraoches on minimization of Boolean functions

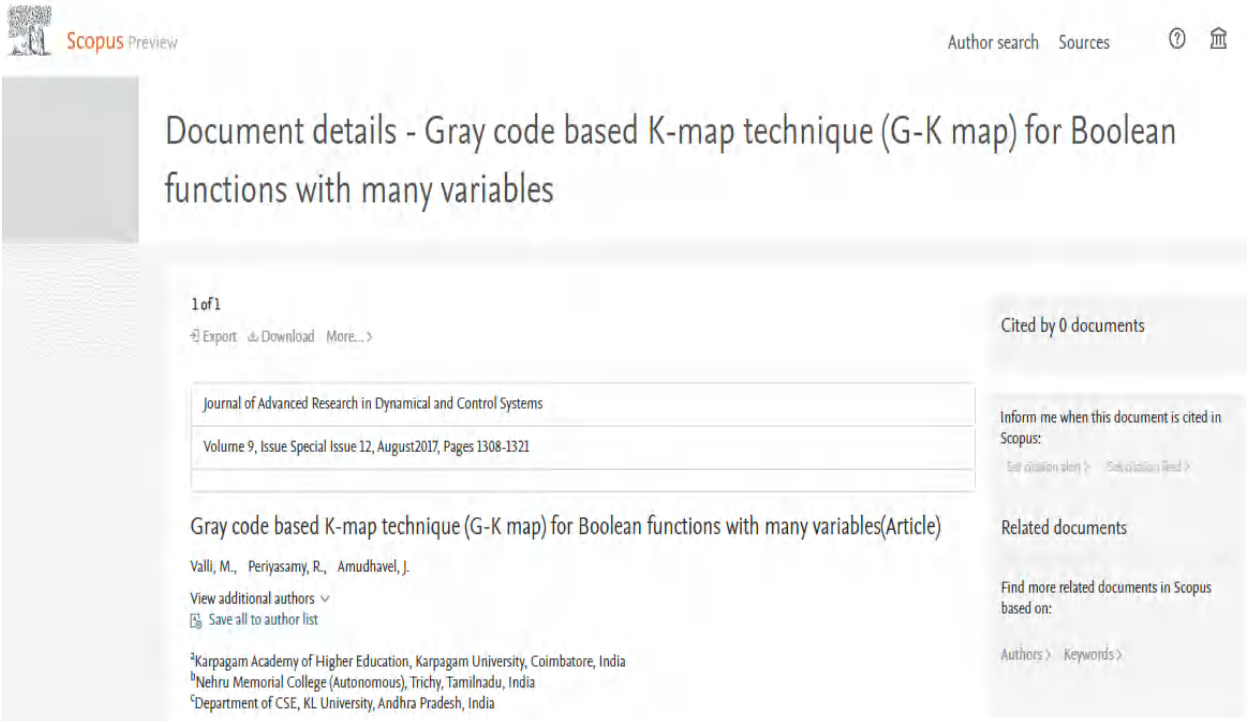
Issue: 12-Special Issue

Scopus



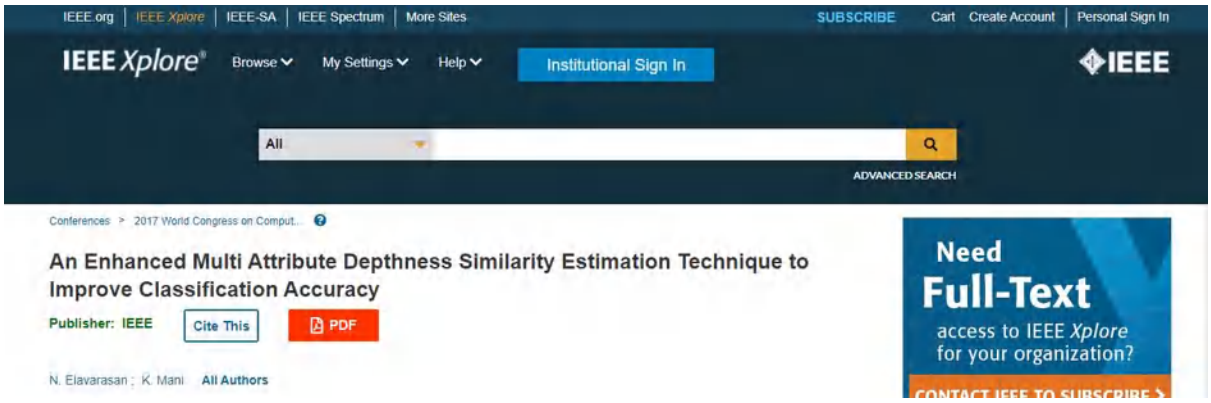
Gray code based K-map technique (G-K map) for Boolean functions with many variables

Scopus



An Enhanced Multi Attribute Depthness Similarity Estimation Technique to Improve Classification Accuracy

DOI: 10.1109/WCCCT.2016.35



Authors

N. Elavarasan
Associate Professor in Computer Science, Nehru Memorial College, Trichy

K. Mani
Research Scholar in Computer Science, Nehru Memorial College, Trichy

Scopus

Extemporization of Business Strategies using Apriori based on Import and Export Patterns with Quantities

International Journal of Applied Engineering Research (IJAER)

Volume 10, Number 82 (2015) *Special Issues*

CONTENTS

Scopus

State of the Art with Cooperative Approach for Software Product Lines in IC Reengineering

Corpus ID: 114789954

Scopus

Some graph operations in multiplicative Zagreb indices

10.1063/5.0025250

Some Graph Operations In Multiplicative Zagreb Indices

M. Radhakrishnan[1], M. Suresh[2, a)] and V. Mohana Selvi[3]

[1, 2] *Department of Mathematics, Faculty of Engineering and Technology SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India.*
[3] *PG and Research Department of Mathematics, Nehru Memorial College, Puthanampatti, Trichy, Tamilnadu, India.*

[a)]Corresponding author: suresh.math86@gmail.com

Scopus

Scopus Preview Author search Sources Create account Sign in

Document details - Some graph operations in multiplicative Zagreb indices

1 of 1

Export Download More... >

AIP Conference Proceedings

Volume 2277, 6 November 2020, Article number 150004

1st International Conference on Mathematical Techniques and Applications, ICMTA 2020; SRM ISTChennai; India; 30 January 2020 through 1 February 2020; Code 164825

Some graph operations in multiplicative Zagreb indices(Conference Paper) (Open Access)

Radhakrishnan, M., Suresh, M., Selvi, V.M.

View additional authors

Save all to author list

[a]Department of Mathematics, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India
[b]PG and Research Department of Mathematics, Nehru Memorial College, Puthanampatti, Trichy, Tamilnadu, India

Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert > Set citation feed >

Related documents

Find more related documents in Scopus based on:

Authors >

Domination of line neighbourhood graphs

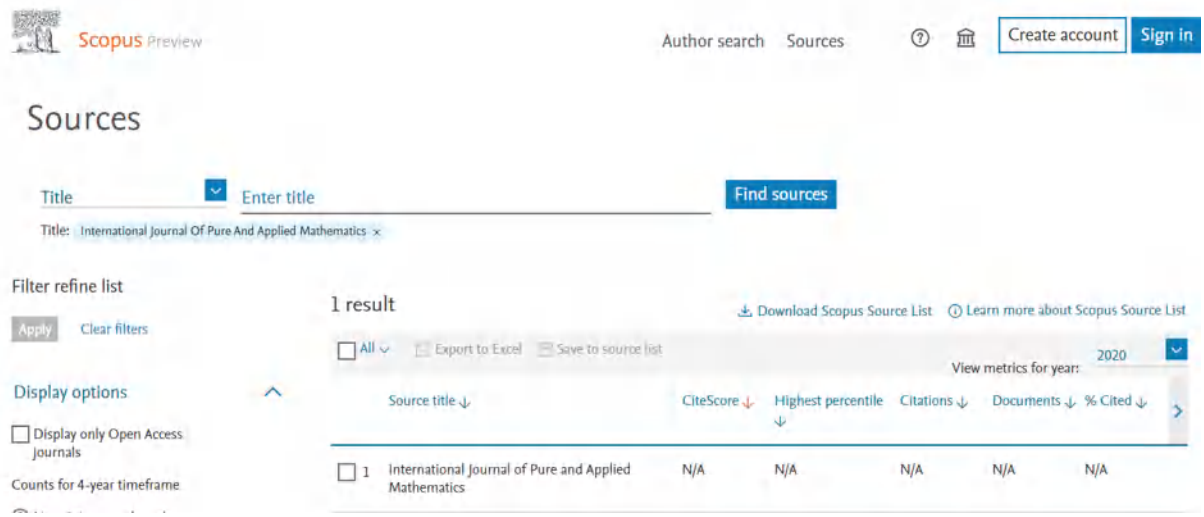
Inter national Journal of Pure and Applied Mathematics
Volume 113 No. 10 2017, 343 – 351
ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)
url: http://www.ijpam.eu
Special Issue

ijpam.eu

Domination of line neighbourhood graphs

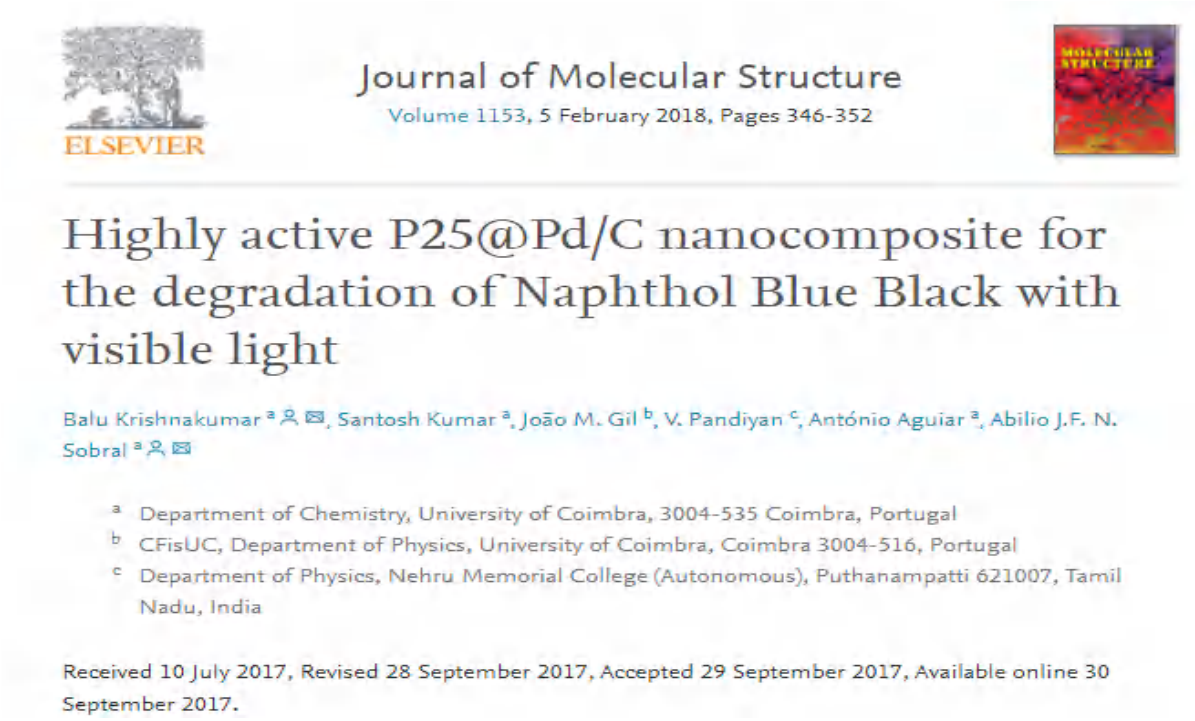
V.Mohanaselni[1], P.Kavitha[2]
[1]Department of Mathematics, Nehru Memorial College
Puthanampatti-621007, Trichy,
Tamil Nadu, India.
vmohanaselvi@gmail.com
[2]Department of Mathematics, Nehru Memorial College
Puthanampatti-621007, Trichy,
Tamil Nadu, India.
kavitha.thamilmani@gmail.com

Scopus



Highly active P25@Pd/C nano composite for the degradation of Naphthol Blue Black with visible light

doi.org/10.1016/j.molstruc.2017.09.120



Journal of Molecular Structure
Volume 1153, 5 February 2018, Pages 346-352

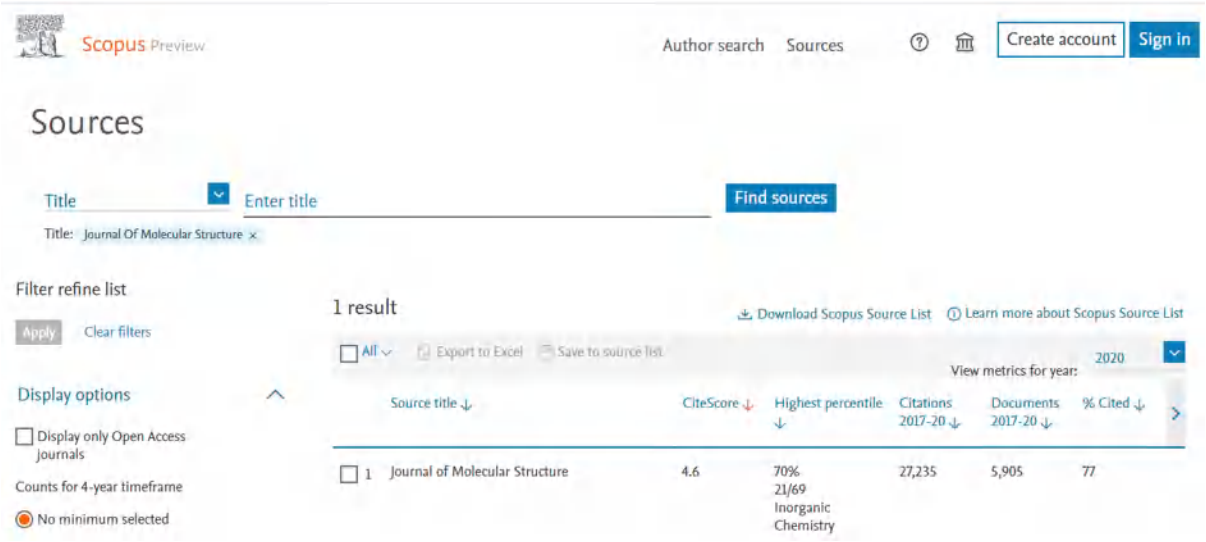
Highly active P25@Pd/C nanocomposite for the degradation of Naphthol Blue Black with visible light

Balu Krishnakumar [a], Santosh Kumar [a], João M. Gil [b], V. Pandiyan [c], António Aguiar [a], Abilio J.F. N. Sobral [a]

[a] Department of Chemistry, University of Coimbra, 3004-535 Coimbra, Portugal
[b] CFisUC, Department of Physics, University of Coimbra, Coimbra 3004-516, Portugal
[c] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti 621007, Tamil Nadu, India

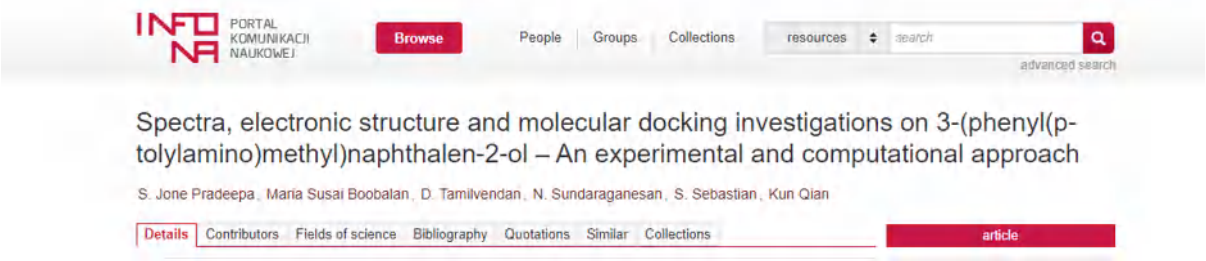
Received 10 July 2017, Revised 28 September 2017, Accepted 29 September 2017, Available online 30 September 2017.

Scopus



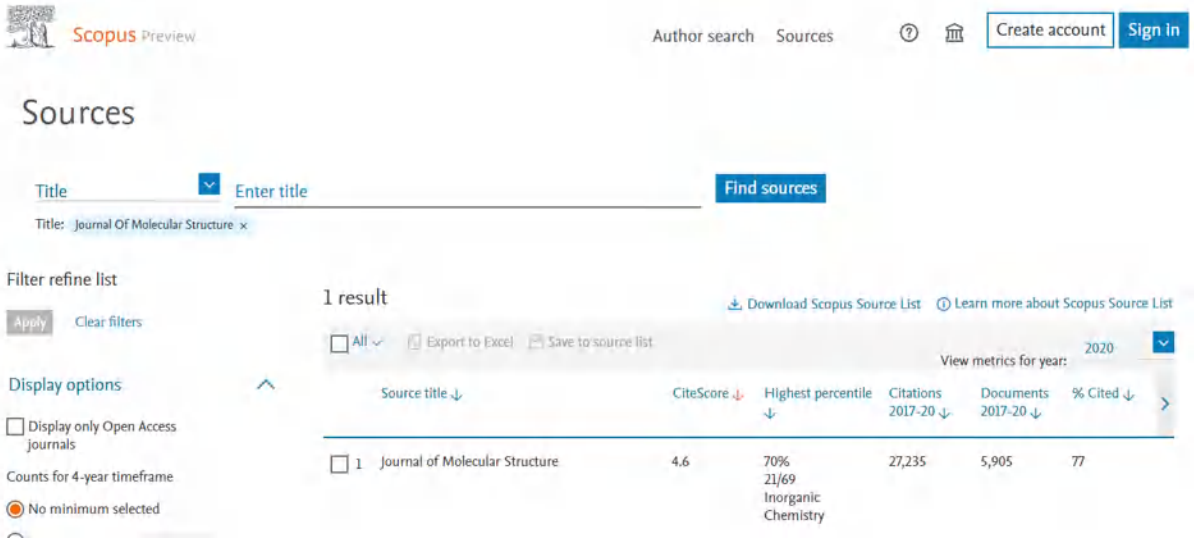
Spectra, electronic structure and molecular docking investigations on 3-(phenyl(p-tolylamino)methyl)naphthalen-2-ol â€“ An experimental and computational approach

DOI10.1016/j.molstruc.2017.01.020



Scopus

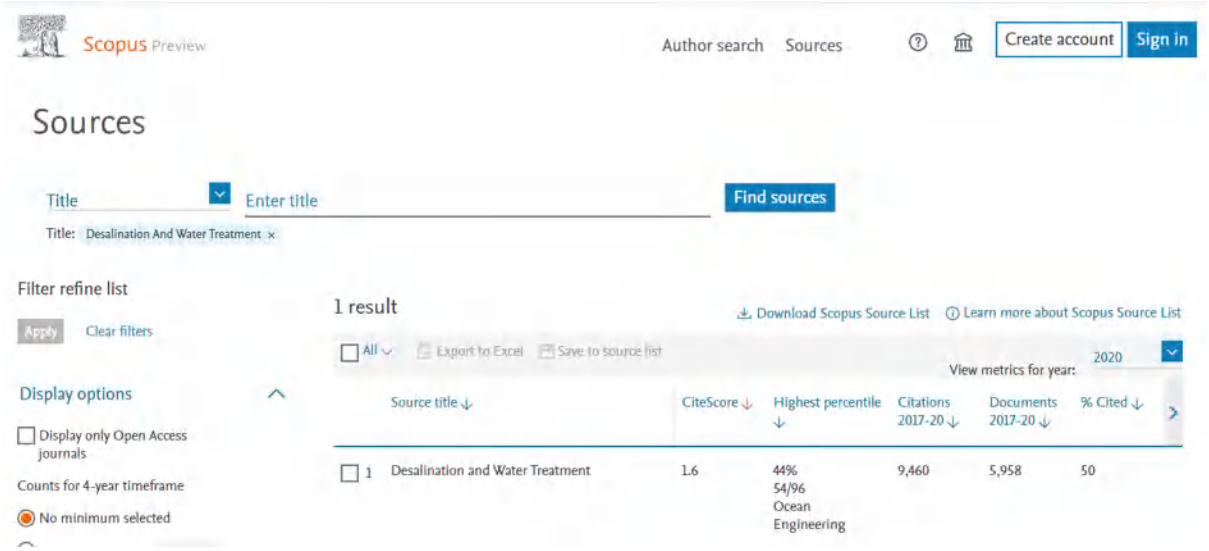
Scopus



Molecular interaction studies in binary mixtures of tetrahydrofuran with arene-substituted alcohols: acoustic and volumetric study

doi.org/10.1080/00319104.2018.1564752

Scopus



Invitro antibacterial analysis of copper solution (microparticle) a novel anti-infective molecule for wound management

DOI: 10.9790/0853-1707092226

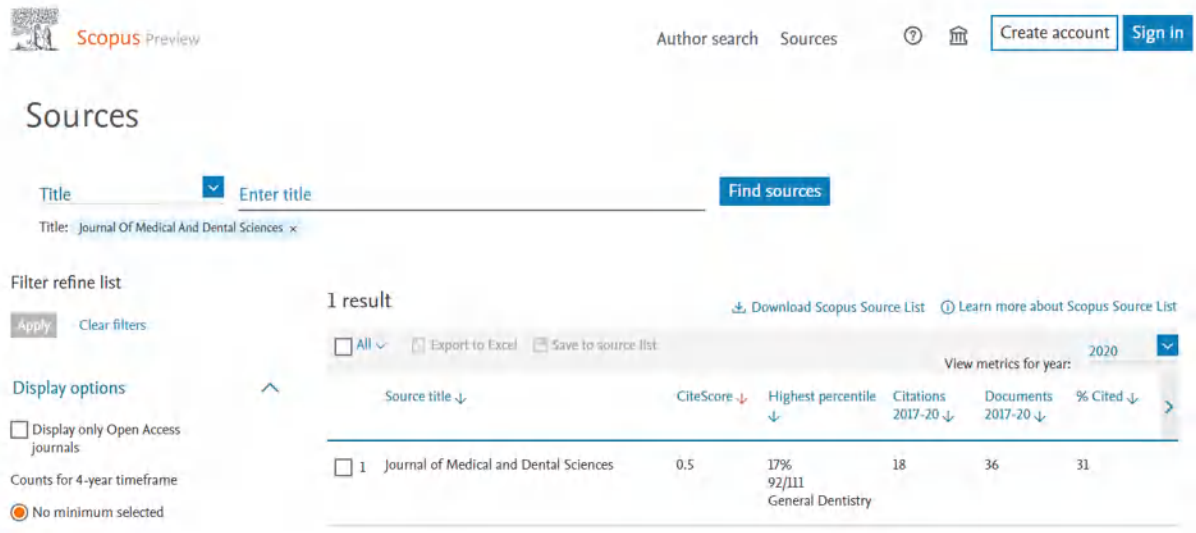
IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)
e-ISSN: 2279-0853, p-ISSN: 2279-0861.Volume 17, Issue 7 Ver. 9 (July. 2018), PP 22-26
www.iosrjournals.org

In vitro antibacterial analysis of copper solution (microparticle) – a novel anti-infective molecule for wound management

Pramila M[1], Meenakshisundaram M[1], Prabhusaran N[2*],
Lalithambigai R[2], Karthik P[3]

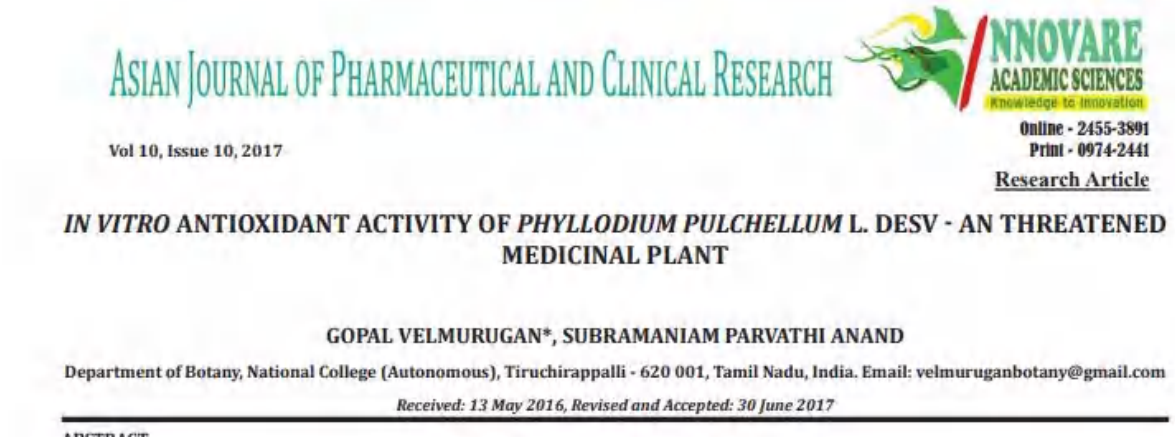
[1]*Department of Biotechnology, Nehru Memorial College, Tiruchirapalli, India*
[2]*Department of Microbiology, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli, India (Affiliated to The Tamilnadu Dr. M.G.R. Medical University, Chennai)*
[3]*Department of Surgery, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli, India (Affiliated to The Tamilnadu Dr. M.G.R. Medical University, Chennai)*
Correspondence author- Prabhusaran N (E. mail- leptoprabhu@gmail.com)

Scopus



In vitro antioxidant activity of Phyllodium pulchellum L. Desv - an threatened medicinal plant.

DOI: http://dx.doi.org/10.22159/ajpcr.2017.v10i10.19919



ASIAN JOURNAL OF PHARMACEUTICAL AND CLINICAL RESEARCH

INNOVARE ACADEMIC SCIENCES
Knowledge to Innovation

Vol 10, Issue 10, 2017

Online - 2455-3891
Print - 0974-2441

Research Article

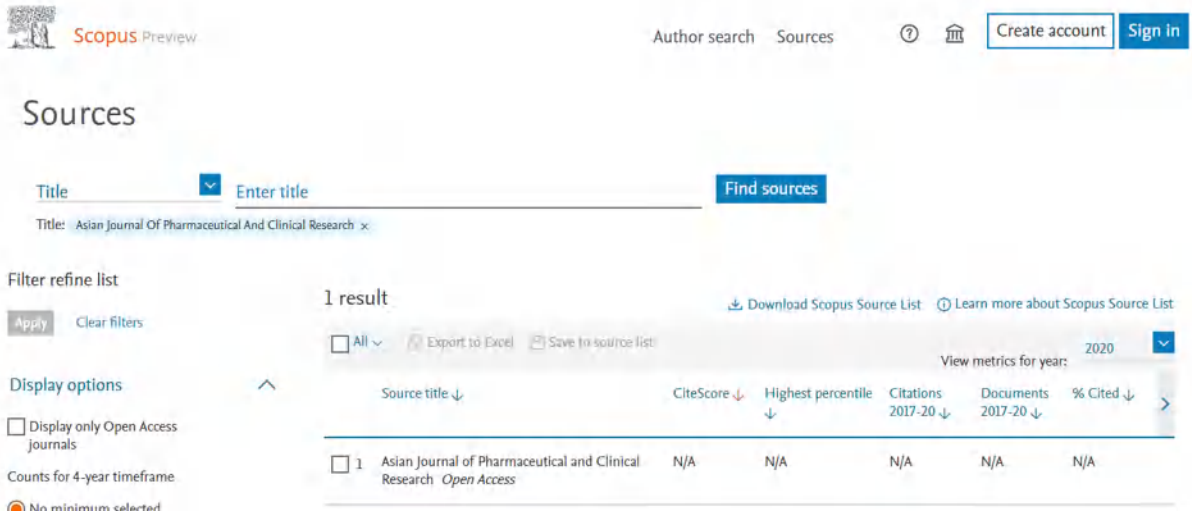
IN VITRO ANTIOXIDANT ACTIVITY OF *PHYLLODIUM PULCHELLUM* L. DESV - AN THREATENED MEDICINAL PLANT

GOPAL VELMURUGAN*, SUBRAMANIAM PARVATHI ANAND

Department of Botany, National College (Autonomous), Tiruchirappalli - 620 001, Tamil Nadu, India. Email: velmuruganbotany@gmail.com

Received: 13 May 2016, Revised and Accepted: 30 June 2017

Scopus



GC-MS Analysis of bioactive compounds on ethanolic leaf extract of Phyllodium pulchellum L. Desv.

DOI number: 10.25258/ijpapr.v9i1.8051

Available online on www.ijppr.com
International Journal of Pharmacognosy and Phytochemical Research 2017; 9(1); 114-118
DOI number: 10.25258/ijpapr.v9i1.8051
ISSN: 0975-4873

Research Article

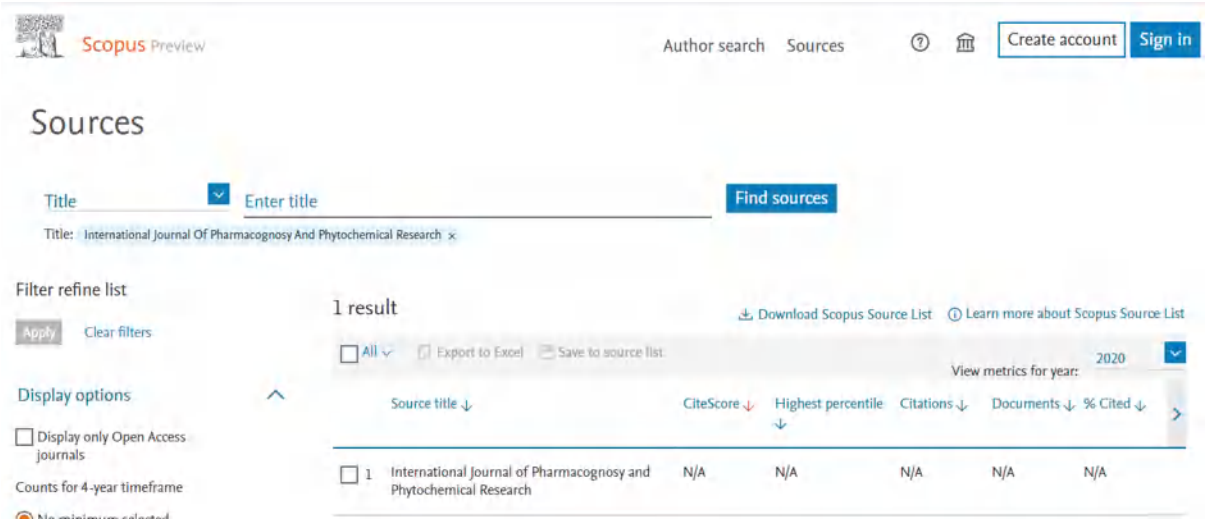
GC-MS Analysis of Bioactive Compounds on Ethanolic Leaf Extract of *Phyllodium pulchellum* L. Desv.

Velmurugan G*, Anand S P

PG & Research Department of Botany, National College (Autonomous), Tiruchirappalli – 620 001, Tamil Nadu, India.

Received: 9th Nov, 16; Revised: 12th Dec, 16; Accepted: 27th Dec,16; Available Online: 15th January, 2017

Scopus



2018-2019

Electrical resistivity measurements of magnite La0.95Sr0.05Mno3 under uniaxial pressure at high temperature

Journal of Superconductivity and Novel Magnetism (2019) 32:2467–2469
https://doi.org/10.1007/s10948-018-4969-0

ORIGINAL PAPER

Electrical Resistivity Measurements of Manganite $La_{0.95}Sr_{0.05}MnO_3$ Under Uniaxial Pressure at High Temperature

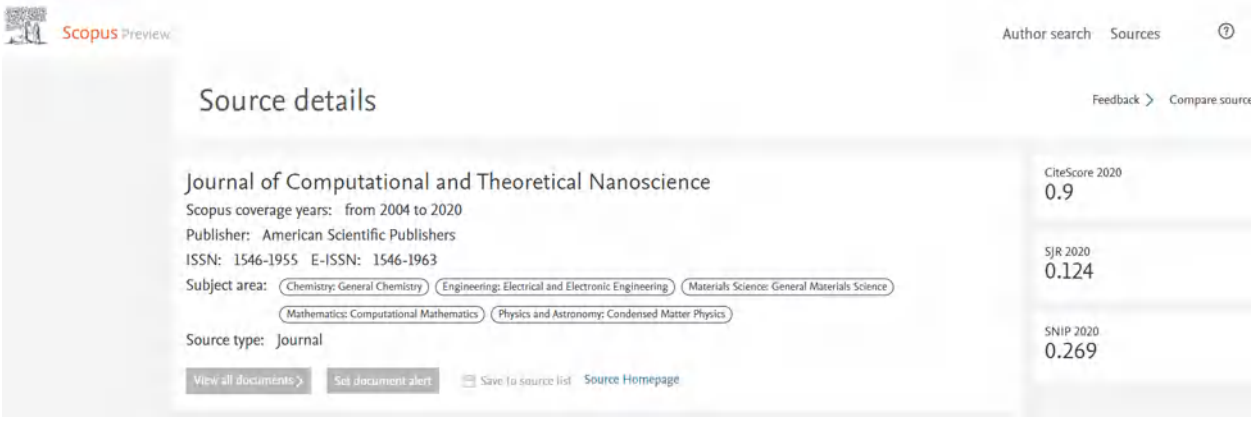
S. Muruganantham[1] · S. Kumararaman[2] · N. R. Tamilselvan[2] · T. Thaila[3] · K. Subbaraman[1]

Received: 22 October 2018 / Accepted: 7 December 2018 / Published online: 18 December 2018

S. Muruganantham
muruganmsc02@gmail.com

[1] Department of Physics, Oxford Engineering College, Tiruchirappalli 620 009, India
[2] PG & Research Department of Physics, Neyveli Memorial College, Puthunampatti 621 007, India
[3] Department of Physics, Srinivasan Engineering College, Perambalur 621 212, India

Scopus



Dynamics of periodically pulsed driven chua's circuit

Doi = https://doi.org/10.1166/jctn.2018.7165

Journal of
Computational and Theoretical Nanoscience
Vol. 15, 1–5, 2018

Dynamics of Periodically Pulsed Driven Chua's Circuit

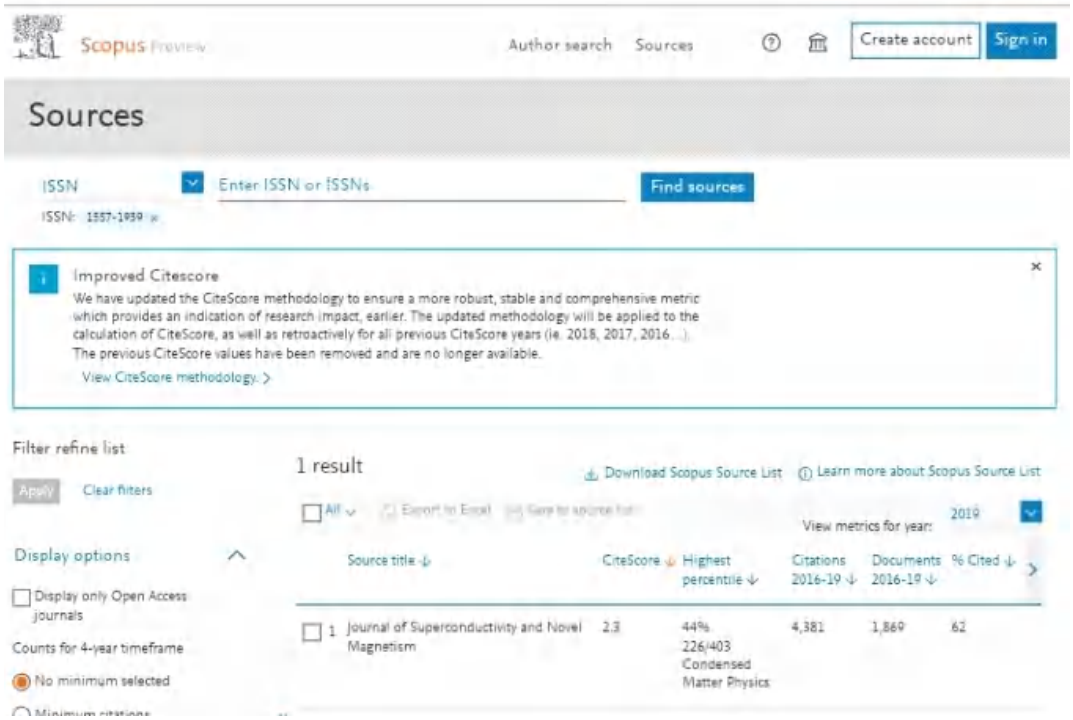
M. Inbavalli[1, 4, *], K. Srinivasan[2], R. Gladwin Pradeep[3], A. Venkatesan[2], and K. Murali[4]

[1] Department of Physics, Jeppiaar Engineering College, Chennai 600119, India
[2] Department of Physics, Nehru Memorial College, Puthanampatti, Tiruchirappalli 621007, India
[3] Department of Physics, KCG College of Technology, Chennai 600097, India
[4] Department of Physics, Anna University, Chennai 600025, India

We consider a simple nonlinear electronic circuit namely Chua's circuit, which exhibits different dynamical behaviours including period-doubling route to chaos. In this paper, we show that the effect of additional periodic impulses in this Chua's circuit provides quasi-periodic route to chaos through a novel multiple period doubling bifurcations. A rich variety of dynamical phenomena including extended quasiperiodic regimes, distinctly modified bifurcation structures, attractor crisis, enlarged periodic windows are observed as the effects of the periodic impulses. It is also observed that for a certain kind of impulsive force, this circuit admits transcritical bifurcations followed by the multiple period doubling bifurcations.

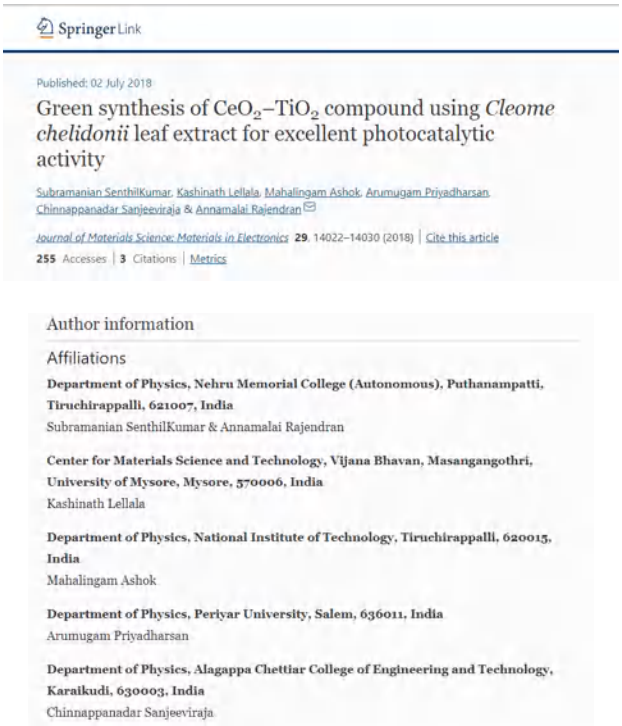
Keywords: Chua's Circuit, Nonautonomous Circuit, Bifurcations, Chaos.

Scopus



Green synthesis of CeO2–TiO2 compound using Cleome chelidonii leaf extract for excellent photocatalytic activity

Doi = https://doi.org/10.1007/s10854-018-9534-x



SpringerLink

Published: 02 July 2018

Green synthesis of CeO_2–TiO_2 compound using *Cleome chelidonii* leaf extract for excellent photocatalytic activity

Subramanian SenthilKumar, Kashinath Lellala, Mahalingam Ashok, Arumugam Priyadharsan, Chinnappanadar Sanjeeviraja & Annamalai Rajendran

Journal of Materials Science: Materials in Electronics **29**, 14022–14030 (2018) | Cite this article

255 Accesses | **3** Citations | Metrics

Author information

Affiliations

Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, 621007, India
Subramanian SenthilKumar & Annamalai Rajendran

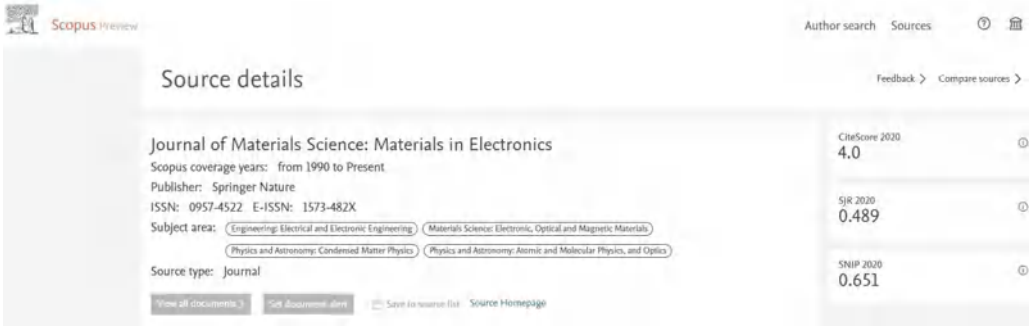
Center for Materials Science and Technology, Vijana Bhavan, Masangangothri, University of Mysore, Mysore, 570006, India
Kashinath Lellala

Department of Physics, National Institute of Technology, Tiruchirappalli, 620015, India
Mahalingam Ashok

Department of Physics, Periyar University, Salem, 636011, India
Arumugam Priyadharsan

Department of Physics, Alagappa Chettiar College of Engineering and Technology, Karaikudi, 630003, India
Chinnappanadar Sanjeeviraja

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Compare sources >

Journal of Materials Science: Materials in Electronics

Scopus coverage years: from 1990 to Present

Publisher: Springer Nature

ISSN: 0957-4522 E-ISSN: 1573-482X

Subject area: Engineering: Electrical and Electronic Engineering | Materials Science: Electronic, Optical and Magnetic Materials | Physics and Astronomy: Condensed Matter Physics | Physics and Astronomy: Atomic and Molecular Physics, and Optics

Source type: Journal

View all documents > Set document alert Save to source list Source Homepage

CiteScore 2020 4.0

SJR 2020 0.489

SNIP 2020 0.651

The effect of PAVc on surface morphological and electrochemical performance of (VdF-HFP)-based blend solid polymer electrolytes for lithium ion-battery applications

Ionics
https://doi.org/10.1007/s11581-018-2679-z

ORIGINAL PAPER

The effects of PVAc on surface morphological and electrochemical performance of P(VdF-HFP)-based blend solid polymer electrolytes for lithium ion-battery applications

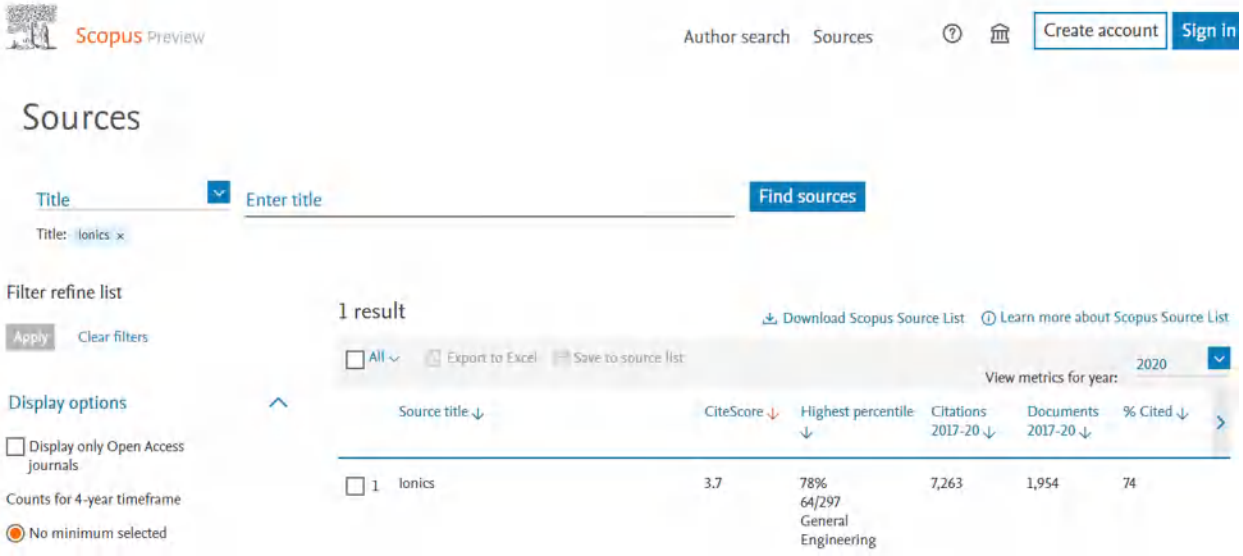
M. Sasikumar[1] · A. Jagadeesan[2] · M. Raja[3] · R. Hari Krishna[4] · P. Sivakumar[5]

Received: 29 April 2018 / Revised: 11 July 2018 / Accepted: 2 August 2018

[1] PG and Research Department of Physics, Bishop Heber College, Trichy, Tamil Nadu 620 017, India
[2] PG and Research Department of Physics, Nehru Memorial College, Puthanampatti, Trichy, Tamil Nadu 621 007, India
[3] Department of Chemistry, Indian Institute of Technology Madras, Chennai, Tamil Nadu 600 036, India
[4] Department of Chemistry, M.S. Ramaiah Institute of Technology, Bangalore 560 054, India
[5] PG and Research Department of Physics, Periyar E. V. R College, Trichy, Tamil Nadu 620 023, India

Published online: 10 August 2018

Scopus



Influence of hydrothermally synthesized cubic-structured BaTio3 ceramic fillers on ionic conductivity mechanical integrity and thermal behavior of P (VDF-HFP)/PVAc – based composite solid polymer electrolytes for lithium batteries

DOI: 10.1021/acs.jpcc.8b03952

THE JOURNAL OF PHYSICAL CHEMISTRY C

Article

Cite This: J. Phys. Chem. C 2018, 122, 25741−25752

pubs.acs.org/JPCC

Influence of Hydrothermally Synthesized Cubic-Structured $BaTiO_3$ Ceramic Fillers on Ionic Conductivity, Mechanical Integrity, and Thermal Behavior of P(VDF−HFP)/PVAc-Based Composite Solid Polymer Electrolytes for Lithium-Ion Batteries

M. Sasikumar,[†] M. Raja,[‡] R. Hari Krishna,[§] A. Jagadeesan,[∥] P. Sivakumar,*[,⊥] and S. Rajendran[#]

[†]PG and Research Department of Physics, Bishop Heber College, Tiruchirappalli 620 017, Tamil Nadu, India

[‡]Department of Chemistry, Indian Institute of Technology Madras, Chennai 600 036, Tamil Nadu, India

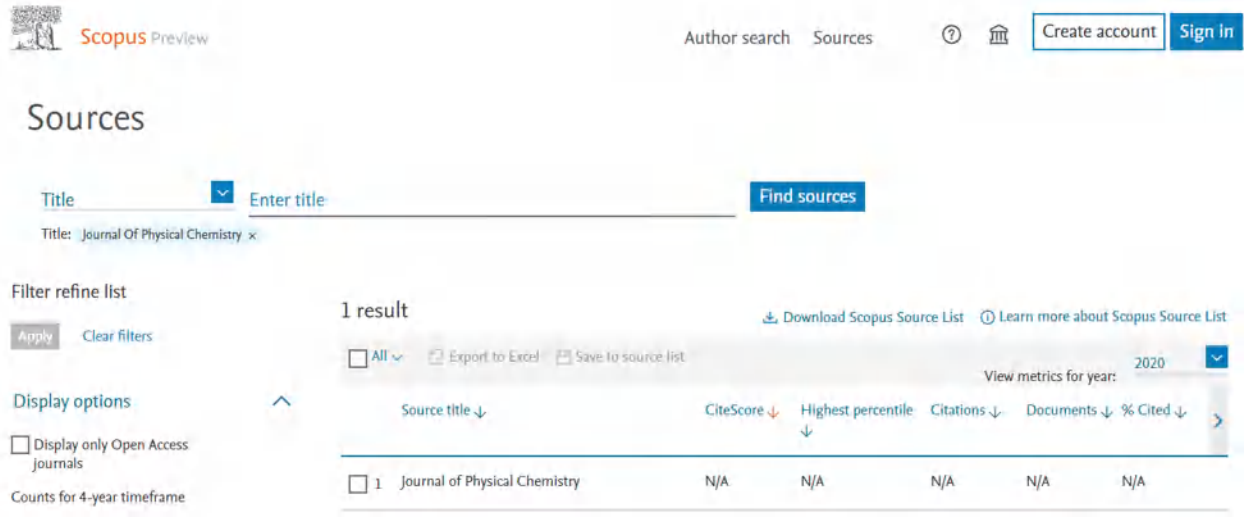
[§]Department of Chemistry, M. S. Ramaiah Institute of Technology, Bangalore 560 054, Karnataka, India

[∥]PG and Research Department of Physics, Nehru Memorial College, Puthanampatti, Trichy 621 007, Tamil Nadu, India

[⊥]PG and Research Department of Physics, Periyar EVR College, Tiruchirappalli 620 023, Tamil Nadu, India

[#]School of Physics, Alagappa University, Karaikudi, Tamil Nadu 630 003, India

Scopus



Coexisting bifurcation in a memristive hyperchaotic oscillator

doi.org/10.1016/j.aeue.2018.03.035

Int. J. Electron. Commun. (AEÜ) 90 (2018) 110–122

Contents lists available at ScienceDirect

Int. J. Electron. Commun. (AEÜ)

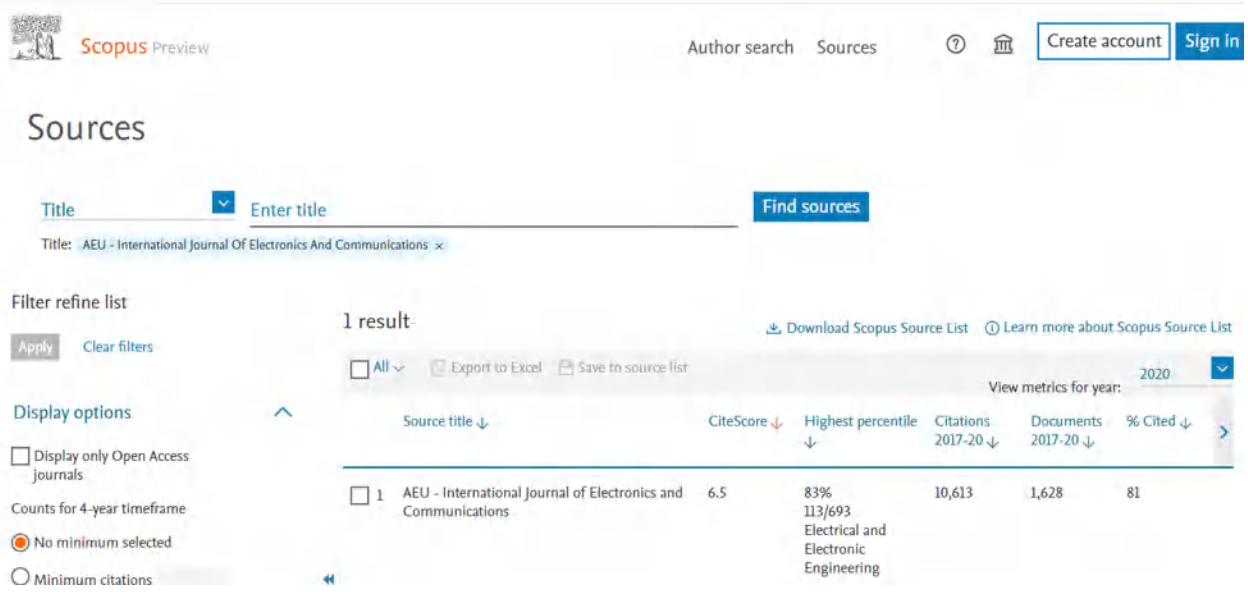
journal homepage: www.elsevier.com/locate/aeue

Coexisting bifurcations in a memristive hyperchaotic oscillator

T. Fozin Fonzin[a,b,c], K. Srinivasan[d], J. Kengne[e], F.B. Pelap[f,c,*]

[a] Unité de recherche de Matière Condensée d'Electronique et de Traitement de Signal (UR-MACETS), Faculty of Sciences, University of Dschang, P.O. Box 69, Dschang, Cameroon
[b] Centre for Nonlinear Dynamics (CNLD), Department of Physics, Bharathidasan University, Tiruchirapalli 620 024, India
[c] Centre d'Excellence Africain en Technologies de l'Information et de la Communication (CETIC), University of Yaoundé I, P.O. Box 812, Yaoundé, Cameroon
[d] Department of Physics, Nehru Memorial College, Puthanampatti, P.O. 621007, Tiruchirapalli, India
[e] Unité de recherche d'Automatique et d'Informatique Appliquée (LAIA), IUT-FV de Bandjoun, University of Dschang, Bandjoun, P.O. Box 134, Cameroon
[f] Unité de recherche de Mécanique et de Modélisation des Systèmes Physiques (L2MSP), Department of Physics, Faculty of Sciences, University of Dschang, P.O. Box 69, Dschang, Cameroon

Scopus



Implementation of Dynamic Dual Input Multiple Output Logic Gates via Enhanced Logical Resonance in Non-Locally Coupled Duffing Oscillators

DOI: 10.16943/ptinsa/2018/49473

Proc Indian Natn Sci Acad **85** No. 1 March 2019 pp 247-255
Printed in India. DOI: 10.16943/ptinsa/2018/49473

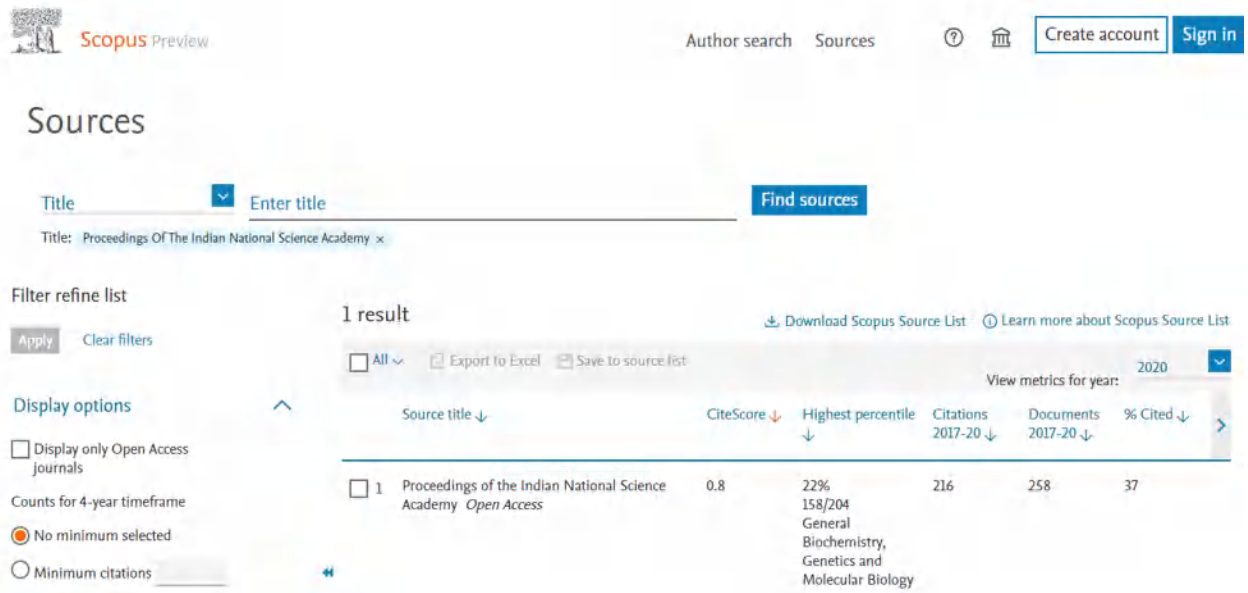
Research Paper

Implementation of Dynamic Dual Input Multiple Output Logic Gates via Enhanced Logical Resonance in Non-Locally Coupled Duffing Oscillators

P R VENKATESH*
PG & Research Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirapalli 621 007, Tamilnadu, India

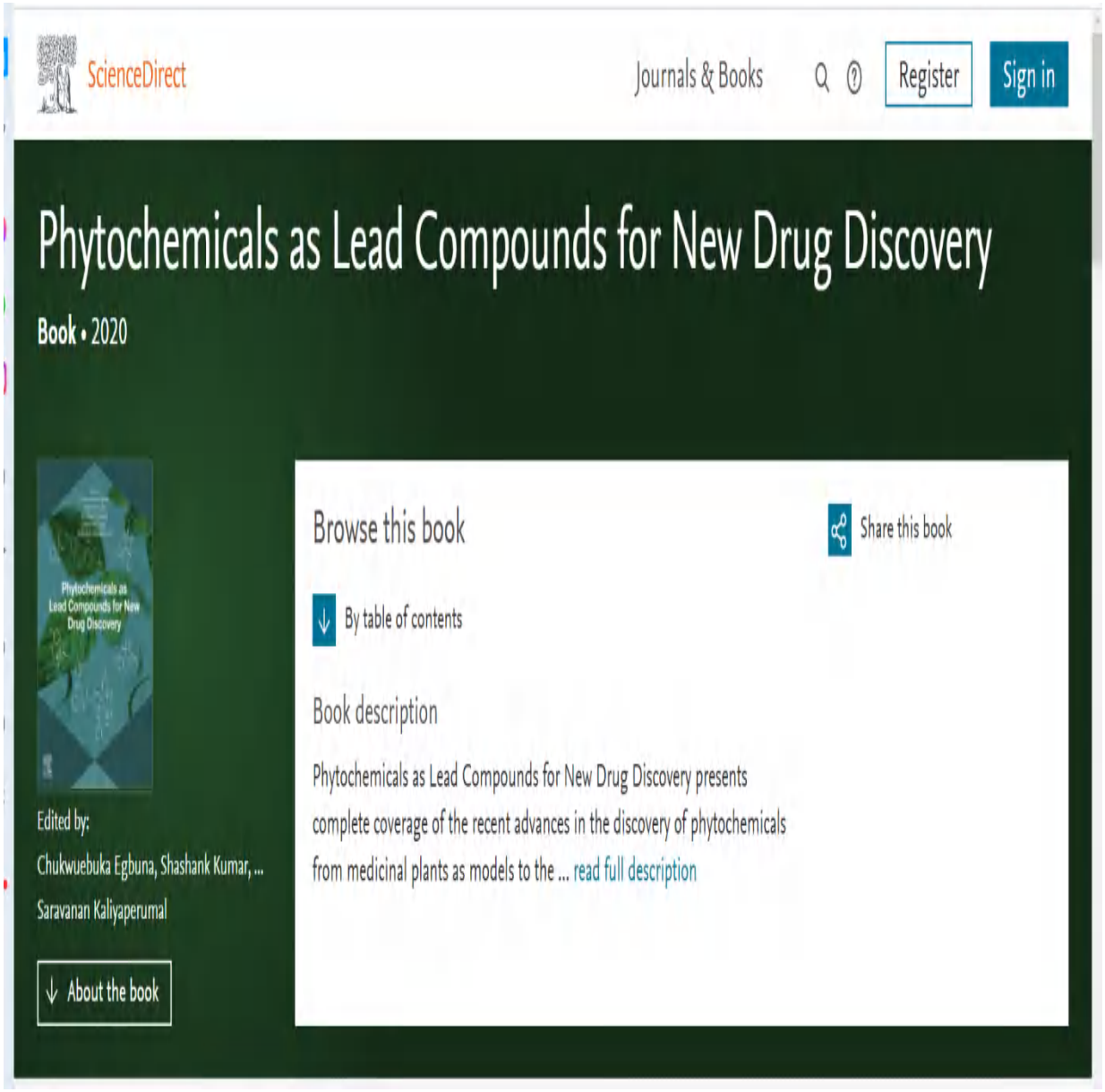
(Received on 27 May 2018; Revised on 21 June 2018; Accepted on 22 June 2018)

Scopus

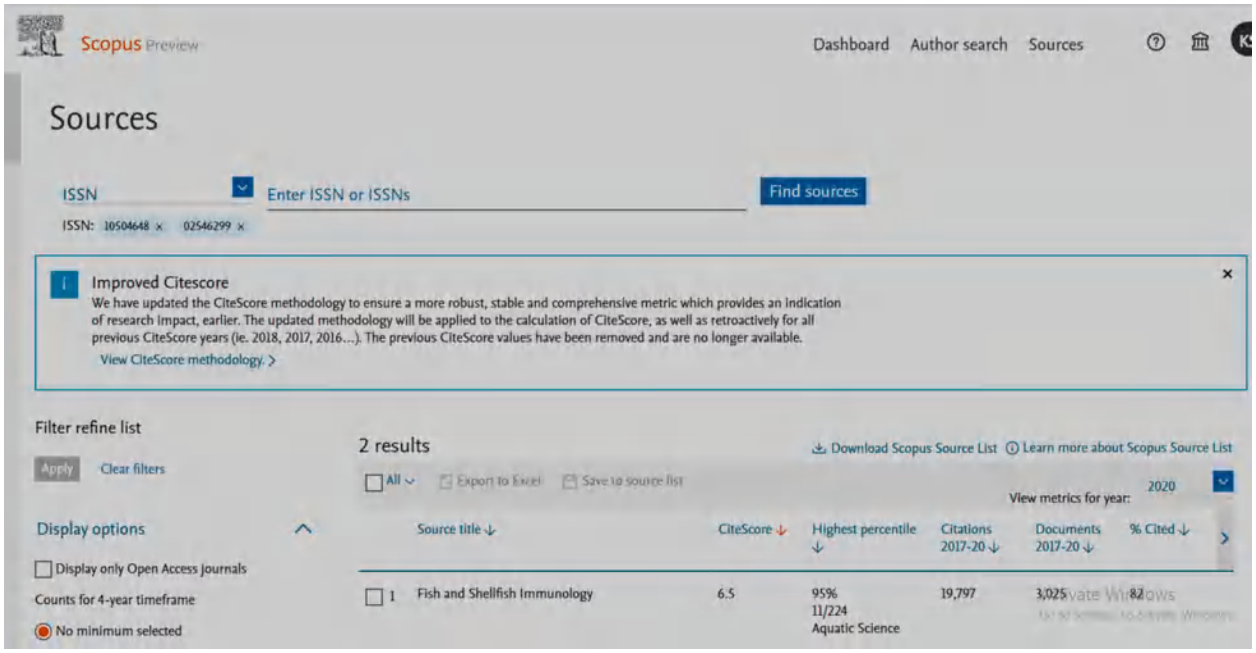


Egbuna C., Kumar S., Ifemeje J.C., Ezzat S.M., **Saravanan Kaliyaperumal**.2019. Phytochemicals as lead compounds for new drug discovery. Elsevier, USA.

- **DOI:** https://doi.org/10.1016/C2018-0-02367-1
- **ISBN:** 978-012817891-1;978-012817890-4



Devi G., Harikrishnan R., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Balasundaram C. 2019. Effects of aloe-emodin on innate immunity, antioxidant and immune cytokines mechanisms in the head kidney leucocytes of Labeo rohita against Aphanomyces invadans. ***Fish and Shellfish Immunology.*** *87:669-678.* https://doi.org/10.1016/j.fsi.2019.02.006



Fish & Shellfish Immunology
Volume 87, April 2019, Pages 669-678

Full length article

Effects of aloe-emodin on innate immunity, antioxidant and immune cytokines mechanisms in the head kidney leucocytes of *Labeo rohita* against *Aphanomyces invadans*

Gunapathy Devi [a], Ramasamy Harikrishnan [b], Bilal Ahmad Paray [c] ✉, Mohammad K. Al-Sadoon [c], Seyed Hossein Hoseinifar [d], Chellam Balasundaram [e]

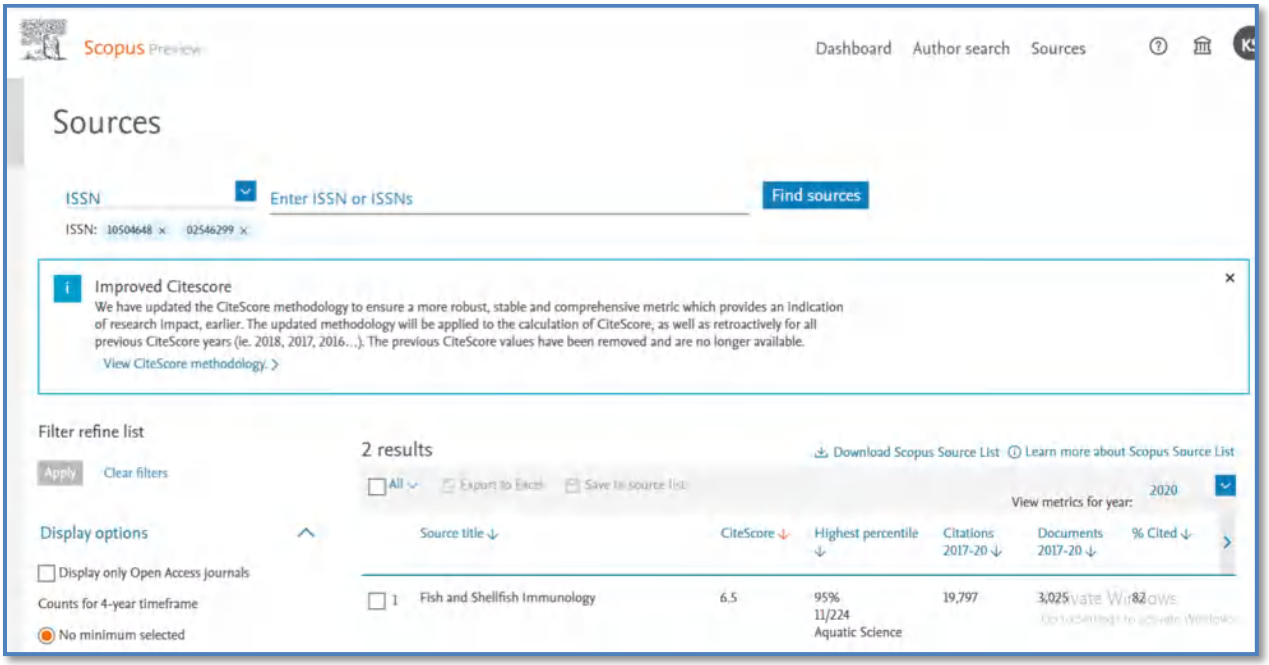
[a] Department of Zoology, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India
[b] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, 631 501, Tamil Nadu, India
[c] Zoology Department, College of Science, King Saud University, PO Box 2455, Riyadh, 11451, Saudi Arabia
[d] Department of Fisheries, Faculty of Fisheries and Environmental Sciences, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran
[e] Department of Herbal and Environmental Science, Tamil University, Thanjavur, 613 005, Tamil Nadu, India

Received 21 November 2018, Revised 3 February 2019, Accepted 5 February 2019, Available online 10 February 2019.

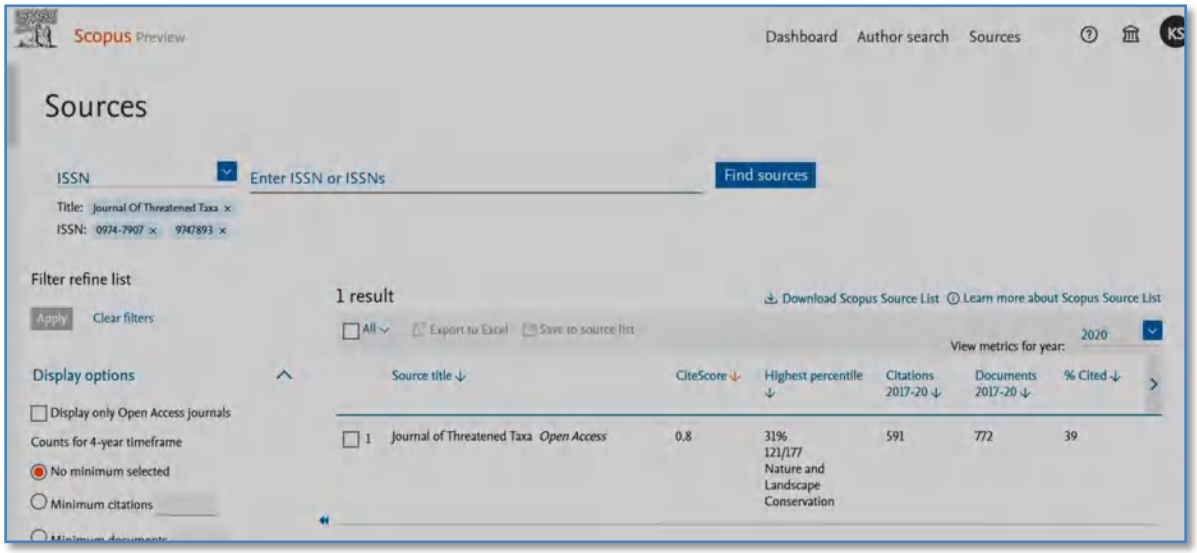
https://doi.org/10.1016/j.fsi.2019.02.006

Devi G., Harikrishnan R., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Balasundaram C. 2019.

Comparative immunostimulatory effect of probiotics and prebiotics in *Channa punctatus* against Aphanomyces invadans. 86: 965-963 . https://doi.org/10.1016/j.fsi.2018.12.051



Siva T., Neelanarayanan P., and Rao V.V. 2019.
Food composition of Indian Eagle Owl Bubo bengalensis Franklin (Aves: Strigiformes: Strigidae) from Tiruchirappalli District, Tamil Nadu, India. ***Journal of Threatened Taxa***. 11: 13545-13551
DOI: https://doi.org/10.11609/jott.4416.11.5.13545-13551




Journal of Threatened Taxa | www.threatenedtaxa.org | 26 March 2019 | 11(5): 13545–13551

COMMUNICATION

FOOD COMPOSITION OF INDIAN EAGLE OWL *BUBO BENGALENSIS* FRANKLIN (AVES: STRIGIFORMES: STRIGIDAE) FROM TIRUCHIRAPPALLI DISTRICT, TAMIL NADU, INDIA

ISSN 0974-7907 (Online)
ISSN 0974-7893 (Print)

PLATINUM OPEN ACCESS

Tamilselvan Siva [1], Periyasamy Neelanarayanan [2] & Vaidyula Vasudeva Rao [3]

[1,2] Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India.
[3] Co-Coordinator, All India Network Project on Vertebrate Pest Management - Agricultural Ornithology, PJTS Agricultural University, Rajendra Nagar, Hyderabad, Telangana 500030, India.
[1] sivanaturewild@gmail.com (corresponding author), [2] dr.pnn31@gmail.com, [3] vasuvaidyula@gmail.com

Abstract: The diet of the Indian Eagle Owl was studied from April to September 2017 in Tiruchirapalli District, Tamil Nadu, India. Analysis of 1082 regurgitated pellets yielded 2077 prey items; the mean prey items/ pellet was 1.91. The diet constituted 65.1% of rodent prey and the remaining 34.83% of other groups of both vertebrate and invertebrate animals. The mean percentage of prey composition was 31.15% *Millardia meltada* Soft-furred Field Rat, 12.95% *Bandicota bengalensis* Lesser Bandicoot Rat, 10.25% *Mus booduga* Indian Field Mouse, and 10.24% of other rodent species. Of the 34.83% of non-rodent prey, the owls ingested insects (Rhinoceros beetles, 9.58%), Arachnida (Solifugae or Sun spider, *Galeodes* sp., 9.58%), reptiles (*Calotes* sp., 3.7%), amphibians (3.56%), shrews (*Suncus murinus*, 2.84%), and others (5.57%). The Indian Eagle Owls consumed more than one prey per day and chiefly foraged in agricultural crop fields and consumed both small mammals and insects of agricultural importance under crop ecosystems.

Keywords: Amphibians, arachnid, *Bandicota bengalensis*, insects, *Millardia meltada*, pellet analysis, prey composition, reptiles, rodents, shrew.

DOI: https://doi.org/10.11609/jott.4416.11.5.13545-13551 | **ZooBank:** urn:lsid:zoobank.org:pub:E75E53D9-1F48-467F-889F-8CE84D88CDE8

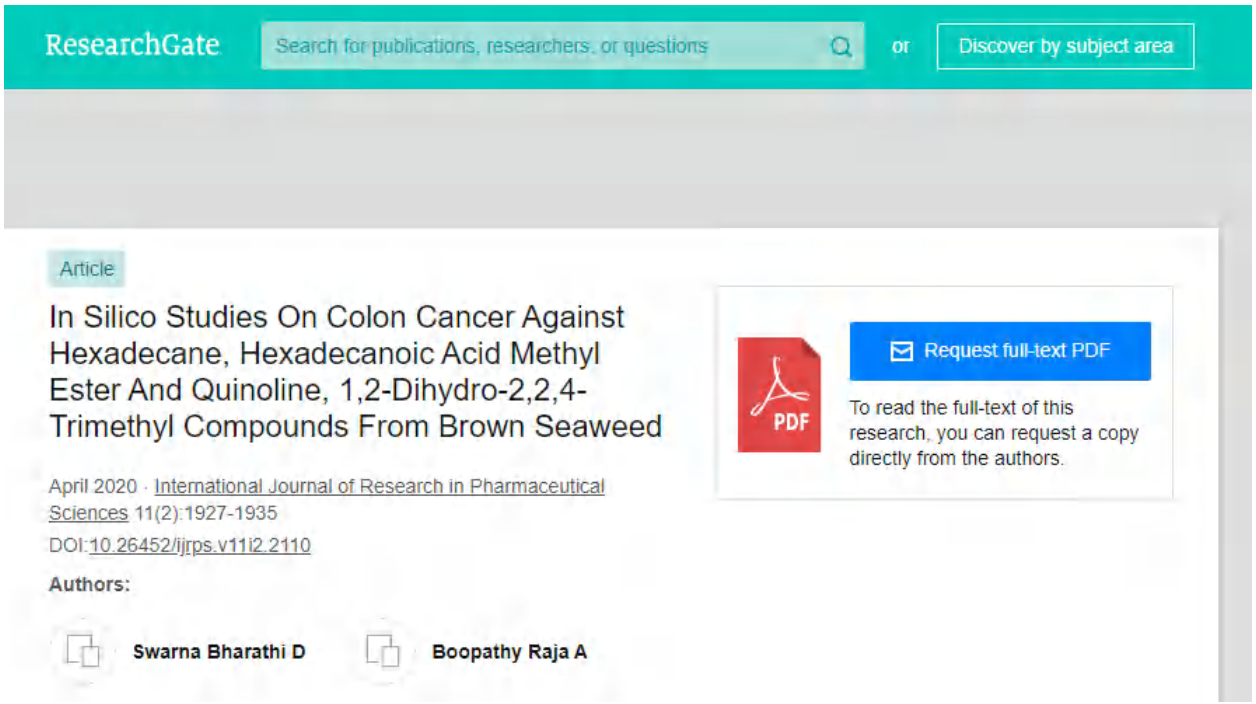
Editor: Reuven Yosef, Ben Gurion University of the Negev, Eilat, Israel. **Date of publication:** 26 March 2019 (online & print)

Manuscript details: #4416 | Received 18 July 2018 | Final received 08 February 2019 | Finally accepted 02 March 2019

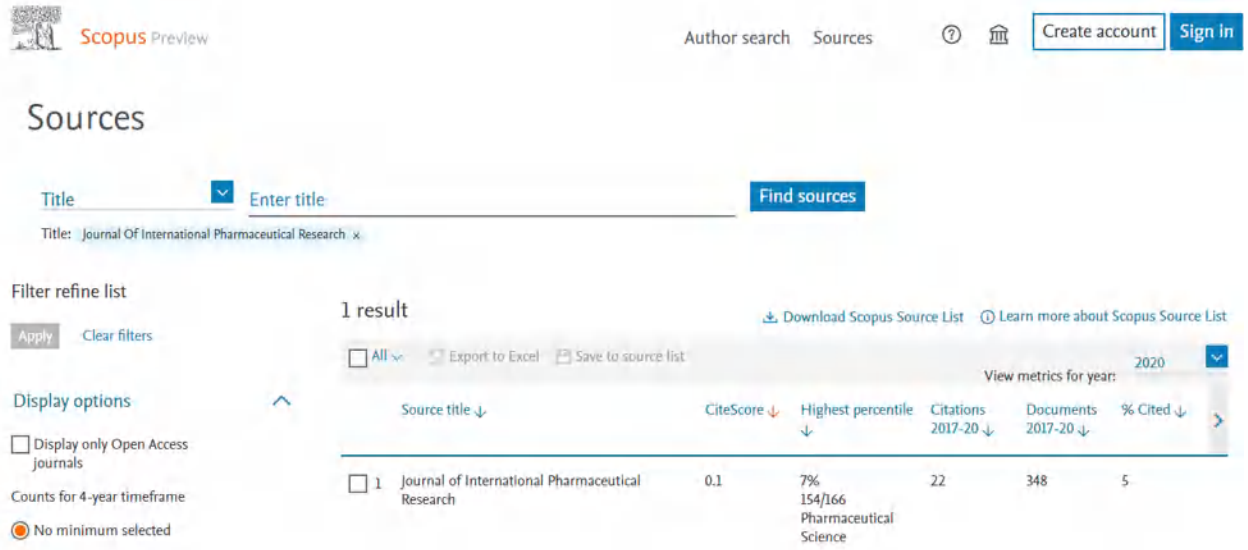
Citation: Siva, T., P. Neelanarayanan & V.V. Rao (2019). Food composition of Indian Eagle Owl *Bubo Bengalensis* Franklin (Aves: Strigiformes: Strigidae) from Tiruchirappalli District, Tamil Nadu, India. *Journal of Threatened Taxa* 11(5): 13545–13551. https://doi.org/10.11609/jott.4416.11.5.13545-13551

In silico studies on colon cancer against hexadecane, hexadecanoic acid methyl ester and quinoline, 1,2-dihydro-2,2,4-trimethyl compounds from brown seaweed

DOI:10.26452/ijrps.v11i2.2110



Scopus



In vitro antioxidant efficacy of Biophytum sensitivum extracts

ISSN 0972-5075

Biochem. Cell. Arch. Vol. 19, No. 1, pp. 23-29, 2019 | www.connectjournals.com/bca | *ISSN 0972-5075*

IN VITRO ANTIOXIDANT EFFICACY OF *BIOPHYTUM SENSITIVUM* EXTRACTS

M. P. Santhi[1], G. Bupesh[2,1*], S. Vasanth[2], P. Ramasamy[2], W. M. S. Johnson[3] and V. Balachandar[4]

[1]Department of Zoology, Nehru Memorial College, Puthanampatti, India.
[2]R&D Wing, Central Research Laboratory, Sree Balaji Medical College and Hospital, Bharath Institute of Higher Education & Research - BIHER, Chrompet, Chennai - 600 044, India.
[3]Department of Anatomy, Sree Balaji Medical College and Hospital (SBMCH), Bharath Institute of Higher Education & Research -BIHER, Chrompet, Chennai - 600 044, India.
[4]Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore - 641 046, India.
*e-mail : bupeshgiri55@gmail.com

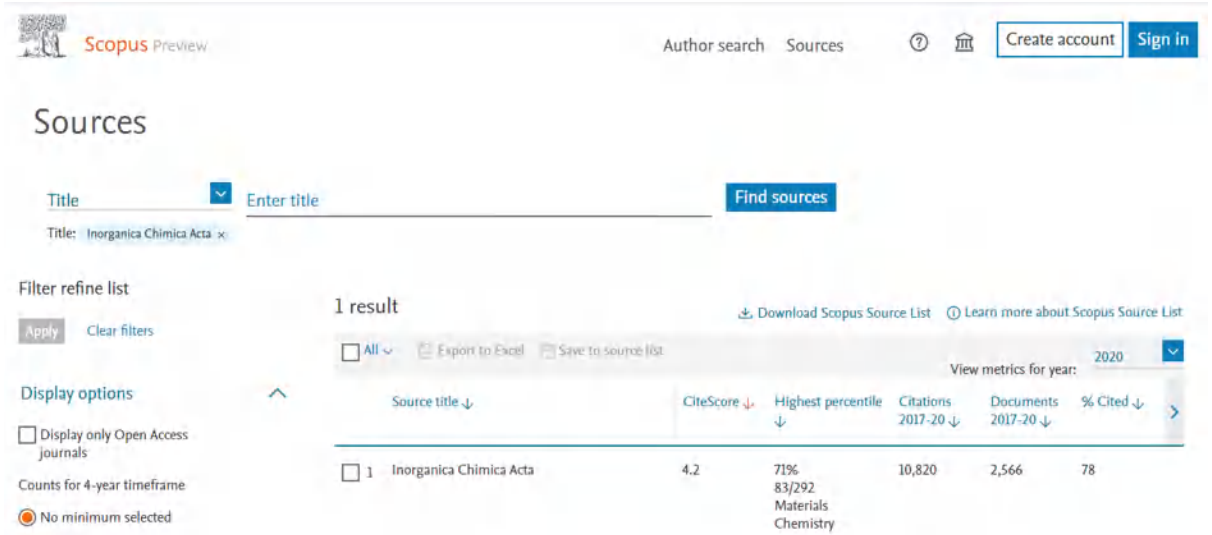
(Accepted 21 January 2019)

Scopus

Synthesis of coumarin derivatives and its Ru(II) complexes encompassing pyrazole ring as a potent antidiabetic agents â€“ A biochemical perspective

doi.org/10.1016/j.ica.2019.04.029

Scopus



Cytotoxic, larvicidal, nematicidal, and antifeedant activities of piperidin-connected 2-thioxoimidazolidin-4-one derivatives

doi.org/10.1016/j.sjbs.2017.12.007

Saudi Journal of Biological Sciences
Volume 26, Issue 4, May 2019, Pages 673-680

Original article

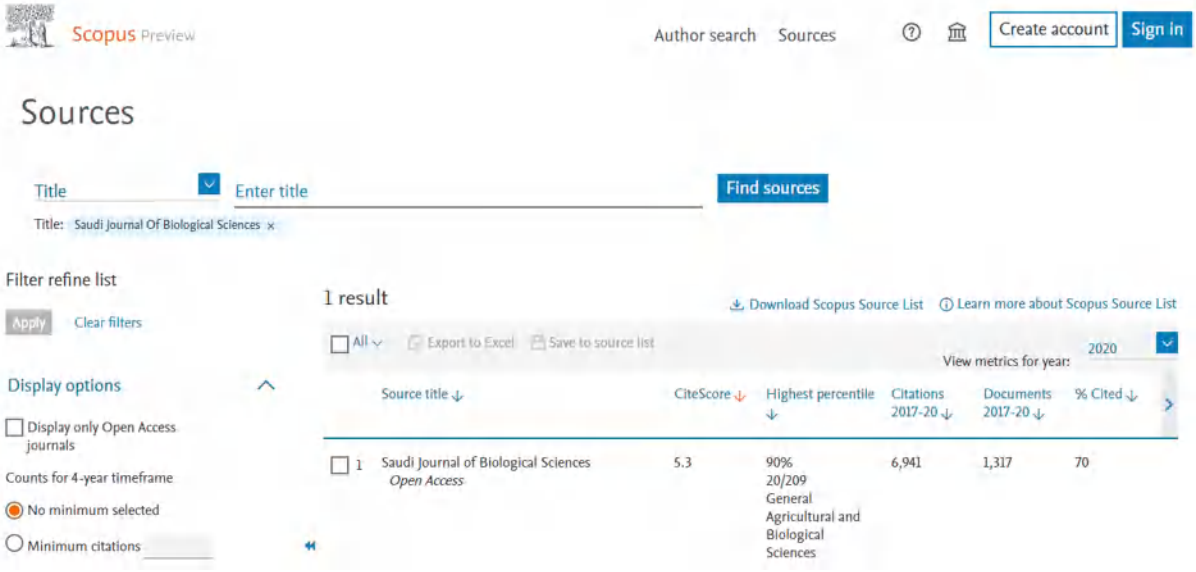
Cytotoxic, larvicidal, nematicidal, and antifeedant activities of piperidin-connected 2-thioxoimidazolidin-4-one derivatives

Ibrahim A. Arif [a], Anis Ahamed [a], Radhakrishnan Surendra Kumar [b], Akbar Idhayadhulla [b], Aseer Manilal [c]

[a] Prince Sultan Research Chair for Environment and Wildlife, Department of Botany & Microbiology, College of Sciences, King Saud University (KSU), Riyadh, Saudi Arabia
[b] Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan University), Puthanampatti 621007, Tiruchirappalli District, Tamil Nadu, India
[c] Department of Medical Laboratory Sciences, College of Medicine and Health Sciences, ArbaMinch University, Arba Minch, Ethiopia

Received 11 October 2017, Revised 13 December 2017, Accepted 19 December 2017, Available online 24 December 2017.

Scopus



Paddle wheel manganese carboxylate metal organic frame work as a host for hydrophilic molecules

doi.org/10.1016/j.molstruc.2018.09.003

ELSEVIER

Journal of Molecular Structure
Volume 1176, 15 January 2019, Pages 591-604

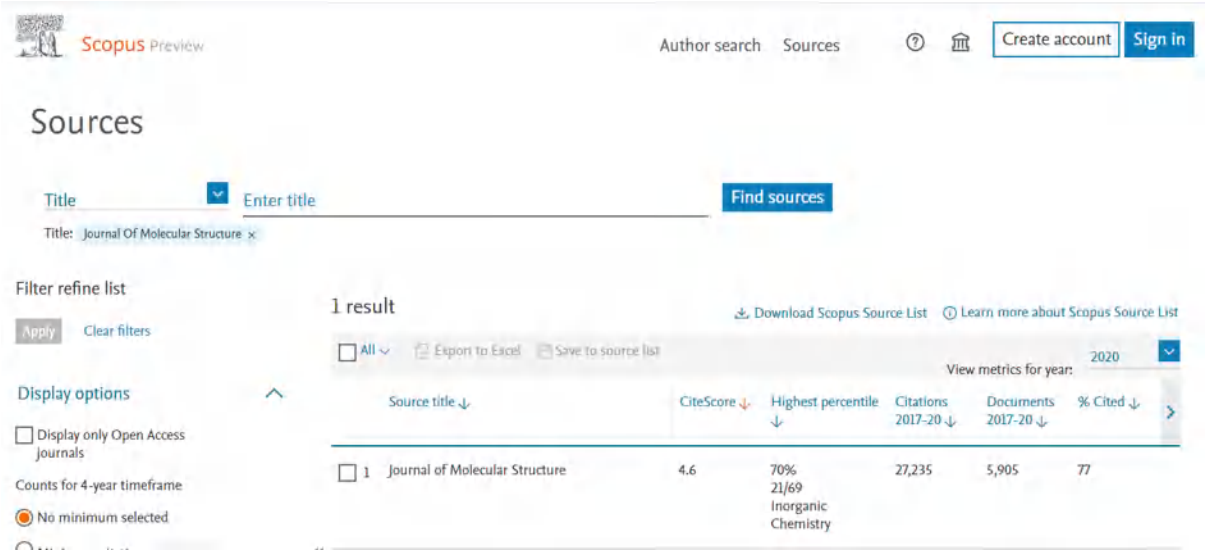
Paddle wheel manganese carboxylate metal organic frame work as a host for hydrophilic molecules

A. Elangovan [a], M. Umadevi [b], V. Muthuraj [c]

[a] PG & Research Department of Chemistry, Thiragarajar College, Madurai, Tamilnadu, 626 001, India
[b] PG & Research Department of Chemistry, Nehru Memorial College, Puthanampatti, Tiruchirappalli, Tamilnadu, 621 007, India
[c] PG & Research Department of Chemistry, V.H.N.S.N.College, Virudhunagar, Tamilnadu, 626 001, India

Received 18 July 2018, Revised 3 September 2018, Accepted 4 September 2018, Available online 7 September 2018.

Scopus



Inhibition study of Erioglaucine disodium salt on carbon steel in hydrochloric acid medium using weight loss, electrochemical and thermodynamic properties

doi.org/10.1016/j.ejpe.2017.07.008

Egyptian Journal of Petroleum
Volume 27, Issue 4, December 2018, Pages 445-454

Full Length Article

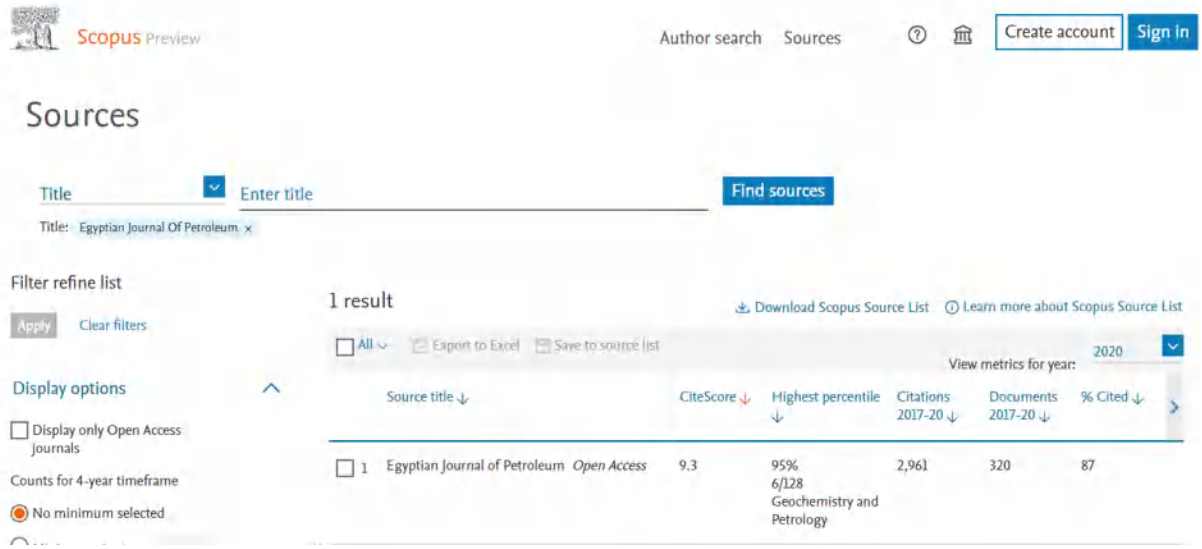
Inhibition study of Erioglaucine disodium salt on carbon steel in hydrochloric acid medium using weight loss, electrochemical and thermodynamic properties

Karumalaiyan Palanisamy [a], Perumal Kannan [b], Alagan Sekar [c]

[a] Department of Chemistry, Srinivasan College of Arts and Science, Perambalur 621 212, Tamil Nadu, India
[b] Department of Chemistry, Anna University, Chennai 600 025, Tamil Nadu, India
[c] Department of Chemistry, Nehru Memorial College, Puthanampatti, Trichy 621 107, Tamil Nadu, India

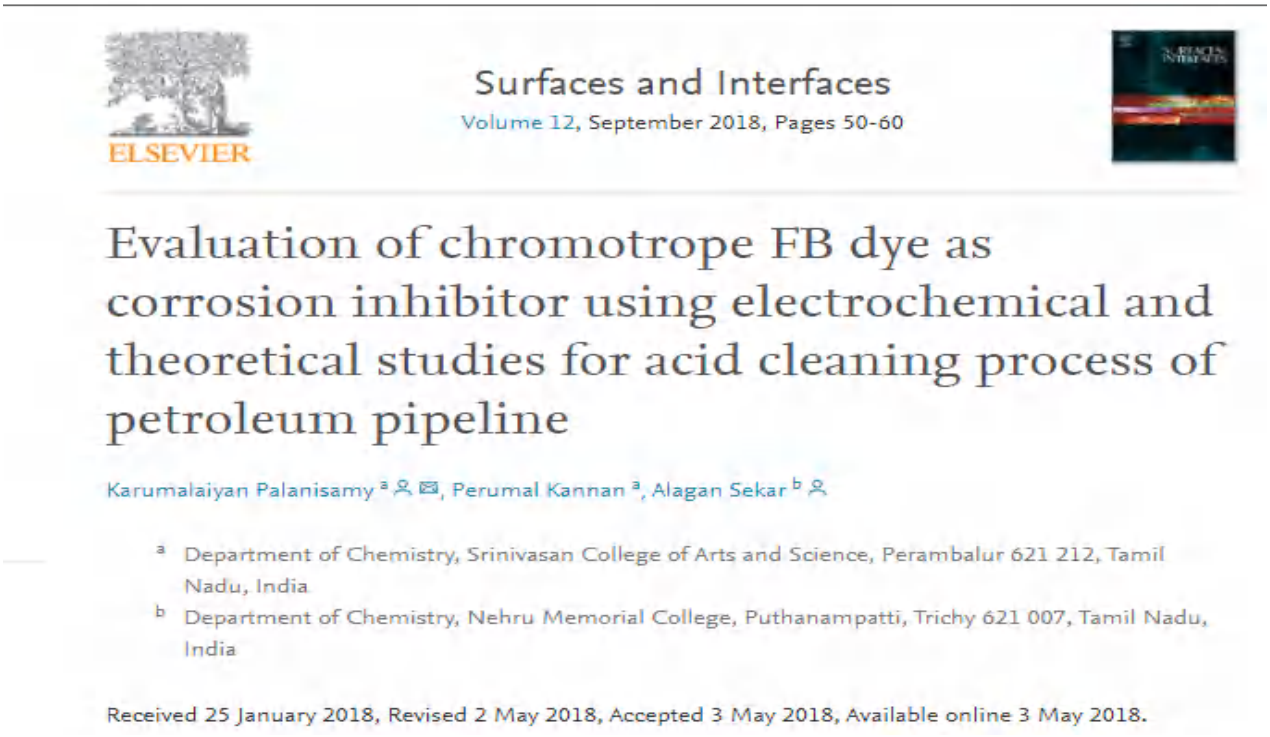
Received 3 April 2017, Revised 21 June 2017, Accepted 13 July 2017, Available online 27 July 2017.

Scopus



Evaluation of chromotrope FB dye as corrosion inhibitor using electrochemical and theoretical studies for acid cleaning process of petroleum pipeline

doi.org/10.1016/j.surfin.2018.05.005



ELSEVIER

Surfaces and Interfaces

Volume 12, September 2018, Pages 50-60

Evaluation of chromotrope FB dye as corrosion inhibitor using electrochemical and theoretical studies for acid cleaning process of petroleum pipeline

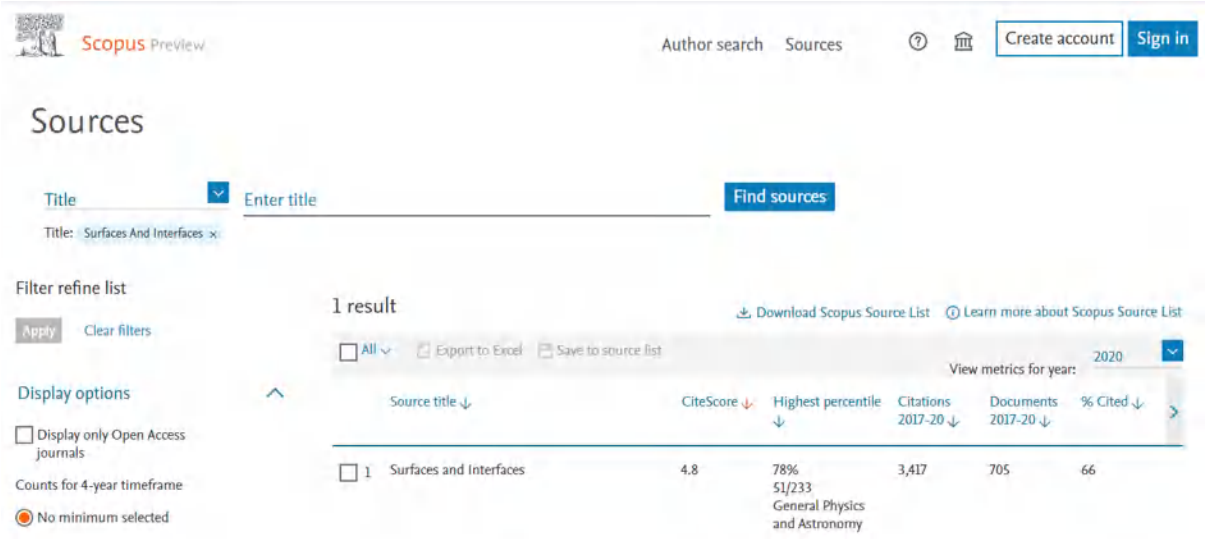
Karumalaiyan Palanisamy [a], Perumal Kannan [a], Alagan Sekar [b]

[a] Department of Chemistry, Srinivasan College of Arts and Science, Perambalur 621 212, Tamil Nadu, India

[b] Department of Chemistry, Nehru Memorial College, Puthanampatti, Trichy 621 007, Tamil Nadu, India

Received 25 January 2018, Revised 2 May 2018, Accepted 3 May 2018, Available online 3 May 2018.

Scopus



Professional Development Needs of Manpower In Education in India.

ISSN: 1548-7741

Journal of Information and Computational Science **ISSN: 1548-7741**

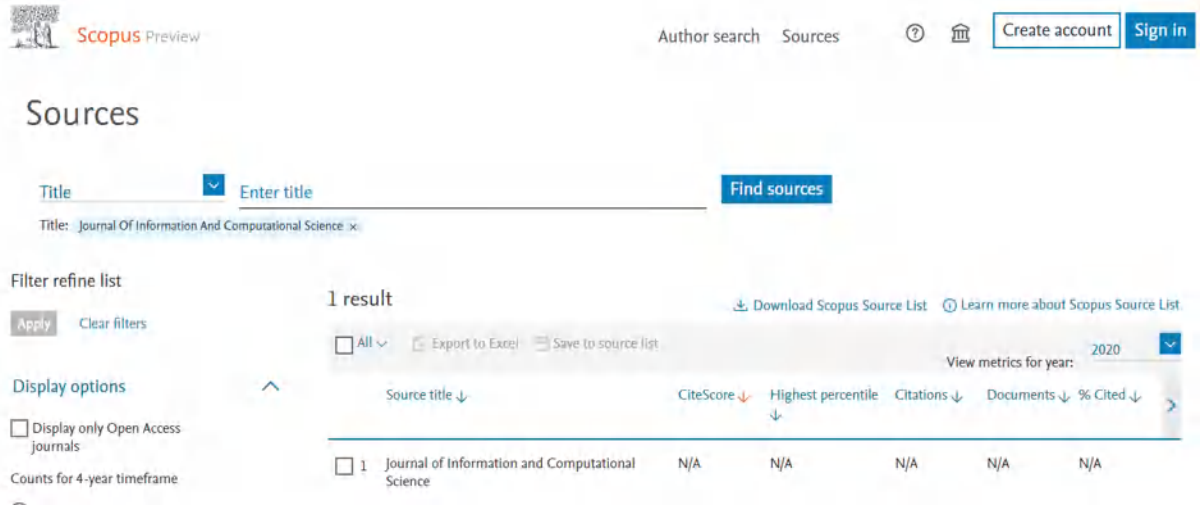
PROFESSIONAL DEVELOPMENT NEEDS OF MANPOWER IN EDUCATION IN INDIA

Mrs. N. THILAGAVATHI** **Mrs Dr.T. PORSELVI ***

*** **N.Thilagavathi** Research Scholar, Department of Economics, Nehru Memorial College, Putthanampatti (Affiliated to Bharathidasan University), Trichy Dist.*

** **Dr.T.Porselvi** Assistant Professor in Economics, Nehru Memorial College, Putthanampatti (Affiliated to Bharathidasan University), Trichy Dist.*

Scopus



Phytochemical Analysis and Antimicrobial Activity of BersamaabyssinicaFresen against Multidrug-Resistant Bacterial Uropathogens: PicolinylHydrazide Is a Major Compound

doi.org/10.1080/10496475.2019.1635940

JOURNAL OF HERBS, SPICES & MEDICINAL PLANTS
https://doi.org/10.1080/10496475.2019.1635940

Taylor & Francis
Taylor & Francis Group

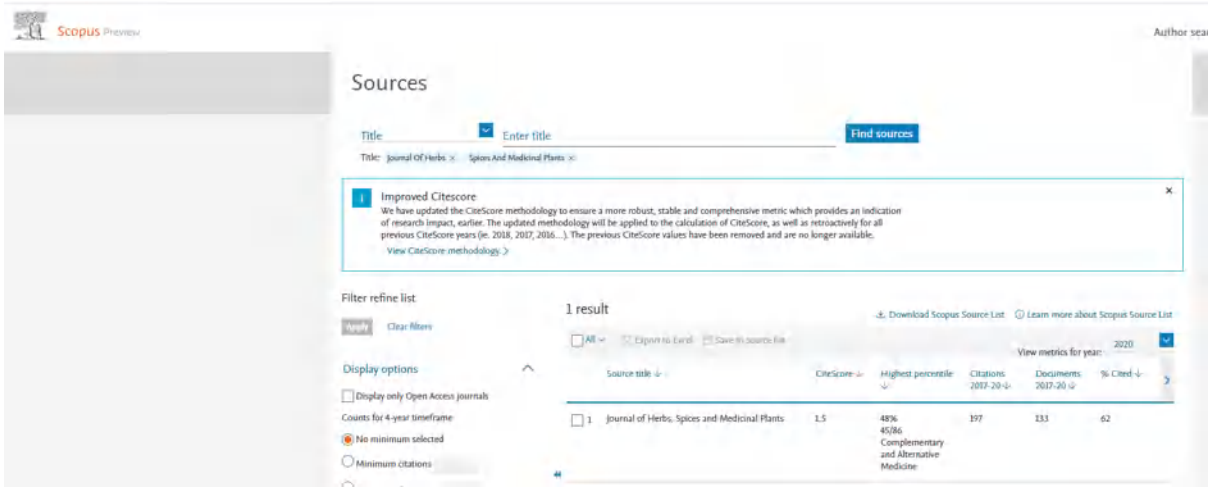
Check for updates

Phytochemical Analysis and Antimicrobial Activity of *Bersama abyssinica* Fresen against Multidrug-Resistant Bacterial Uropathogens: Picolinyl Hydrazide Is a Major Compound

Gemechu Ameya [a], Aseer Manilal[a], and Akbar Idhayadhulla[b]

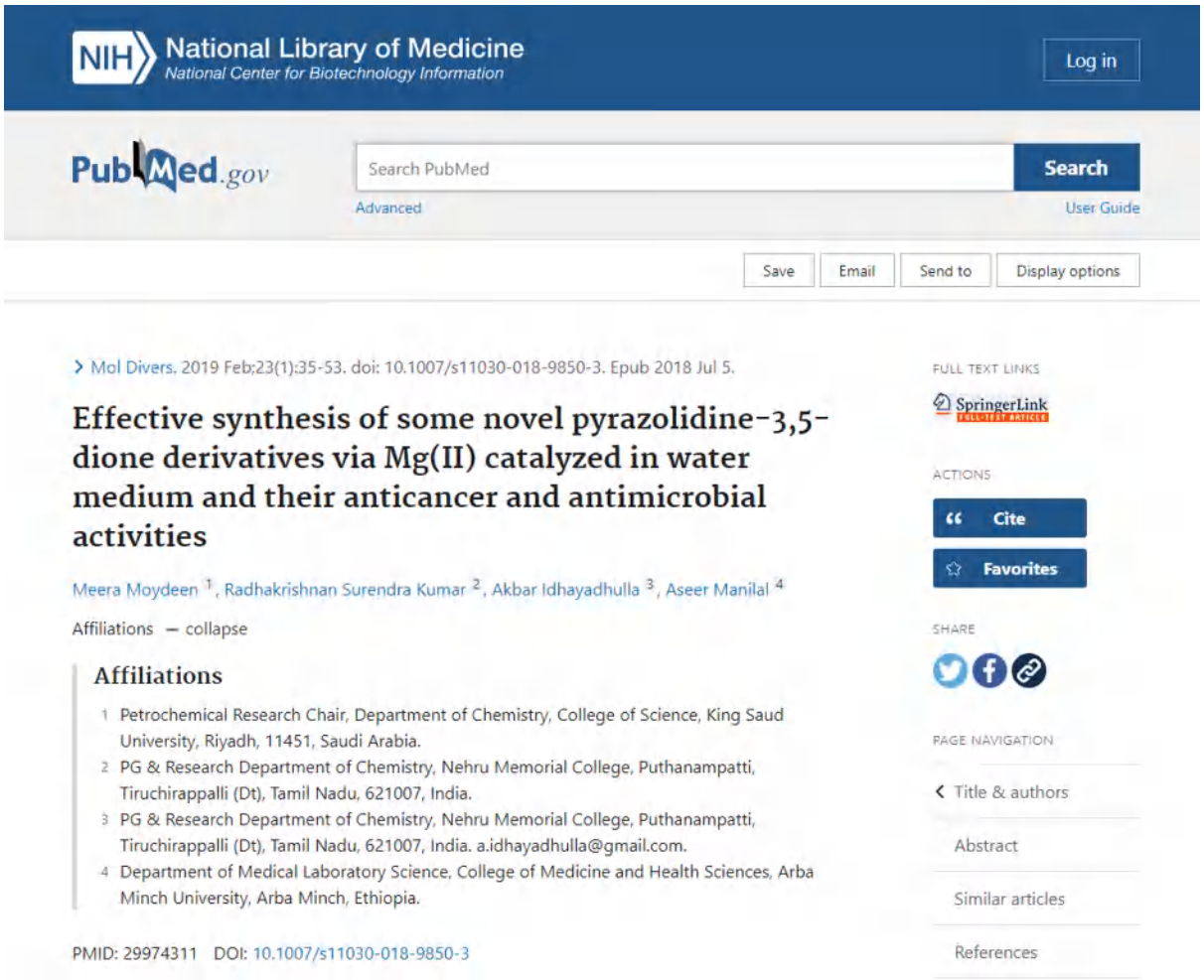
[a]Department of Medical Laboratory Science, College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia; [b]Department of Chemistry, Nehru Memorial College, Trichirapalli, India

Scopus

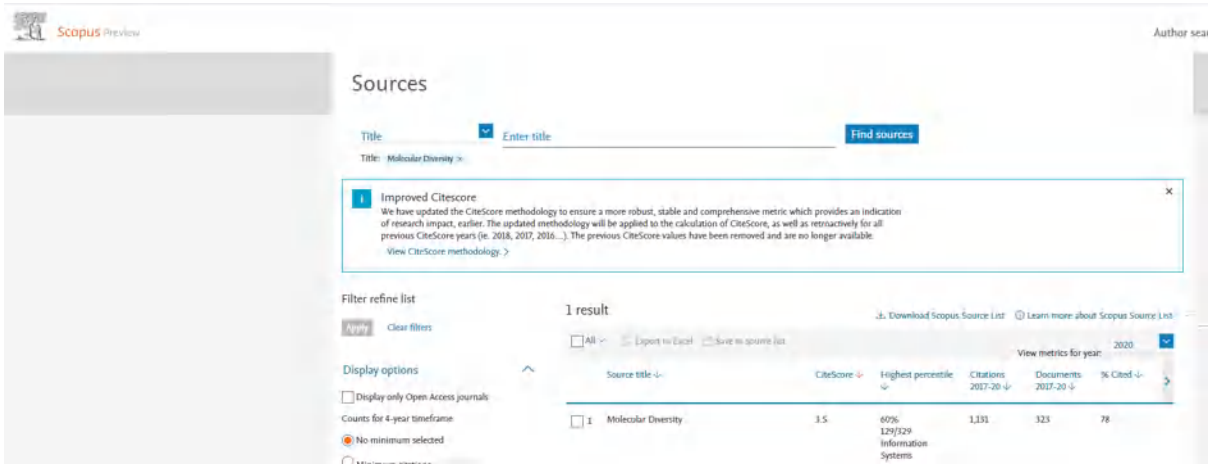


Effective synthesis of some novel pyrazolidine-3,5-dione derivatives via Mg(II) catalyzed in water medium and their anticancer and antimicrobial activities

doi.org/10.3390/polym13071046



Scopus



Synthesis of novel benzopyran-connected pyrimidine and pyrazole derivatives *via* a green method using Cu(II)-tyrosinase enzyme catalyst as potential larvicidal, antifeedant activities

doi.org/10.1039/C9RA04496E

Issue 44, 2019, Issue in Progress

Previous Article Next Article

From the journal:
RSC Advances

Synthesis of novel benzopyran-connected pyrimidine and pyrazole derivatives *via* a green method using Cu(II)-tyrosinase enzyme catalyst as potential larvicidal, antifeedant activities

Check for updates

Ashraf Abdel-Fattah Mostafa,[ac] Chidambaram SathishKumar,[b] Abdulaziz Abdulrahman Al-Askar,[d] Shaban R. M. Sayed,[d] Radhakrishnan SurendraKumar[b] and Akbar Idhayadhulla *[b]

Author affiliations

* Corresponding authors

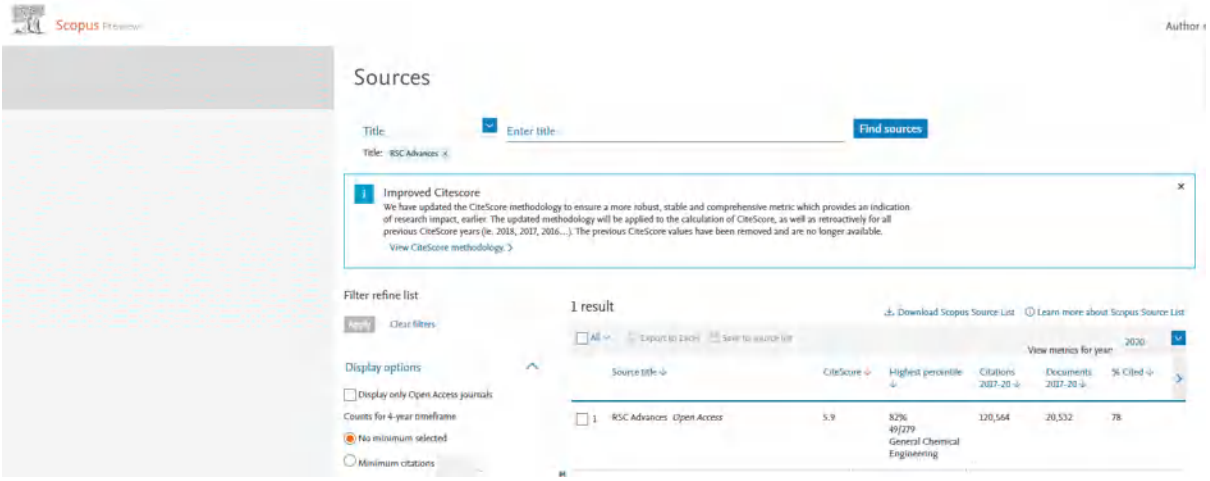
[a] Botany and Microbiology Dept. College of Science, King Saud University, Riyadh, Kingdom of Saudi Arabia

[b] Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan University), Puthanampatti-621007, Tiruchirappalli District, Tamil Nadu, South India
E-mail: a.idhayadhulla@gmail.com, idhayadhulla@nmc.ac.in

[c] National Institute of Oceanography and Fisheries, Al-Kanater Fish Research Station, Egypt

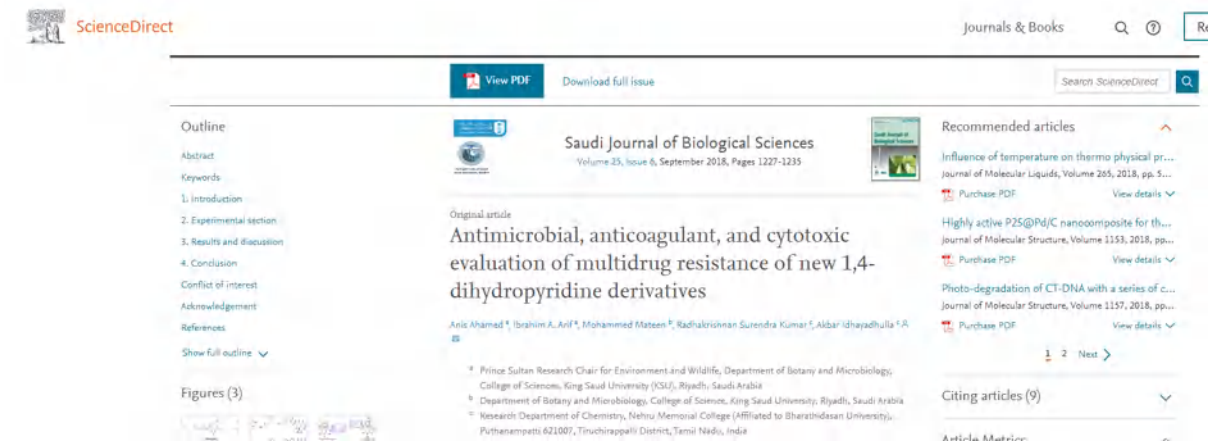
[d] Electron Microscope Unit, Central Lab., College of Science, King Saud University, Kingdom of Saudi Arabia

Scopus

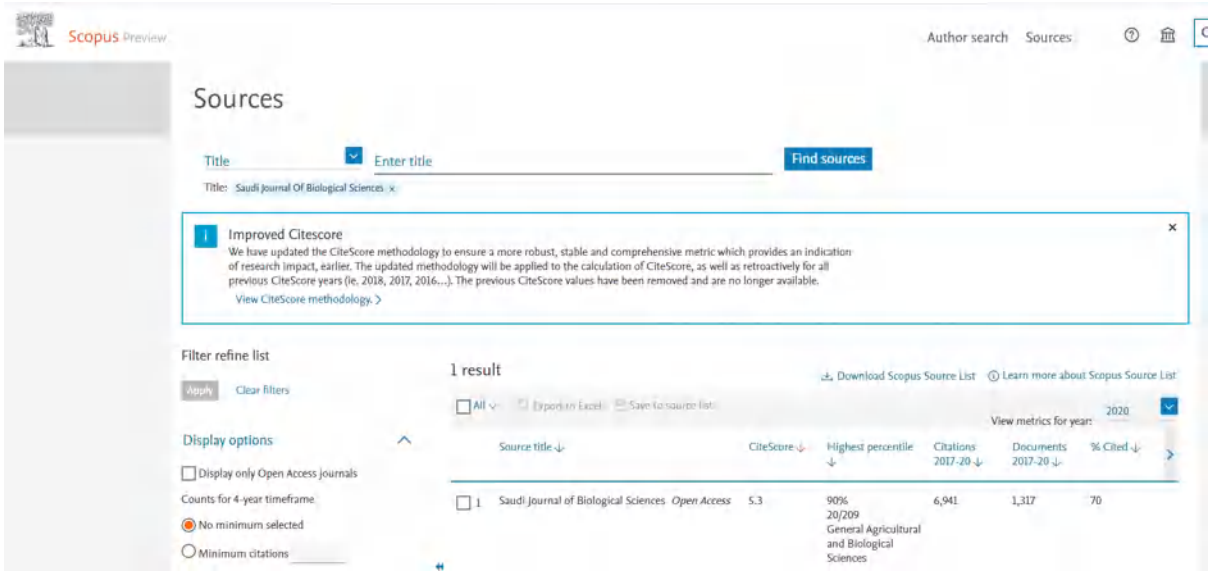


Antimicrobial, anticoagulant, and cytotoxic evaluation of multidrug resistance of new 1,4-dihydropyridine derivatives

doi.org/10.3390/polym13071046



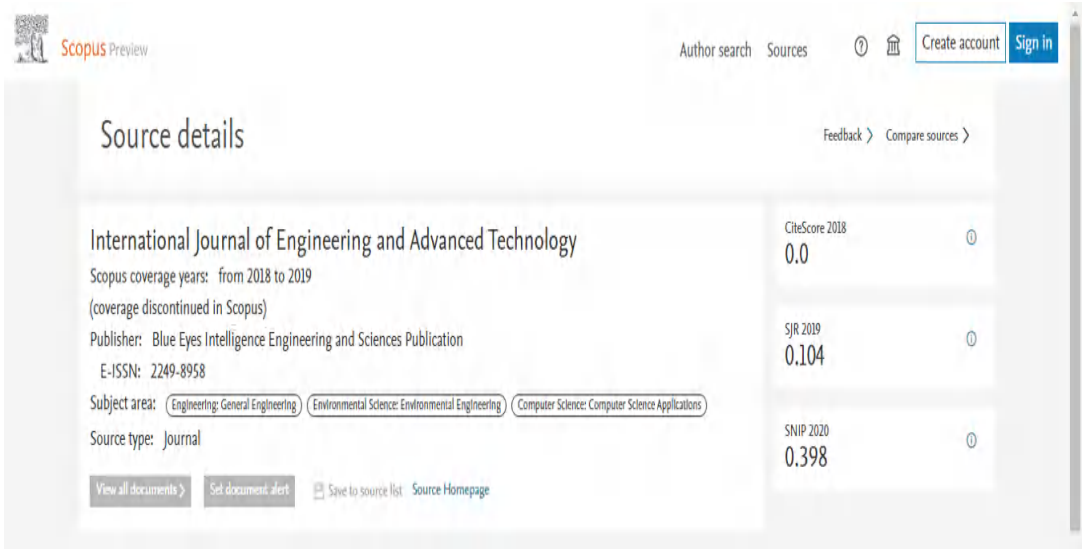
Scopus



Performance Comparison Of The Cloud Optimized Eclat Growth And Multi-Core Processing Cloud Eclat Growth

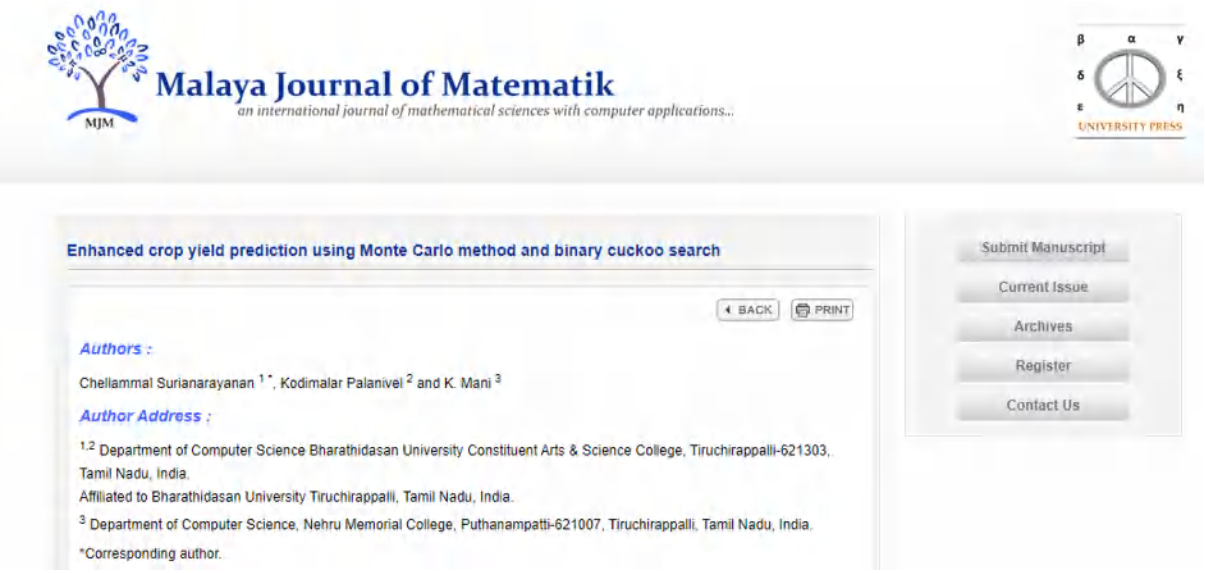
ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019

Scopus

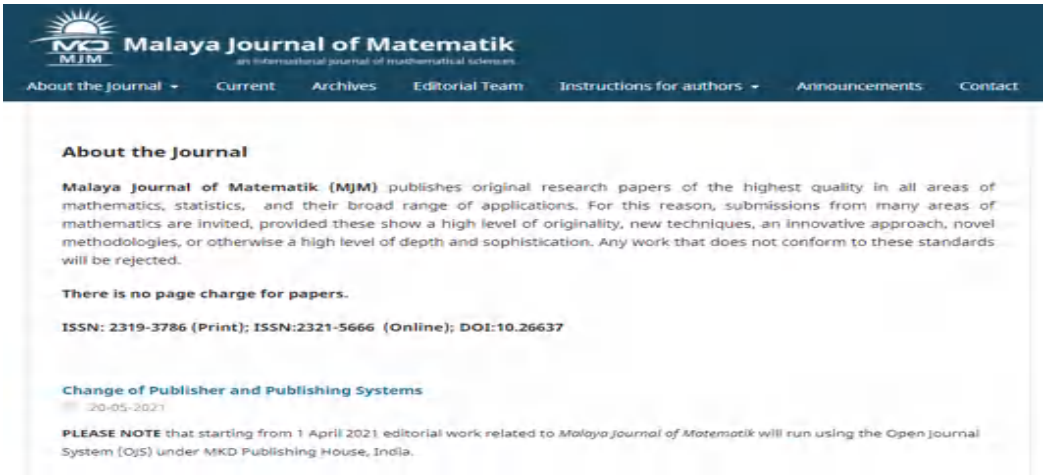


Enhanced crop yield prediction using Monte Carlo method and binary cuckoo search

DOI: 10.26637/MJM0804/0074

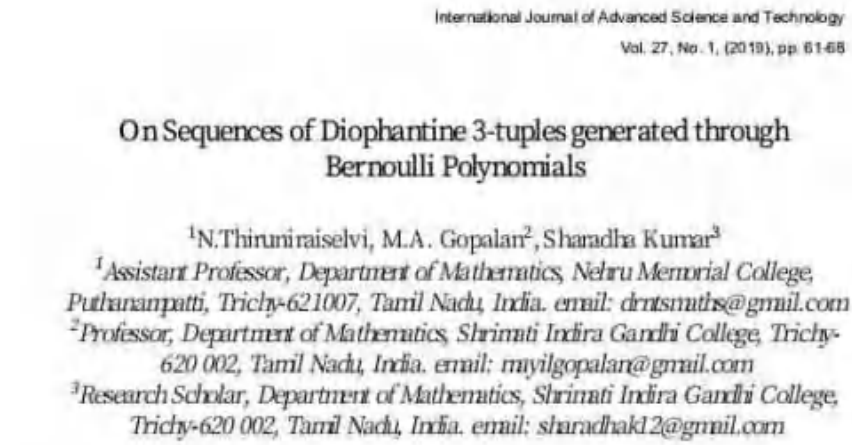


Scopus



On sequences of Diophantine 3-tuples generated through Bernoulli polynomials

Vol. 27, No.1,(2019), pp.61-68

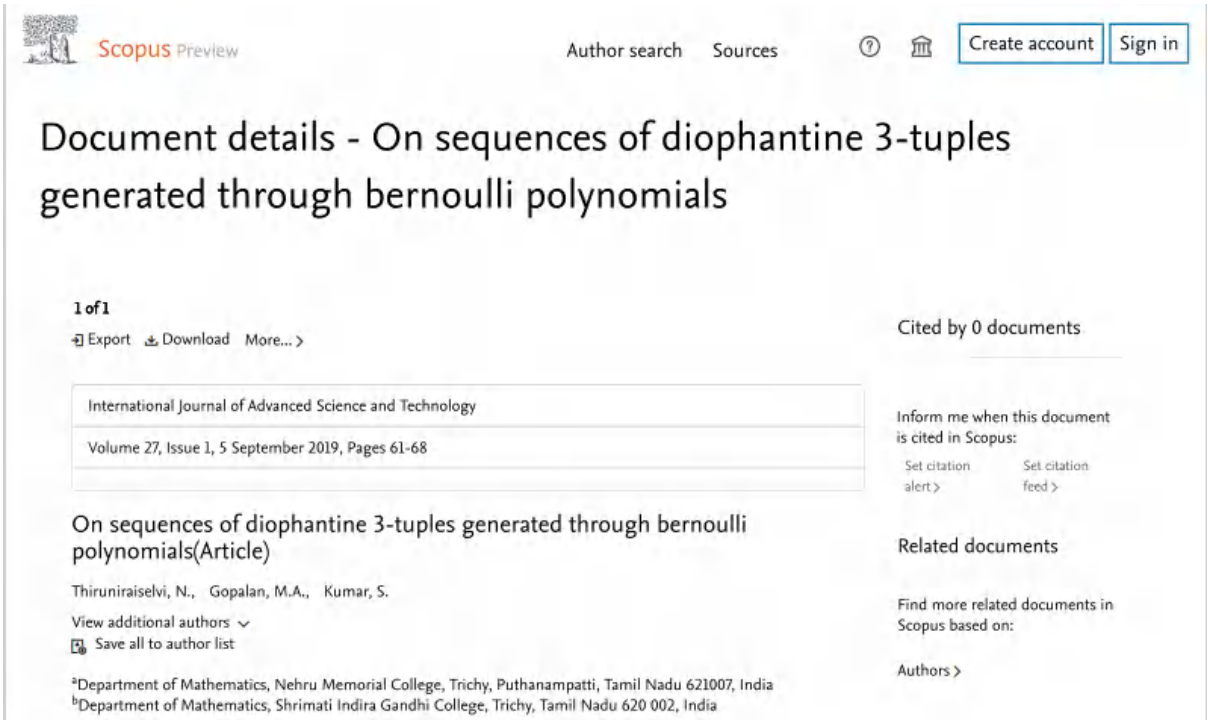


International Journal of Advanced Science and Technology
Vol. 27, No. 1, (2019), pp. 61-68

On Sequences of Diophantine 3-tuples generated through Bernoulli Polynomials

[1]N.Thiruniraiselvi, M.A. Gopalan[2], Sharadha Kumar[3]
[1]Assistant Professor, Department of Mathematics, Nehru Memorial College, Puthanampatti, Trichy-621007, Tamil Nadu, India. email: drntsmaths@gmail.com
[2]Professor, Department of Mathematics, Shrimati Indira Gandhi College, Trichy-620 002, Tamil Nadu, India. email: mayilgopalan@gmail.com
[3]Research Scholar, Department of Mathematics, Shrimati Indira Gandhi College, Trichy-620 002, Tamil Nadu, India. email: sharadhak12@gmail.com

Scopus



Scopus Preview Author search Sources Create account Sign in

Document details - On sequences of diophantine 3-tuples generated through bernoulli polynomials

1 of 1
Export Download More...

International Journal of Advanced Science and Technology
Volume 27, Issue 1, 5 September 2019, Pages 61-68

On sequences of diophantine 3-tuples generated through bernoulli polynomials(Article)

Thiruniraiselvi, N., Gopalan, M.A., Kumar, S.

View additional authors
Save all to author list

[a]Department of Mathematics, Nehru Memorial College, Trichy, Puthanampatti, Tamil Nadu 621007, India
[b]Department of Mathematics, Shrimati Indira Gandhi College, Trichy, Tamil Nadu 620 002, India

Cited by 0 documents

Inform me when this document is cited in Scopus:
Set citation alert > Set citation feed >

Related documents

Find more related documents in Scopus based on:
Authors >

Twain positive and negative domination in bipolar fuzzy graphs

ASIA LIFE SCIENCES **Supplement 14, Number 1:** 43-50, 2017
The Asian International Journal of Life Sciences

Twain positive and negative domination in bipolar fuzzy graphs

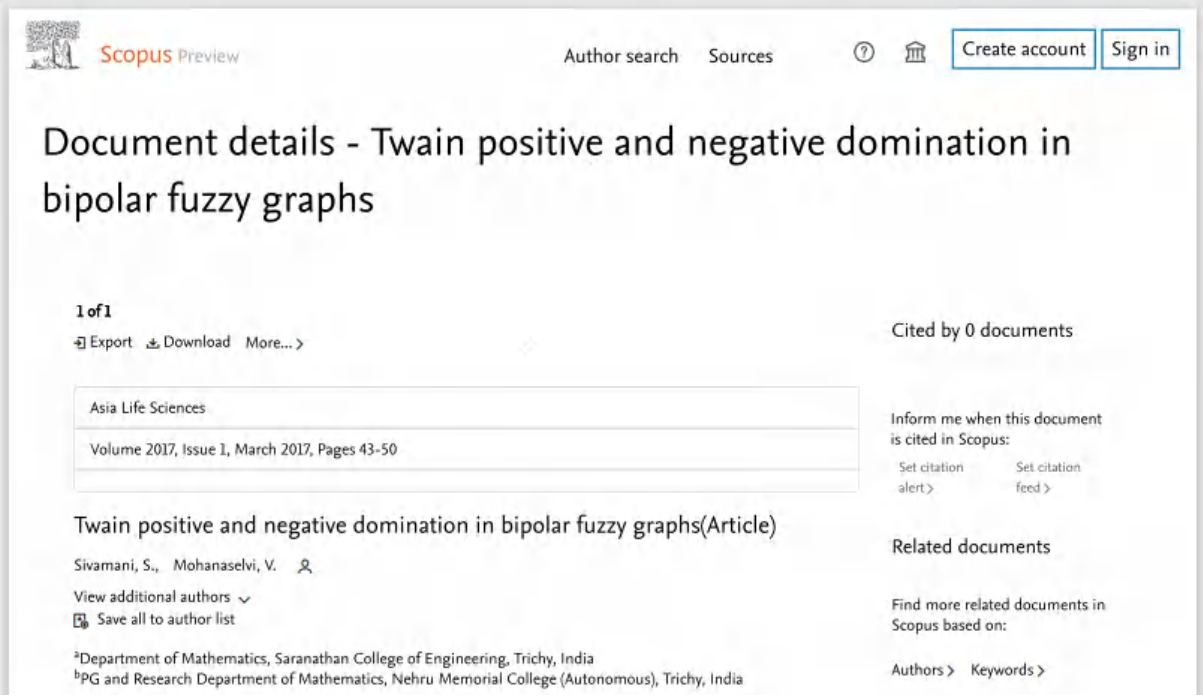
S. SIVAMANI[1,*] and V. MOHANASELVI[2]

[1]Department of Mathematics, Saranathan College of Engineering, Trichy, India

[2]PG & Research Department of Mathematics, Nehru Memorial College (Autonomous), Trichy, India
e-mail: vmohanaselvi@gmail.com

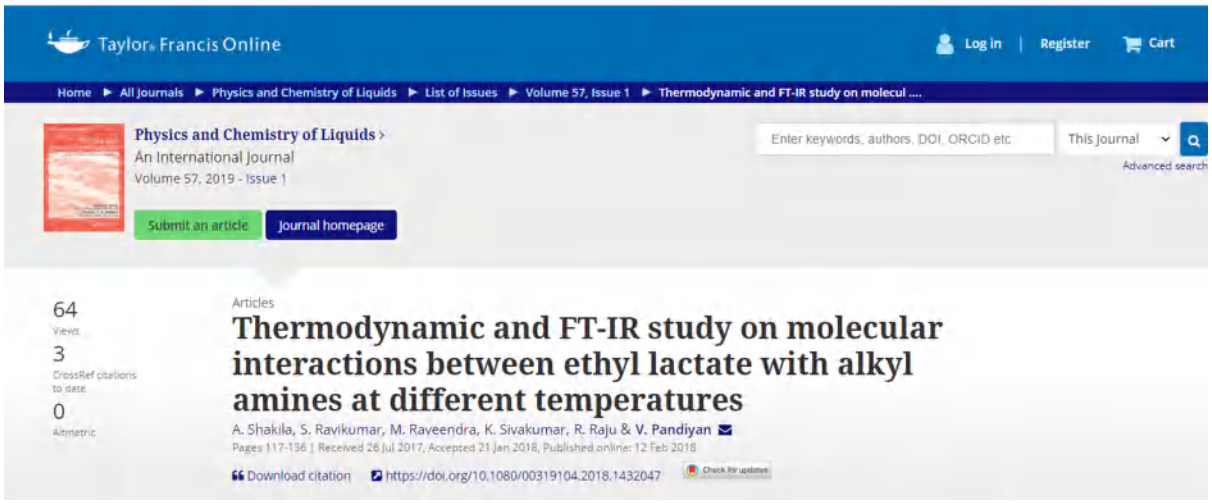
[*]Corresponding author: e-mail - winmayi2012@gmail.com

Scopus

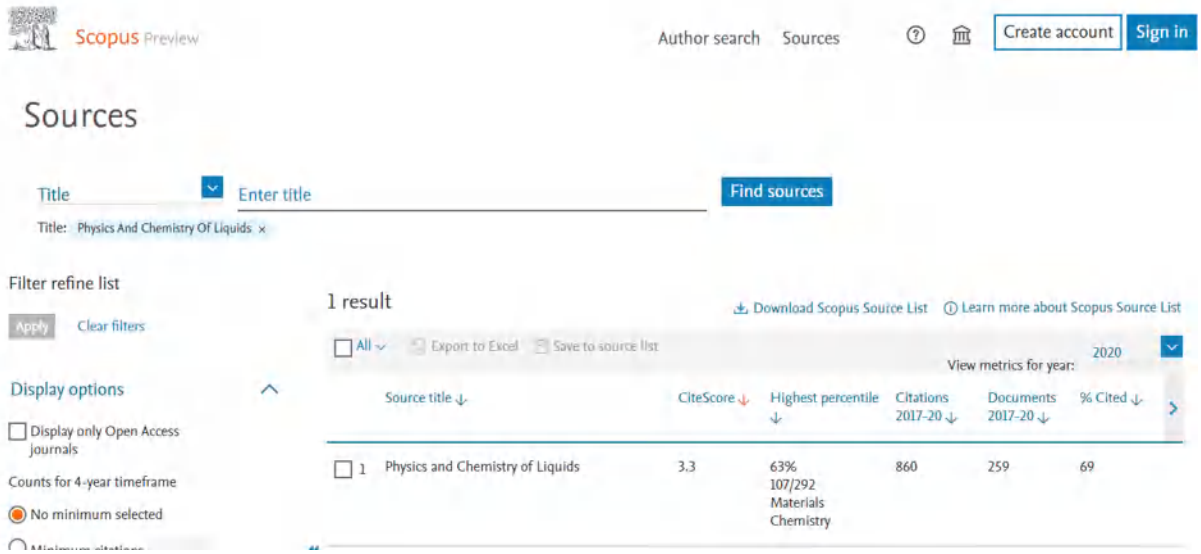


Thermodynamic and FT-IR study on molecular interactions between ethyl lactate with alkyl amines at different temperatures

doi.org/10.1080/00319104.2018.1432047

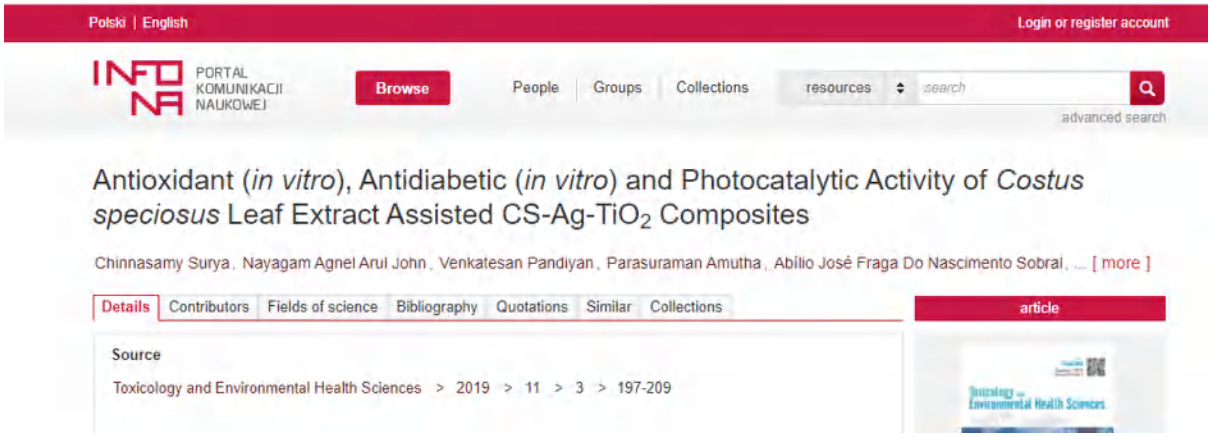


Scopus

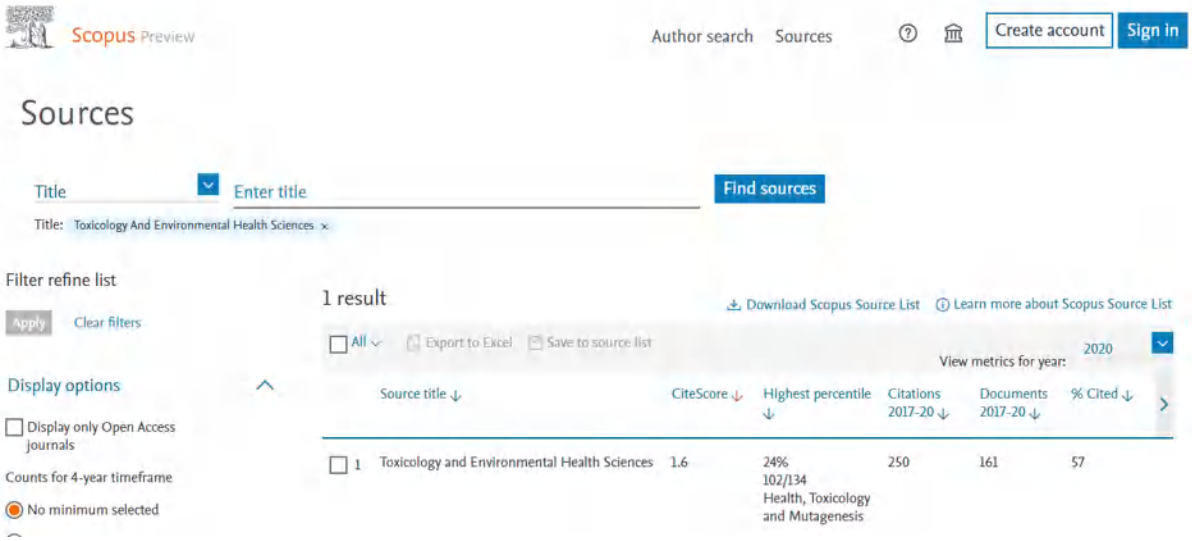


Antioxidant (in vitro), Antidiabetic (in vitro) and Photocatalytic Activity of Costus speciosus Leaf Extract Assisted CS-Ag-TiO2 Composites

DOI10.1007/s13530-019-0404-6

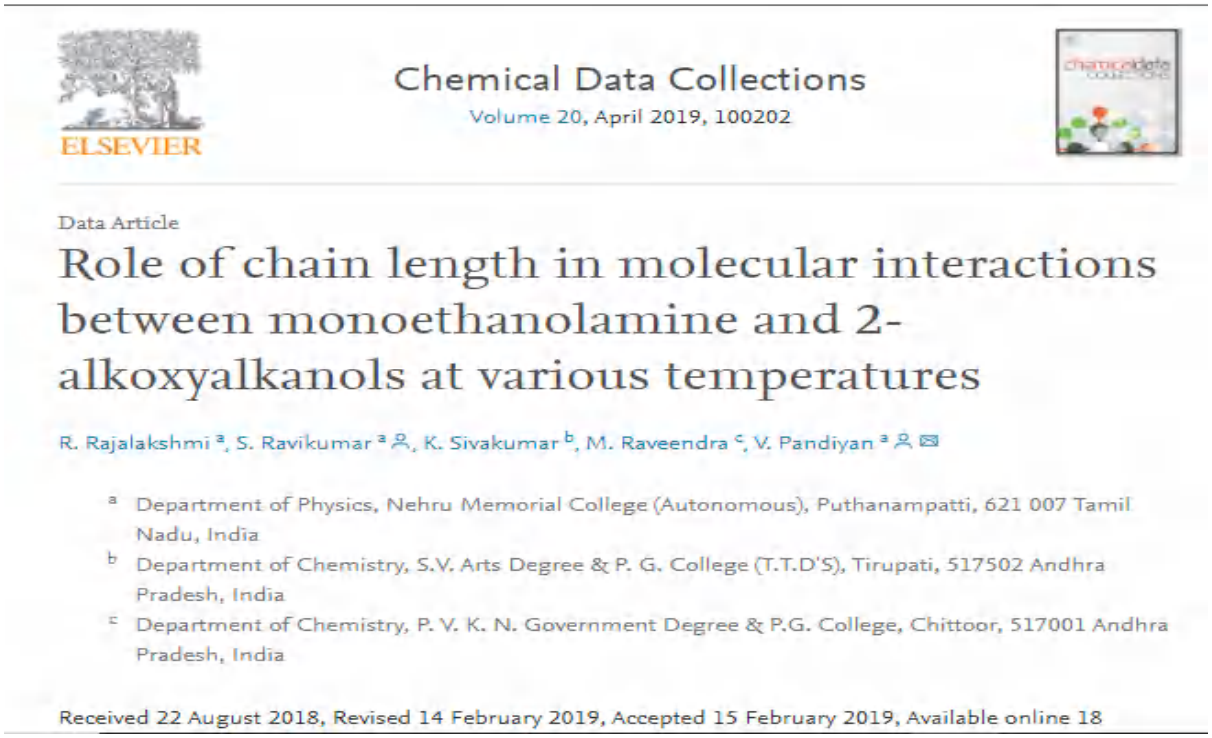


Scopus



Role of chain length in molecular interactions between monoethanolamine and 2-alkoxyalkanols at various temperatures.

doi.org/10.1016/j.cdc.2019.100202



ELSEVIER

Chemical Data Collections
Volume 20, April 2019, 100202

Data Article

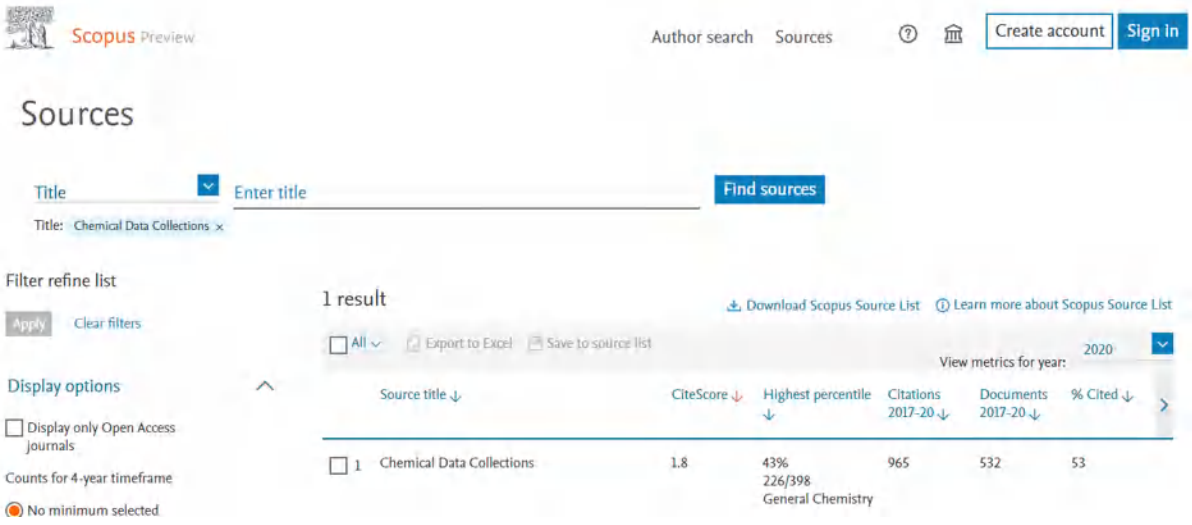
Role of chain length in molecular interactions between monoethanolamine and 2-alkoxyalkanols at various temperatures

R. Rajalakshmi [a], S. Ravikumar [a], K. Sivakumar [b], M. Raveendra [c], V. Pandiyan [a]

[a] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, 621 007 Tamil Nadu, India
[b] Department of Chemistry, S.V. Arts Degree & P. G. College (T.T.D'S), Tirupati, 517502 Andhra Pradesh, India
[c] Department of Chemistry, P. V. K. N. Government Degree & P.G. College, Chittoor, 517001 Andhra Pradesh, India

Received 22 August 2018, Revised 14 February 2019, Accepted 15 February 2019, Available online 18

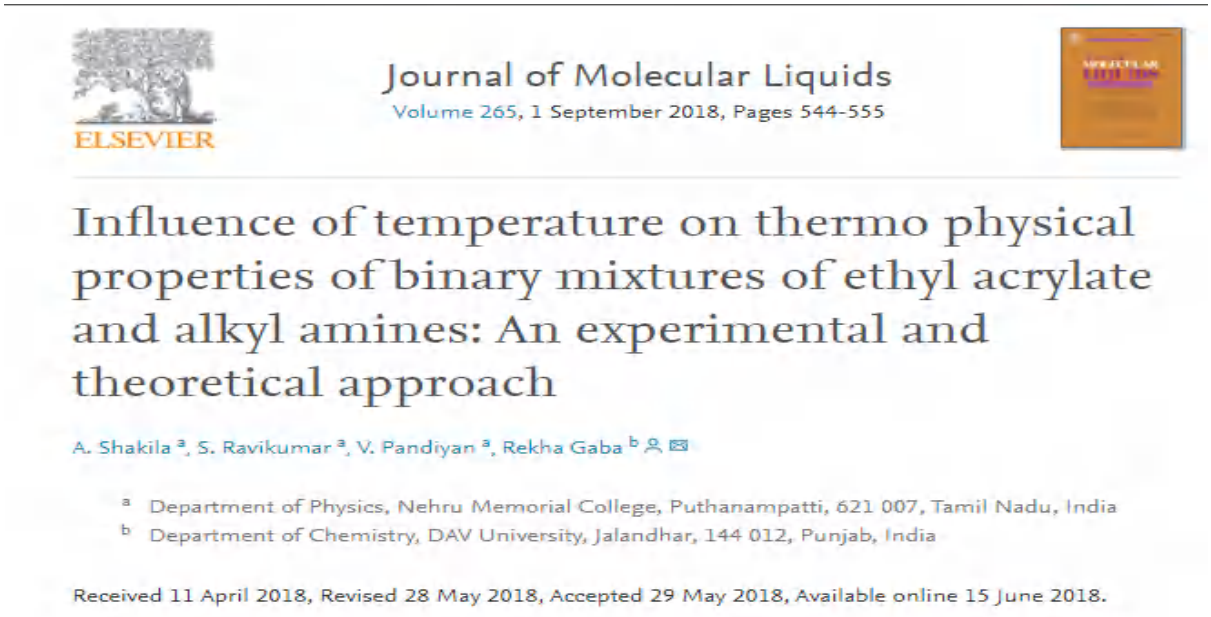
Scopus



Influence of temperature on thermo physical properties of binary mixtures of ethyl acrylate and alkyl amines: An experimental and theoretical approach

doi.org/

10.1016/j.molliq.2018.05.130



ELSEVIER

Journal of Molecular Liquids

Volume 265, 1 September 2018, Pages 544-555

Influence of temperature on thermo physical properties of binary mixtures of ethyl acrylate and alkyl amines: An experimental and theoretical approach

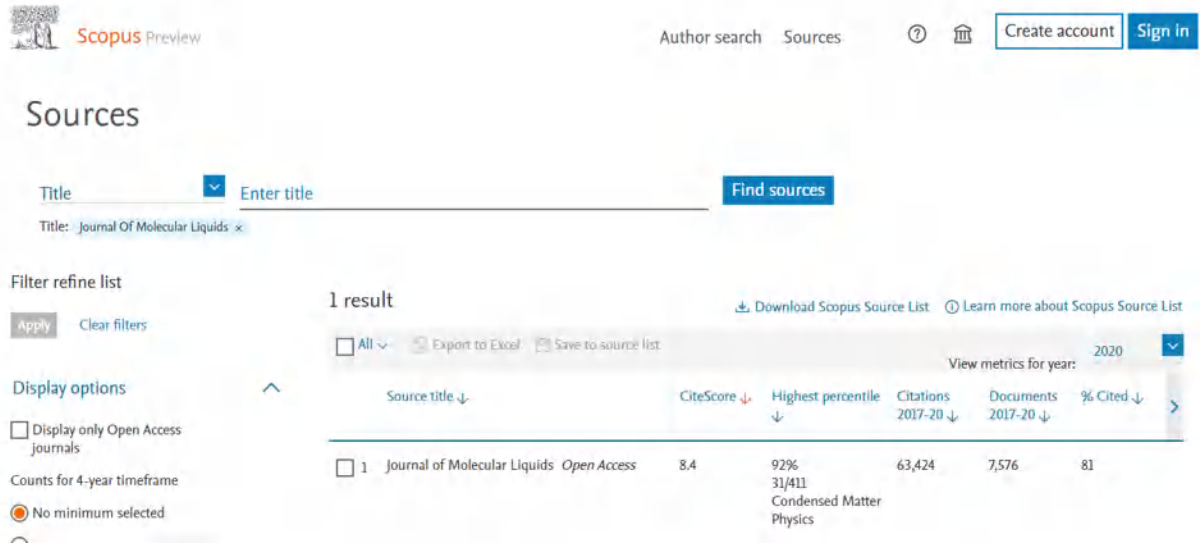
A. Shakila [a], S. Ravikumar [a], V. Pandiyan [a], Rekha Gaba [b]

[a] Department of Physics, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India

[b] Department of Chemistry, DAV University, Jalandhar, 144 012, Punjab, India

Received 11 April 2018, Revised 28 May 2018, Accepted 29 May 2018, Available online 15 June 2018.

Scopus



Gelatin-assisted g-TiO2/BiOI heterostructure nanocomposites for azo dye degradation under visible light

doi.org/10.1016/j.jece.2018.06.035

Journal of Environmental Chemical Engineering
Volume 6, Issue 4, August 2018, Pages 4282-4288

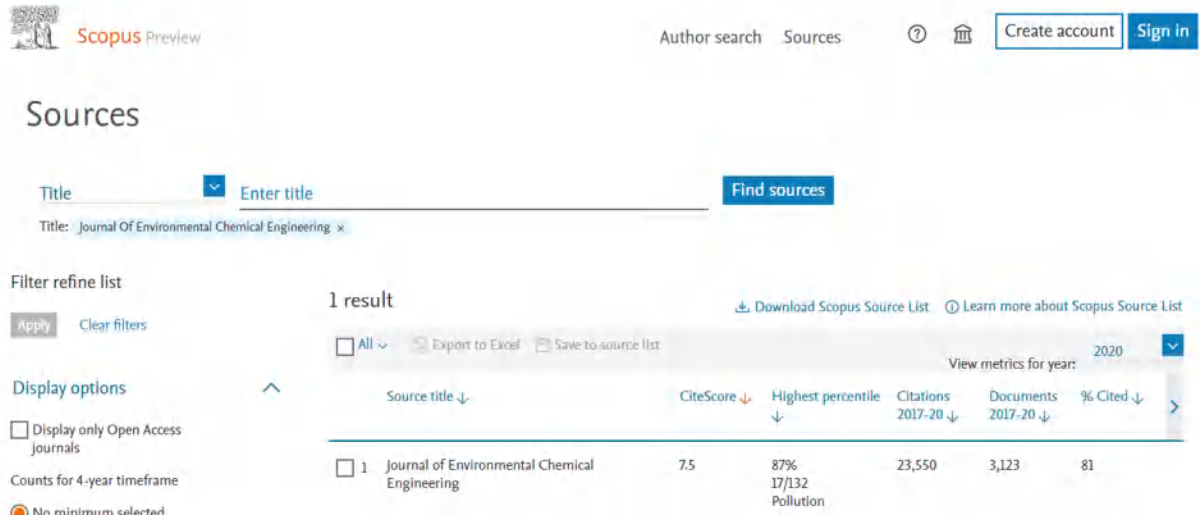
Gelatin-assisted g-TiO_2/BiOI heterostructure nanocomposites for azo dye degradation under visible light

Balu Krishnakumar [a], R. Hariharan [b], V. Pandiyan [c], António Aguiar [a], Abilio J.F.N. Sobral [a]

[a] Department of Chemistry, University of Coimbra, 3004-535 Coimbra, Portugal
[b] Department of Mechanical Engineering, KCG College of Technology, Chennai 600 097, Tamil Nadu, India
[c] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, 621 007, Tamil Nadu, India

Received 3 May 2018, Revised 8 June 2018, Accepted 14 June 2018, Available online 15 June 2018.

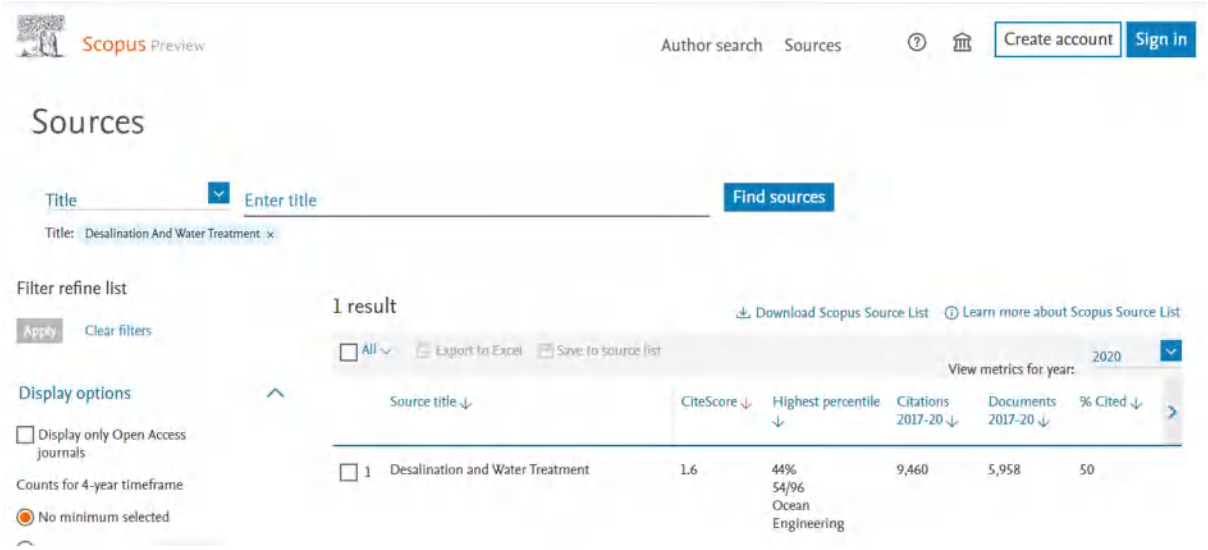
Scopus



Solar and visible active amino porphyrin/SiO2â€“ZnO for the degradation of naphthol blue black

doi.org/10.1080/19443994.2013.792131

Scopus



GREY-HEADED LAPWING Sighting of Vanellus cinereus in Koothappar Big Tank in Tiruchirappalli District, Tamil Nadu

ZOO'S PRINT

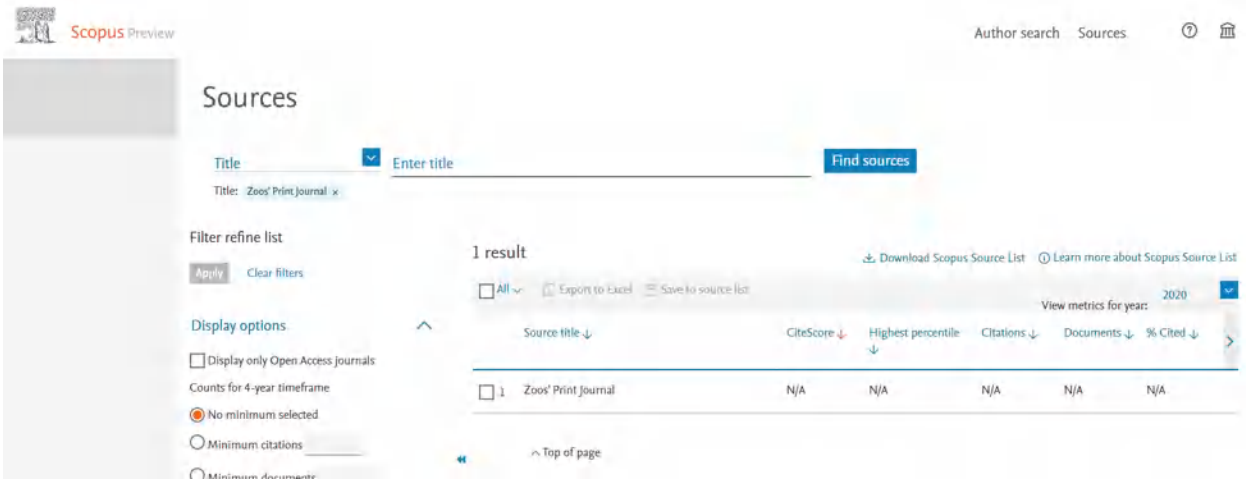
Communicating science for conservation

Vol. XXXIV, No. 2, February 2019 ISSN 0971-6378 (Print); 0973-2543 (Online)

T. Siva[1] & P. Neelanarayanan[2]

[1&2] Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India. Email: [1]sivanaturewild@gmail.com (Corresponding author), [2]dr.pnn31@gmail.com

Citation: Siva, T. & P. Neelanarayanan (2019). Grey-headed Lapwing: Sighting of *Vanellus cinereus* in Koothappar Big Tank in Tiruchirappalli District, Tamil Nadu. Bird-o-soar #25. In: *Zoo's Print* 34(2): 15-17



Checklist of Butterflies of Nehru Memorial College and Puthanampatti village, Tiruchirappalli District, Tamil Nadu

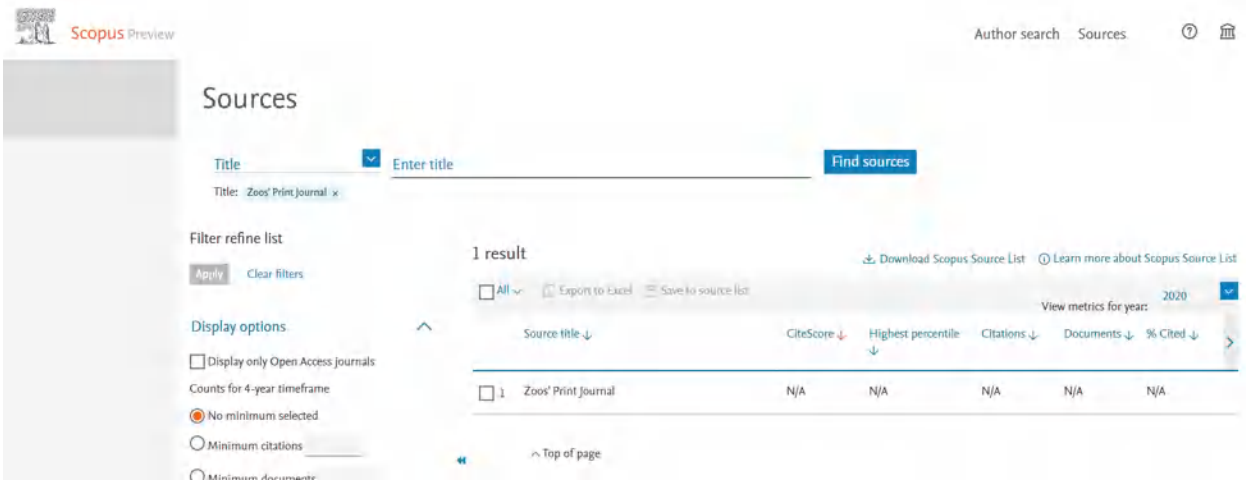
ISSN 2230-7052

T. Siva[1] & P. Neelanarayanan[2]

[1&2] Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India. Email: [1]sivanaturewild@gmail.com (Corresponding author), [2]dr.pnn31@gmail.com

Citation: Siva, T. & P. Neelanarayanan (2019). Grey-headed Lapwing: Sighting of *Vanellus cinereus* in Koothappar Big Tank in Tiruchirappalli District, Tamil Nadu. Bird-o-soar #25. In: *Zoo's Print* 34(2): 15-17

Scopus



2019-2020

Realisation of parallel logic elements and memory latch in a quasiperiodically-driven simple nonlinear circuit

https://doi.org/10.1007/s12043-020-1939-4

SpringerLink

Published: 21 May 2020

Realisation of parallel logic elements and memory latch in a quasiperiodically-driven simple nonlinear circuit

M Sathish Aravindh, R Gopal, A Venkatesan & M Lakshmanan

Pramana **94**, Article number: 78 (2020) | Cite this article

92 Accesses | **2** Citations | Metrics

Author information

Affiliations

P.G. and Research Department of Physics, Nehru Memorial College (Autonomous), Affiliated to Bharathidasan University, Puthanampatti, Tiruchirappalli, 621 007, India

M Sathish Aravindh & A Venkatesan

Centre for Nonlinear Science and Engineering, School of Electrical and Electronics Engineering, SASTRA University, Thanjavur, 613 401, India

R Gopal

Department of Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirappalli, 620 024, India

M Sathish Aravindh & M Lakshmanan

Corresponding author

Correspondence to A Venkatesan.

Scopus

Scopus Preview

Author search Sources

Source details

Feedback > Co

Pramana - Journal of Physics

Scopus coverage years: from 1973 to Present

Publisher: Springer Nature

ISSN: 0304-4289 E-ISSN: 0973-7111

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Journal

View all documents > Set document alert Save to source list Source Homepage

CiteScore 2020
3.4

SJR 2020
0.513

SNIP 2020
0.901

Thermoluminescencecharcteristics studies of phosphor material with anti-bacterial activity

DOI: http://dx.doi.org/10.31838/jcr.07.01.106

Journal of Critical Reviews

ISSN- 2394-5125 Vol 7, Issue 1, 2020

Review Article

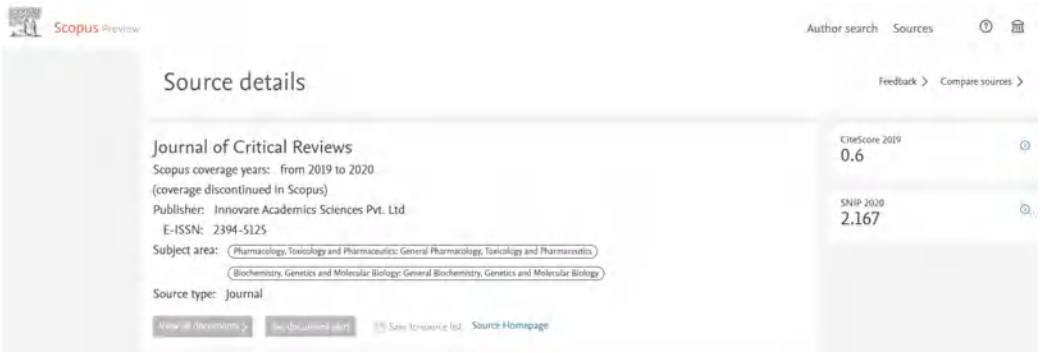
THERMOLUMINESCENCE CHARCTERISTICS STUDIES OF PHOSPHOR MATERIAL WITH ANTI-BACTERIAL ACTIVITY

P. Rubalajyothi[1], A.Rajendran[1*]

[1]Department of Physics, Nehru Memorial College (autonomous) and affiliated to Bharathidasan University, Puthanampatti, Tiruchirappalli-07, Tamilnadu, India.
*Corresponding Author: neelrajnmc@gmail.com

Received: 10.11.2019 *Revised: 16.12.2019* *Accepted: 17.01.2020*

Scopus



High electrochemical performance of nano TIo2 ceramic filter incorporated PVC –PEMA composite gelpolymer electrolyte for Li-ion battery applications

IOP Publishing Mater. Res. Express 6 (2019) 105524 https://doi.org/10.1088/2053-1591/ab3cb8

Materials Research Express

PAPER

High electrochemical performance of nano TiO_2 ceramic filler incorporated PVC-PEMA composite gel polymer electrolyte for Li-ion battery applications

RECEIVED
24 May 2019

REVISED
10 August 2019

ACCEPTED FOR PUBLICATION
19 August 2019

PUBLISHED
30 August 2019

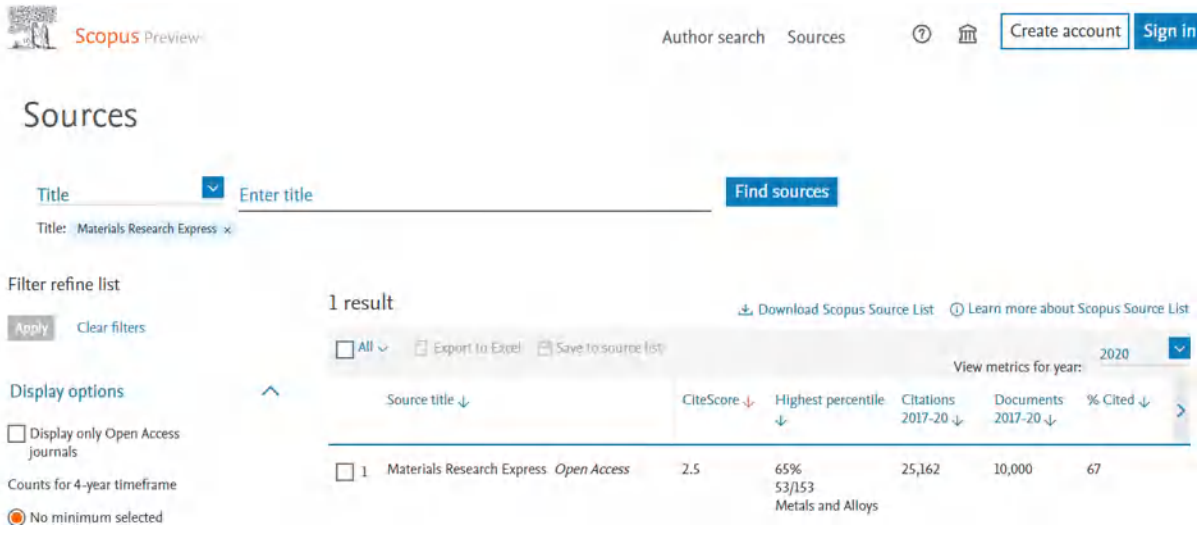
A Jagadeesan[1,2], M Sasikumar[2,3], R Hari Krishna[4], N Raja[3], D Gopalakrishna[3], S Vijayashree[1] and P Sivakumar[2]

[1] Department of Physics, Nehru Memorial College, Puthanampatti, Trichy-621 007, Tamil Nadu, India
[2] Department of Physics, Periyar E. V. R College, Trichy-620 023, Tamil Nadu, India
[3] Department of Physics, Bishop Heber College, Trichy-620 017, Tamil Nadu, India
[4] Department of Chemistry, M.S. Ramaiah Institute of Technology, Bangalore–560 054, Karnataka, India

E-mail: psivakumarevrc@gmail.com

Keywords: PVC, PEMA, composite polymer electrolytes, ionic conductivity, thermal stability, electrochemical stability

Scopus



Journal of Materials Science: Materials in Electronics (2019) 30:17181–17194
https://doi.org/10.1007/s10854-019-02065-7

Fabrication of $BaTiO_3$ ceramic filler incorporated PVC-PEMA based blend nanocomposite gel polymer electrolytes for Li ion battery applications

A. Jagadeesan[1,5] · M. Sasikumar[2,5] · R. Jeevani[3] · H. A. Therese[4] · N. Ananth[2] · P. Sivakumar[5]

Received: 27 March 2019 / Accepted: 16 August 2019 / Published online: 29 August 2019

DOI:10.1007/s10854-019-02065-7

1 PG and Research Department of Physics, Nehru Memorial College, Puthanampatti, Tiruchirappalli, Tamilnadu 621 007, India

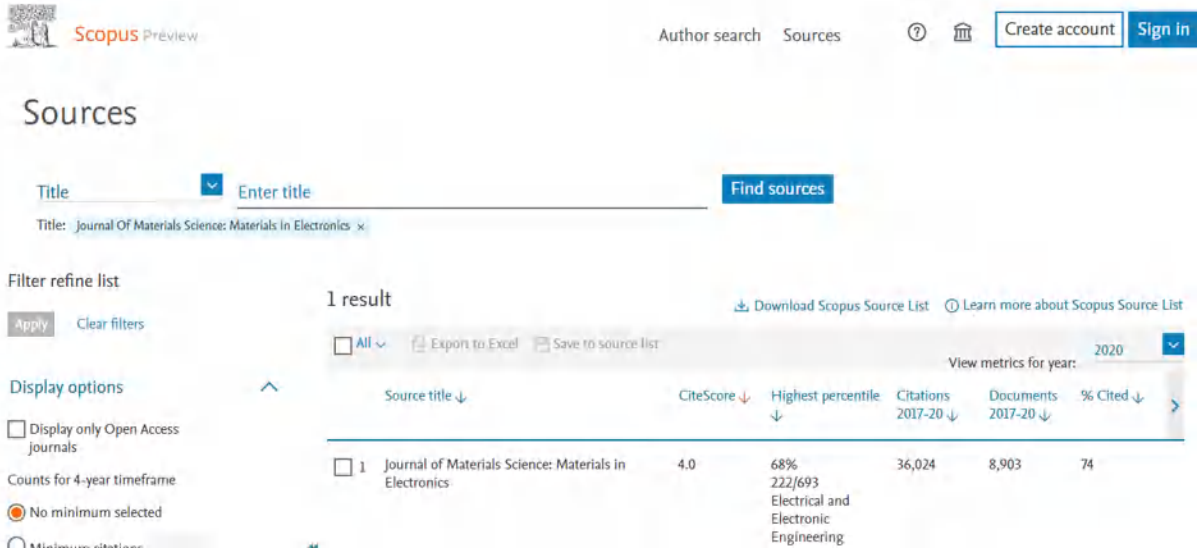
2 PG and Research Department of Physics, Bishop Heber College, Tiruchirappalli, Tamilnadu 620 017, India

3 Nanotechnology Research Centre, SRM University, Kattankulathur, Kanchipuram, Tamilnadu 603203, India

4 Department of Chemistry, SRM University, Kattankulathur, Kanchipuram, Tamilnadu 603203, India

5 PG and Research Department of Physics, Periyar EVR College, Tiruchirappalli, Tamilnadu 620 023, India

Scopus



Control of Multistability in a Self-Excited Memristive Hyperchaotic Oscillator

doi.org/10.1142/S0218127419501190

International Journal of Bifurcation and Chaos, Vol. 29, No. 9 (2019) 1950119 (14 pages)
© World Scientific Publishing Company
DOI: 10.1142/S0218127419501190

Control of Multistability in a Self-Excited Memristive Hyperchaotic Oscillator

T. Fonzin Fozin* and R. Kengne
Unité de Recherche de Matière Condensée, d'Electronique et de Traitement de Signal (UR-MACETS), Faculty of Sciences, University of Dschang, P. O. Box 67, Dschang, Cameroon
Centre d'Excellence Africain en Technologies de l'Information et de la Communication (CETIC), University of Yaoundé I, P. O. Box 812, Yaoundé, Cameroon
**fozinthco@gmail.com*

J. Kengne
Unité de Recherche d'Automatique et d'Informatique Appliquée, IUT-FV de Bandjoun, University of Dschang, P. O. Box 134, Bandjoun, Cameroon

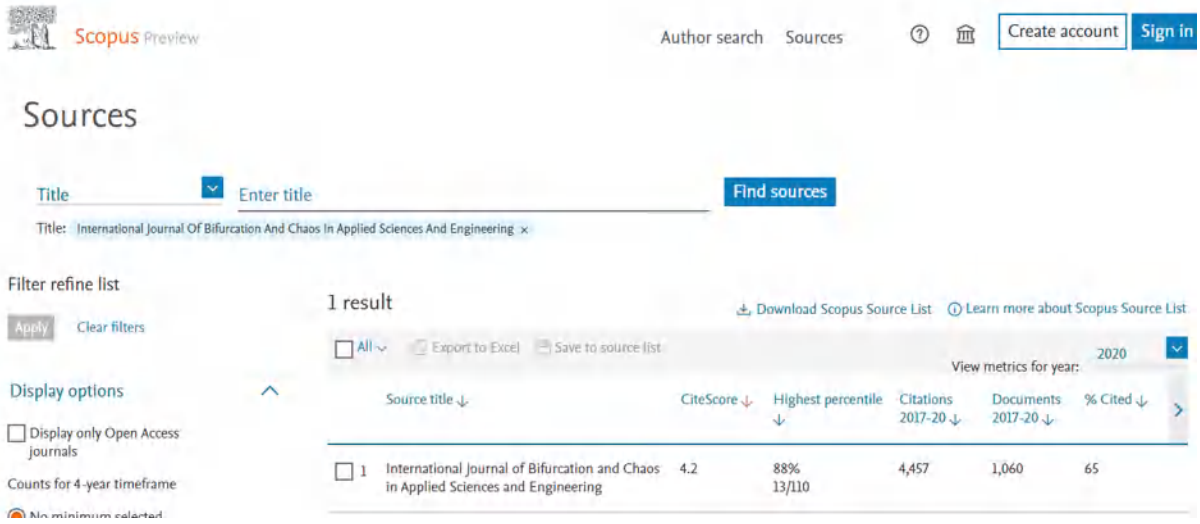
K. Srinivasan
Department of Physics, Nehru Memorial College, Puthanampatti, P. O. 621 007, Tiruchirapalli, India

M. Souffo Tagueu
Laboratoire de Génie Électrique, Mécatronique et Traitement du Signal (GEMTS), Ecole Nationale Supérieure Polytechnique, University of Yaoundé I, P. O. Box 8390, Yaoundé, Cameroon

F. B. Pelap
Unité de Recherche de Mécanique et de Modélisation des Systèmes Physiques (L2MSP), Faculty of Sciences, University of Dschang, P. O. Box 67, Dschang, Cameroon

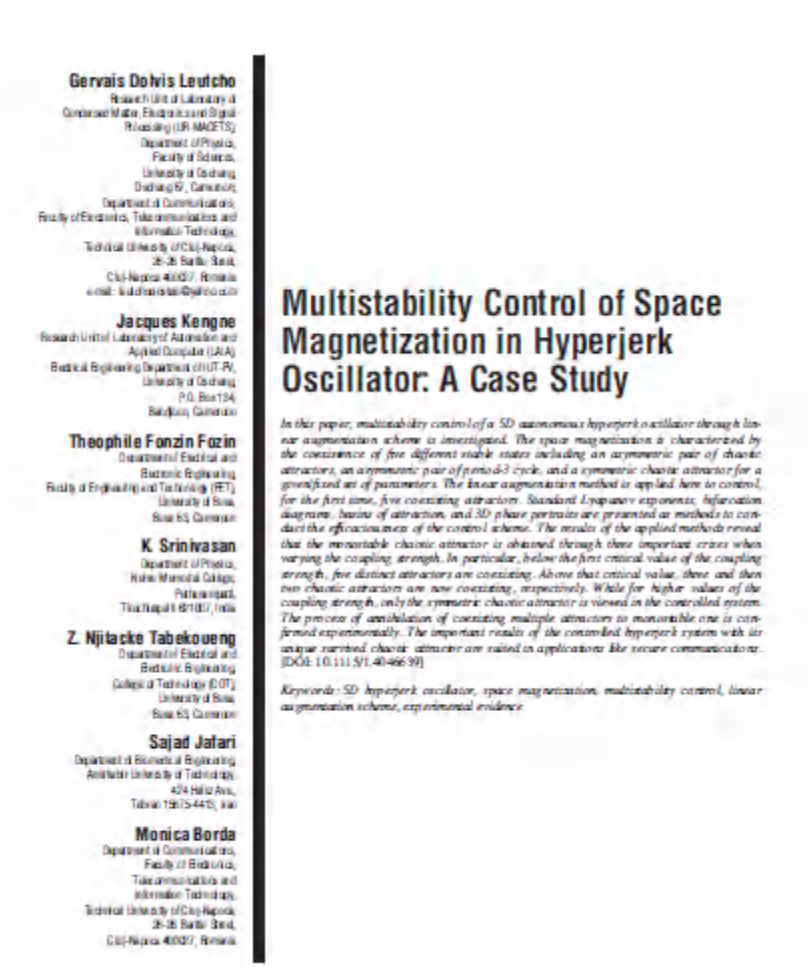
Received September 7, 2018; Revised January 12, 2019

Scopus



Multistability Control of Space Magnetization in Hyperjerk Oscillator: A Case Study

doi.org/10.1115/1.4046639



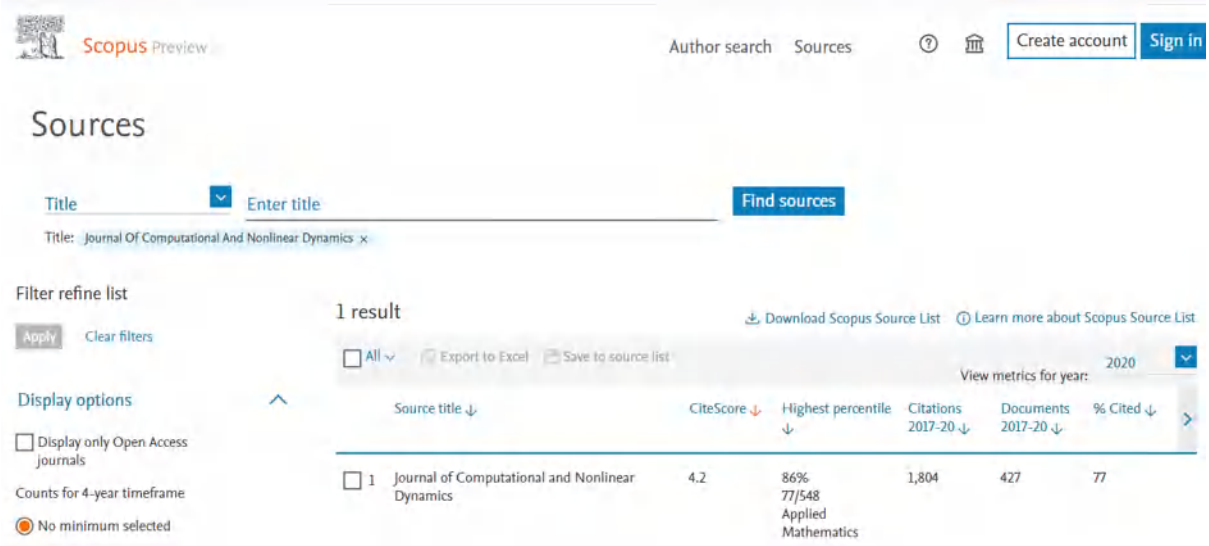
Gervais Dolvis Leutcho
Jacques Kengne
Theophile Fonzin Fozin
K. Srinivasan
Z. Njitacke Tabekoueng
Sajad Jafari
Monica Borda

Multistability Control of Space Magnetization in Hyperjerk Oscillator: A Case Study

In this paper, multistability control of a 5D autonomous hyperjerk oscillator through linear augmentation scheme is investigated. The space magnetization is characterized by the coexistence of five different stable states including an asymmetric pair of chaotic attractors, an asymmetric pair of period-3 cycle, and a symmetric chaotic attractor for a given fixed set of parameters. The linear augmentation method is applied here to control, for the first time, five coexisting attractors. Standard Lyapunov exponents, bifurcation diagrams, basins of attraction, and 3D phase portraits are presented as methods to conduct the efficaciousness of the control scheme. The results of the applied methods reveal that the unwanted chaotic attractor is obtained through three important crises when varying the coupling strength. In particular, below the first critical value of the coupling strength, five distinct attractors are coexisting. Above that critical value, three and then two chaotic attractors are now coexisting, respectively. While for higher values of the coupling strength, only the symmetric chaotic attractor is viewed in the controlled system. The process of annihilation of coexisting multiple attractors to monostable one is confirmed experimentally. The important results of the controlled hyperjerk system with its unique survived chaotic attractor are suited to applications like secure communications.
[DOI: 10.1115/1.4046639]

Keywords: 5D hyperjerk oscillator, space magnetization, multistability control, linear augmentation scheme, experimental evidence

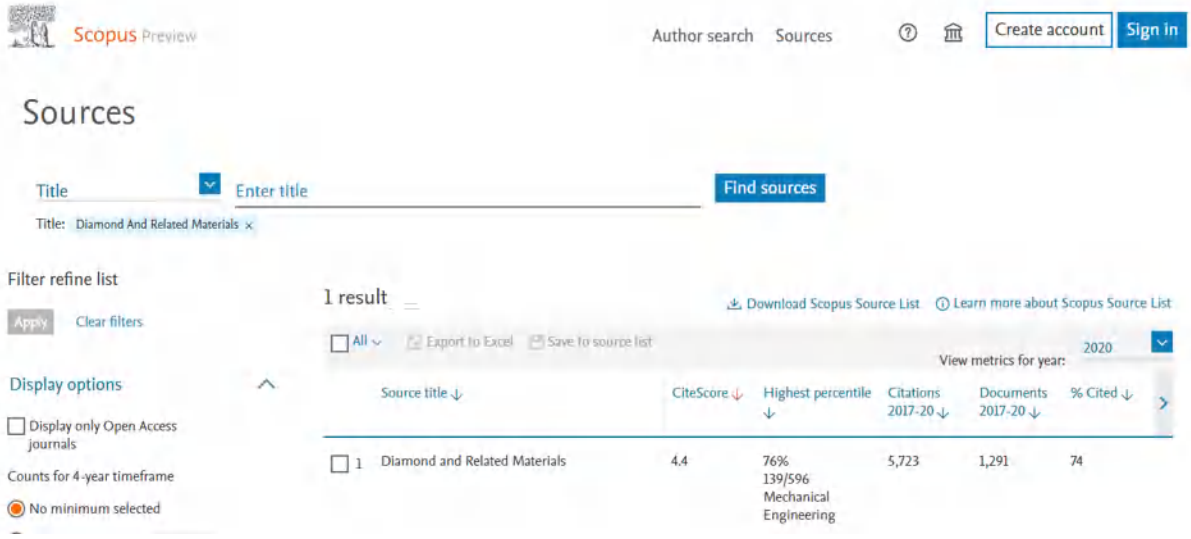
Scopus



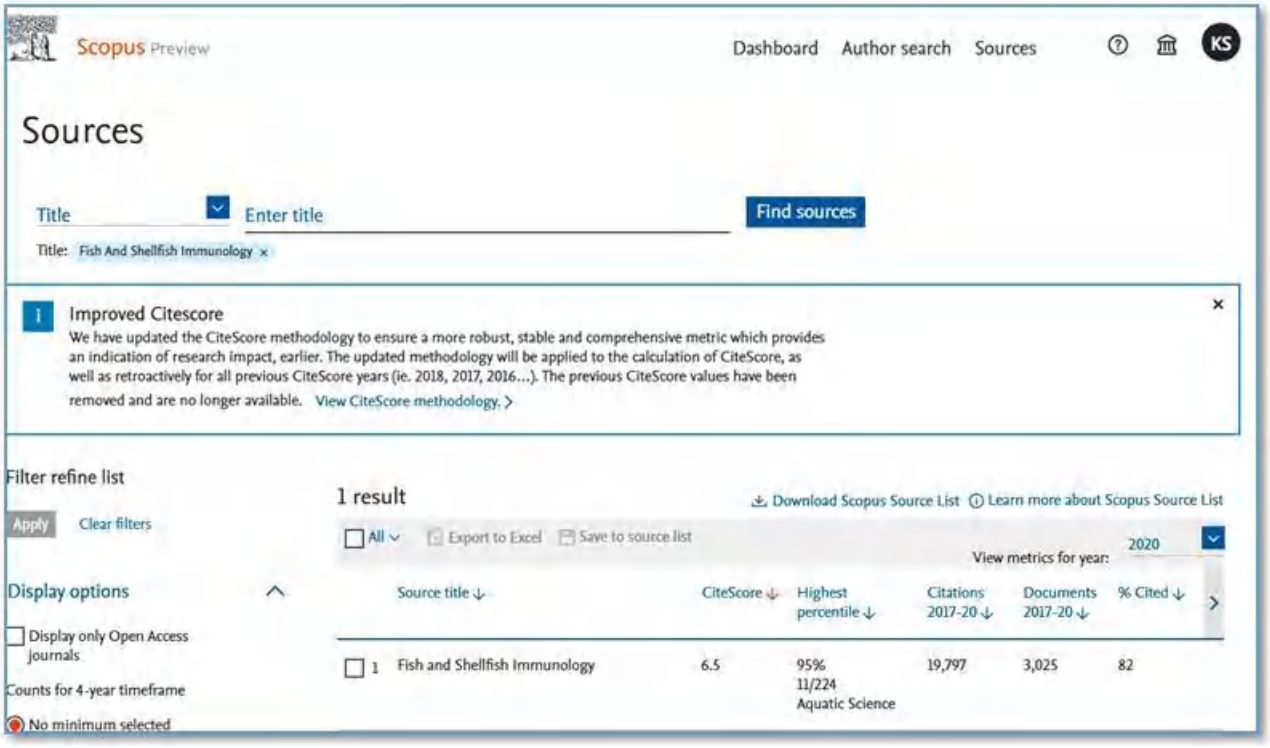
Controllable synthesis of CeO2/g-C3N4 Hybrid Catalysts and its Structural, Optical and Visible Light Photocatalytic Activity

DOI: 10.1016/j.diamond.2020.108161

Scopus



Harikrishnan R., **Devi G.,** Paray B.A., Al-Sadoon M.K., Al-Mfarij A.R., Van Doan H. 2020. Effect of cassic acid on immunity and immune-reproductive genes transcription in *Clarias gariepinus* against *Edwardsiella tarda*. ***Fish and Shellfish Immunology*****.** *99: 331-341.* https://doi.org/10.1016/j.fsi.2020.02.037



Fish & Shellfish Immunology
Volume 99, April 2020, Pages 331-341

Full length article

Effect of cassic acid on immunity and immune-reproductive genes transcription in *Clarias gariepinus* against *Edwardsiella tarda*

Ramasamy Harikrishnan [a], Gunapathy Devi [b], Bilal Ahmad Paray [c] ✉, Mohammad K. Al-Sadoon [c], Abdul Rahman Al-Mfarij [c], Hien Van Doan [d]

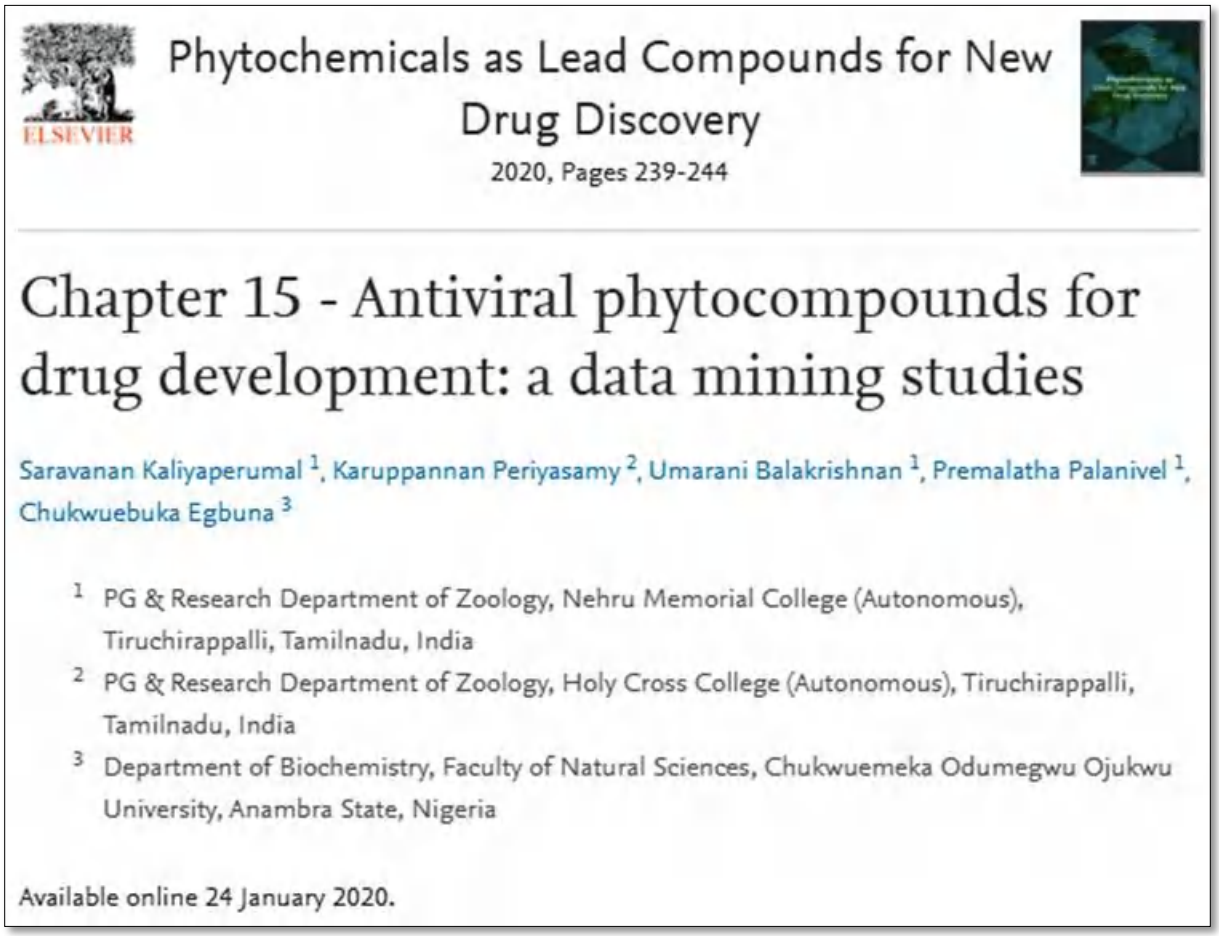
[a] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, 631 501, Tamil Nadu, India
[b] Department of Zoology, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India
[c] Zoology Department, College of Science, King Saud University, PO Box 2455, Riyadh, 11451, Saudi Arabia
[d] Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai, 50200, Thailand

Received 16 October 2019, Revised 12 February 2020, Accepted 17 February 2020, Available online 19 February 2020.

Saravanan Kaliyaperumal., Periyasamy Karuppannan., Balakrishnan Umarani., Palanivel Prema., Egbuna C. 2019.

Antiviral phytocompounds for drug development: A data mining studies. In: Phytochemicals as lead compounds for new drug discovery (Editors: Egbuna C., Kumar S., Ifemeje J.C., Ezzat S.M., Saravanan Kaliyaperumal). Elsevier, USA. https://doi.org/10.1016/b978-0-12-817890-4.00015-9

ISBN: 978-012817891-1;978-012817890-4



Phytochemicals as Lead Compounds for New Drug Discovery

2020, Pages 239-244

Chapter 15 - Antiviral phytocompounds for drug development: a data mining studies

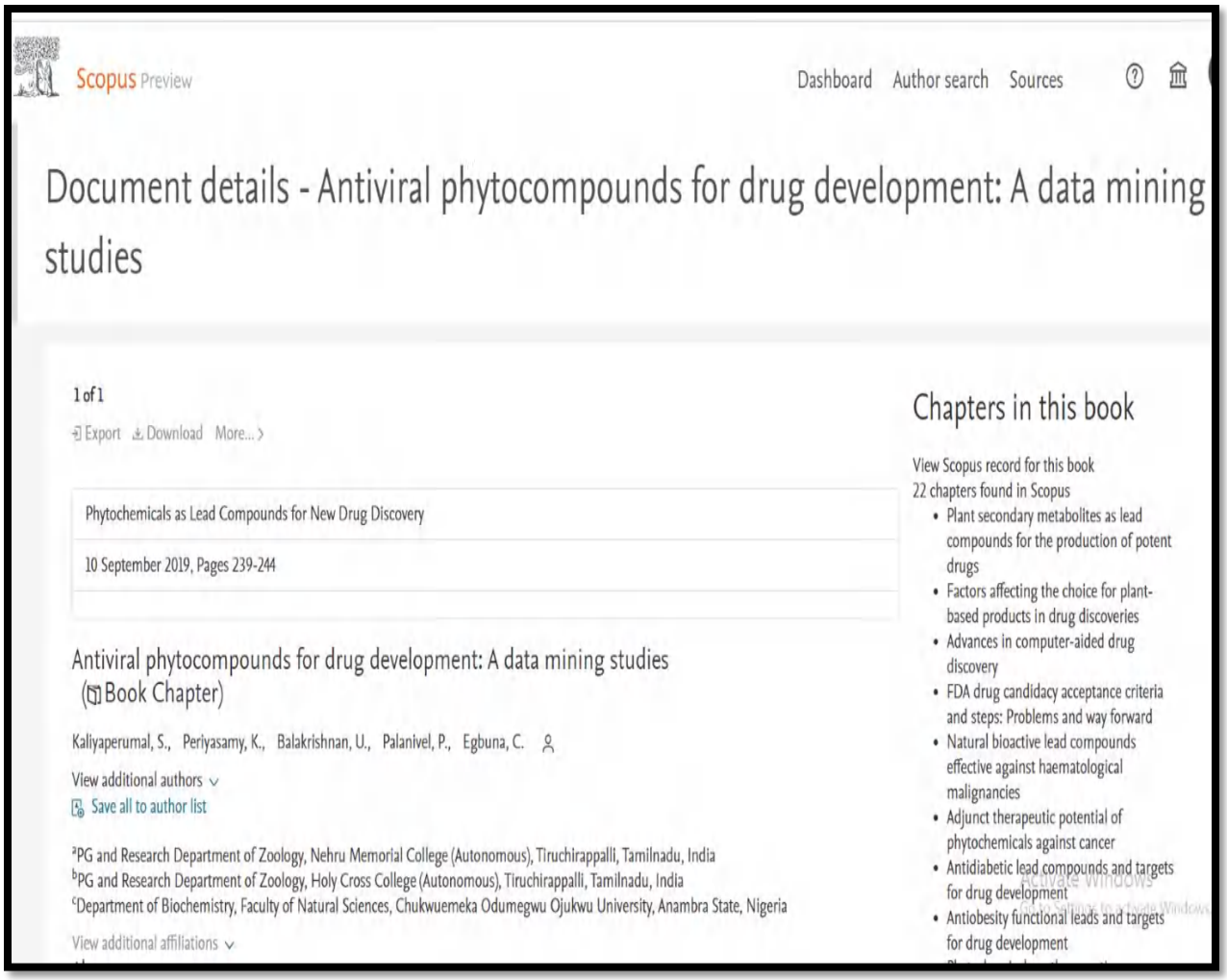
Saravanan Kaliyaperumal [1], Karuppannan Periyasamy [2], Umarani Balakrishnan [1], Premalatha Palanivel [1], Chukwuebuka Egbuna [3]

[1] PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Tiruchirappalli, Tamilnadu, India

[2] PG & Research Department of Zoology, Holy Cross College (Autonomous), Tiruchirappalli, Tamilnadu, India

[3] Department of Biochemistry, Faculty of Natural Sciences, Chukwuemeka Odumegwu Ojukwu University, Anambra State, Nigeria

Available online 24 January 2020.



Scopus Preview

Dashboard Author search Sources

Document details - Antiviral phytocompounds for drug development: A data mining studies

1 of 1

Export Download More...

Phytochemicals as Lead Compounds for New Drug Discovery

10 September 2019, Pages 239-244

Antiviral phytocompounds for drug development: A data mining studies (Book Chapter)

Kaliyaperumal, S., Periyasamy, K., Balakrishnan, U., Palanivel, P., Egbuna, C.

View additional authors

Save all to author list

[a]PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Tiruchirappalli, Tamilnadu, India
[b]PG and Research Department of Zoology, Holy Cross College (Autonomous), Tiruchirappalli, Tamilnadu, India
[c]Department of Biochemistry, Faculty of Natural Sciences, Chukwuemeka Odumegwu Ojukwu University, Anambra State, Nigeria

View additional affiliations

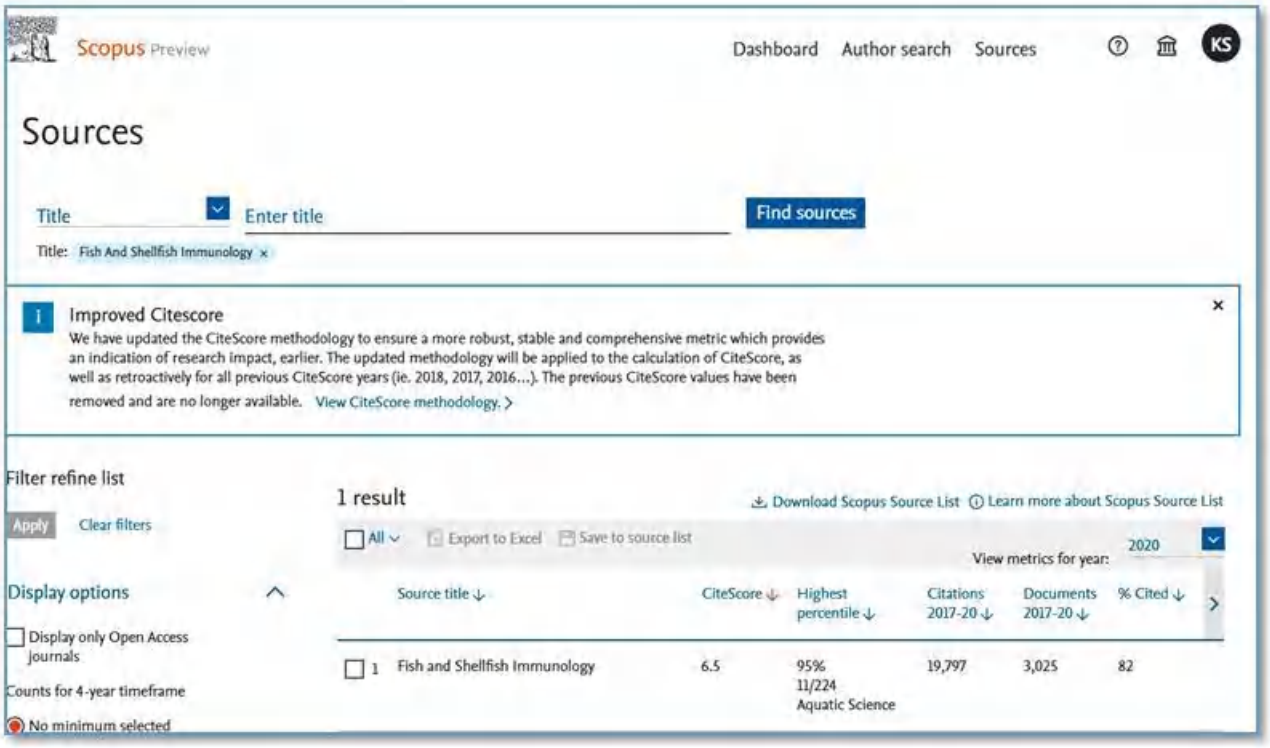
Chapters in this book

View Scopus record for this book
22 chapters found in Scopus

- Plant secondary metabolites as lead compounds for the production of potent drugs
- Factors affecting the choice for plant-based products in drug discoveries
- Advances in computer-aided drug discovery
- FDA drug candidacy acceptance criteria and steps: Problems and way forward
- Natural bioactive lead compounds effective against haematological malignancies
- Adjunct therapeutic potential of phytochemicals against cancer
- Antidiabetic lead compounds and targets for drug development
- Antiobesity functional leads and targets for drug development

Ramasamy Harikrishnan, **Gunapathy Devi,** Bilal Ahmad Paray, Mohammad K. Al-Sadoonc Seyed Hossein, Hoseinifard, Elumalai Gokule. 2019.

Study the immunomodulation of anthracenedione in striped dwarf catfish, Mystus vittatus against pathogenic bacteria, *Aeromonas hydrophila*. ***Fish and Shell fish immunology.*** 95: 117-127. https://doi.org/10.1016/j.fsi.2019.10.033



Fish & Shellfish Immunology
Volume 95, December 2019, Pages 117-127

Full length article

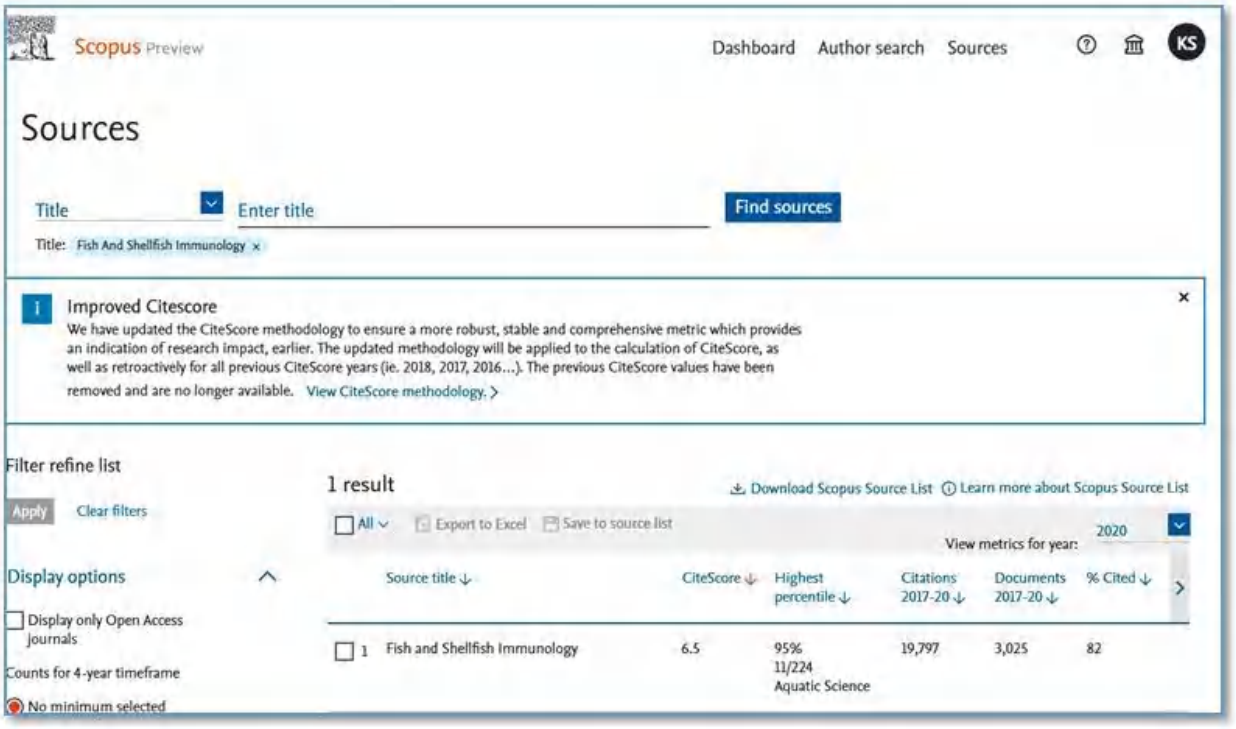
Study the immunomodulation of anthracenedione in striped dwarf catfish, *Mystus vittatus* against pathogenic bacteria, *Aeromonas hydrophila*

Ramasamy Harikrishnan [a], Gunapathy Devi [b], Bilal Ahmad Paray [c] ✉, Mohammad K. Al-Sadoon [c], Seyed Hossein Hoseinifar [d], Elumalai Gokul [e]

[a] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, 631 501, Tamil Nadu, India
[b] Department of Zoology, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India
[c] Zoology Department, College of Science, King Saud University, PO Box 2455, Riyadh, 11451, Saudi Arabia
[d] Department of Fisheries, Faculty of Fisheries and Environmental Sciences, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran
[e] Department of Animal Science, School of Life Sciences, Bharathidasan University, Tiruchirapalli, 620 024, Tamil Nadu, India

Received 18 September 2019, Revised 11 October 2019, Accepted 16 October 2019, Available online 17 October 2019.

Devi G., Harikrishnan R., Paray B.A., Al-Sadoon M.K., Hoseinifar S.H., Balasundaram C 2019. Effect of symbiotic supplemented diet on innate-adaptive immune response, cytokine gene regulation and antioxidant property in Labeo rohita against *Aeromonas hydrophila*. ***Fish and Shell fish immunology.*** 89: 687=700. https://doi.org/10.1016/j.fsi.2019.04.036



Fish & Shellfish Immunology
Volume 89, June 2019, Pages 687-700

Full length article

Effect of symbiotic supplemented diet on innate-adaptive immune response, cytokine gene regulation and antioxidant property in *Labeo rohita* against *Aeromonas hydrophila*

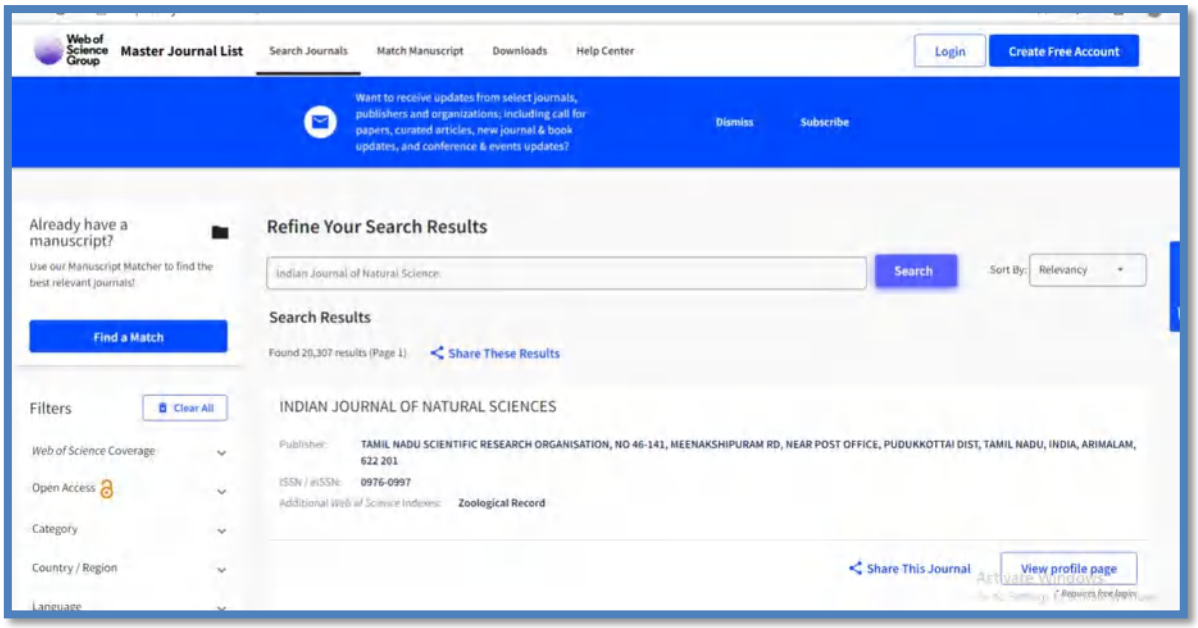
Gunapathy Devi [a], Ramasamy Harikrishnan [b], Bilal Ahmad Paray [c] ✉, Mohammad K. Al-Sadoon [c], Seyed Hossein Hoseinifar [d], Chellam Balasundaram [e]

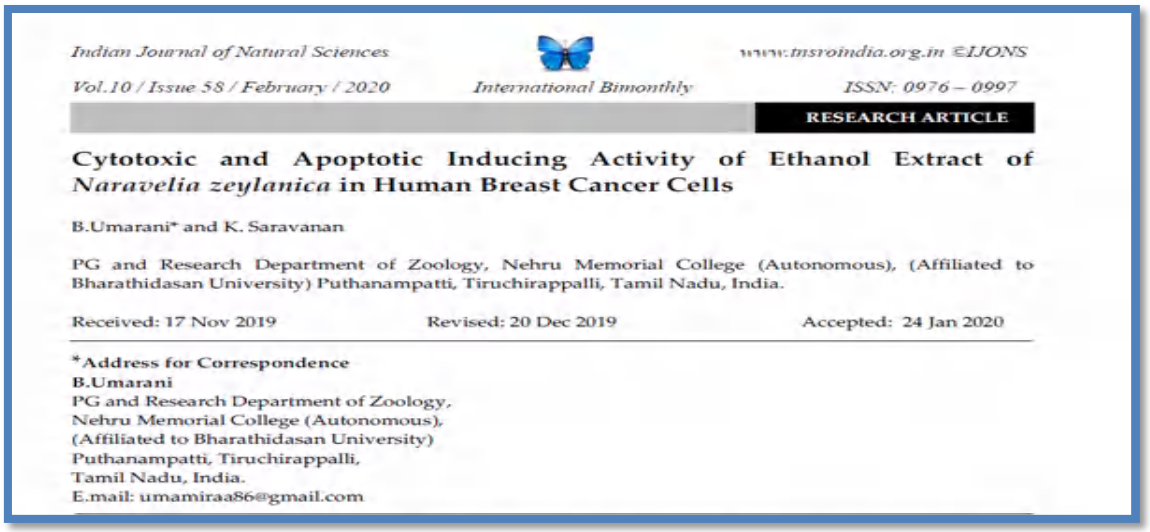
[a] Department of Zoology, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India
[b] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, 631 501, Tamil Nadu, India
[c] Zoology Department, College of Science, King Saud University, PO Box 2455, Riyadh, 11451, Saudi Arabia
[d] Department of Fisheries, Faculty of Fisheries and Environmental Sciences, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran
[e] Department of Herbal and Environmental Science, Tamil University, Thanjavur, 613 005, Tamil Nadu, India

Received 3 December 2018, Revised 6 April 2019, Accepted 11 April 2019, Available online 16 April 2019.

Umarani, B and Saravanan, K. 2020.

Cytotoxic and Apoptotic Inducing Activity of Ethanol Extract of *Naraveliazeylanica* in Human Breast Cancer Cells. ***Indian Journal of Natural Science***. 10: 18166-18173 http://www.tnsroindia.org.in/JOURNAL/issue58/ISSUE%2058%20FULL%20TEXT.pdf





Indian Journal of Natural Sciences www.tnsroindia.org.in ©IJONS

Vol.10 / Issue 58 / February / 2020 *International Bimonthly* *ISSN: 0976 – 0997*

RESEARCH ARTICLE

Cytotoxic and Apoptotic Inducing Activity of Ethanol Extract of *Naravelia zeylanica* in Human Breast Cancer Cells

B.Umarani* and K. Saravanan

PG and Research Department of Zoology, Nehru Memorial College (Autonomous), (Affiliated to Bharathidasan University) Puthanampatti, Tiruchirappalli, Tamil Nadu, India.

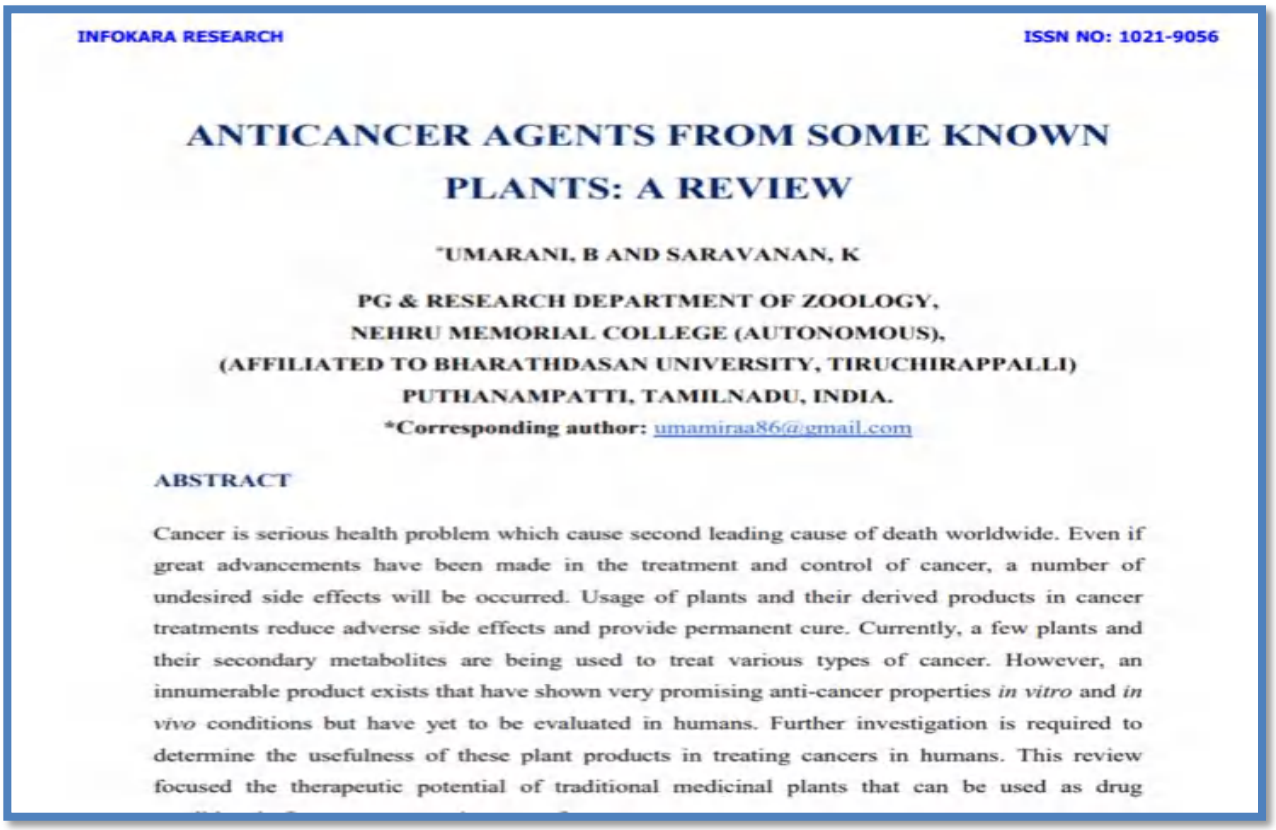
Received: 17 Nov 2019 Revised: 20 Dec 2019 Accepted: 24 Jan 2020

*Address for Correspondence
B.Umarani
PG and Research Department of Zoology,
Nehru Memorial College (Autonomous),
(Affiliated to Bharathidasan University)
Puthanampatti, Tiruchirappalli,
Tamil Nadu, India.
E.mail: umamiraa86@gmail.com

Umarani, B and **Saravanan, K**. 2020.

Anticancer agents from Some Known Plants: A Review. *Infokara Research,* 9(1):582-603.

http://infokara.com/gallery/63-jan-3513.pdf



INFOKARA RESEARCH ISSN NO: 1021-9056

ANTICANCER AGENTS FROM SOME KNOWN PLANTS: A REVIEW

*UMARANI, B AND SARAVANAN, K

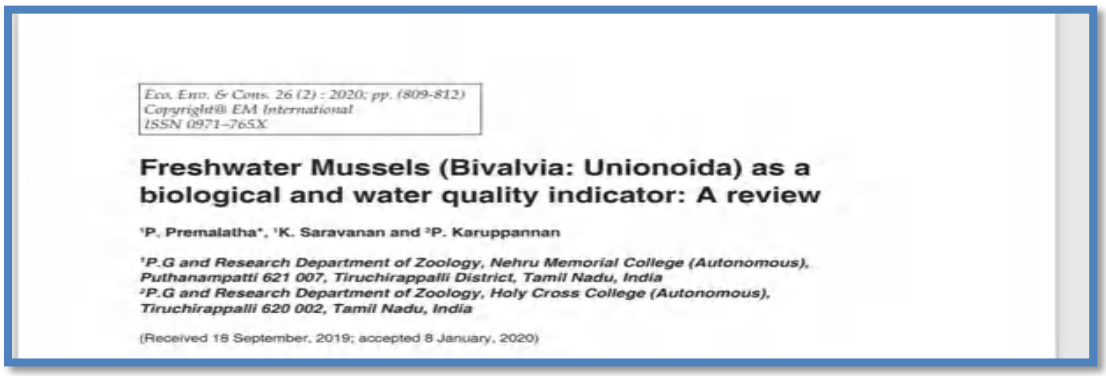
PG & RESEARCH DEPARTMENT OF ZOOLOGY,
NEHRU MEMORIAL COLLEGE (AUTONOMOUS),
(AFFILIATED TO BHARATHDASAN UNIVERSITY, TIRUCHIRAPPALLI)
PUTHANAMPATTI, TAMILNADU, INDIA.
*Corresponding author: umamiraa86@gmail.com

ABSTRACT

Cancer is serious health problem which cause second leading cause of death worldwide. Even if great advancements have been made in the treatment and control of cancer, a number of undesired side effects will be occurred. Usage of plants and their derived products in cancer treatments reduce adverse side effects and provide permanent cure. Currently, a few plants and their secondary metabolites are being used to treat various types of cancer. However, an innumerable product exists that have shown very promising anti-cancer properties *in vitro* and *in vivo* conditions but have yet to be evaluated in humans. Further investigation is required to determine the usefulness of these plant products in treating cancers in humans. This review focused the therapeutic potential of traditional medicinal plants that can be used as drug

Premalatha P, Saravanan, K. and Karuppannan, P . 2020.
Freshwater muscle (Bivalvia: Unionoidae) as a biological and water quality indicator: A review. *International Journal of Ecology, Environment and Conservation*.

http://www.envirobiotechjournals.com/article_abstract.php?aid=10538&iid=303&jid=3



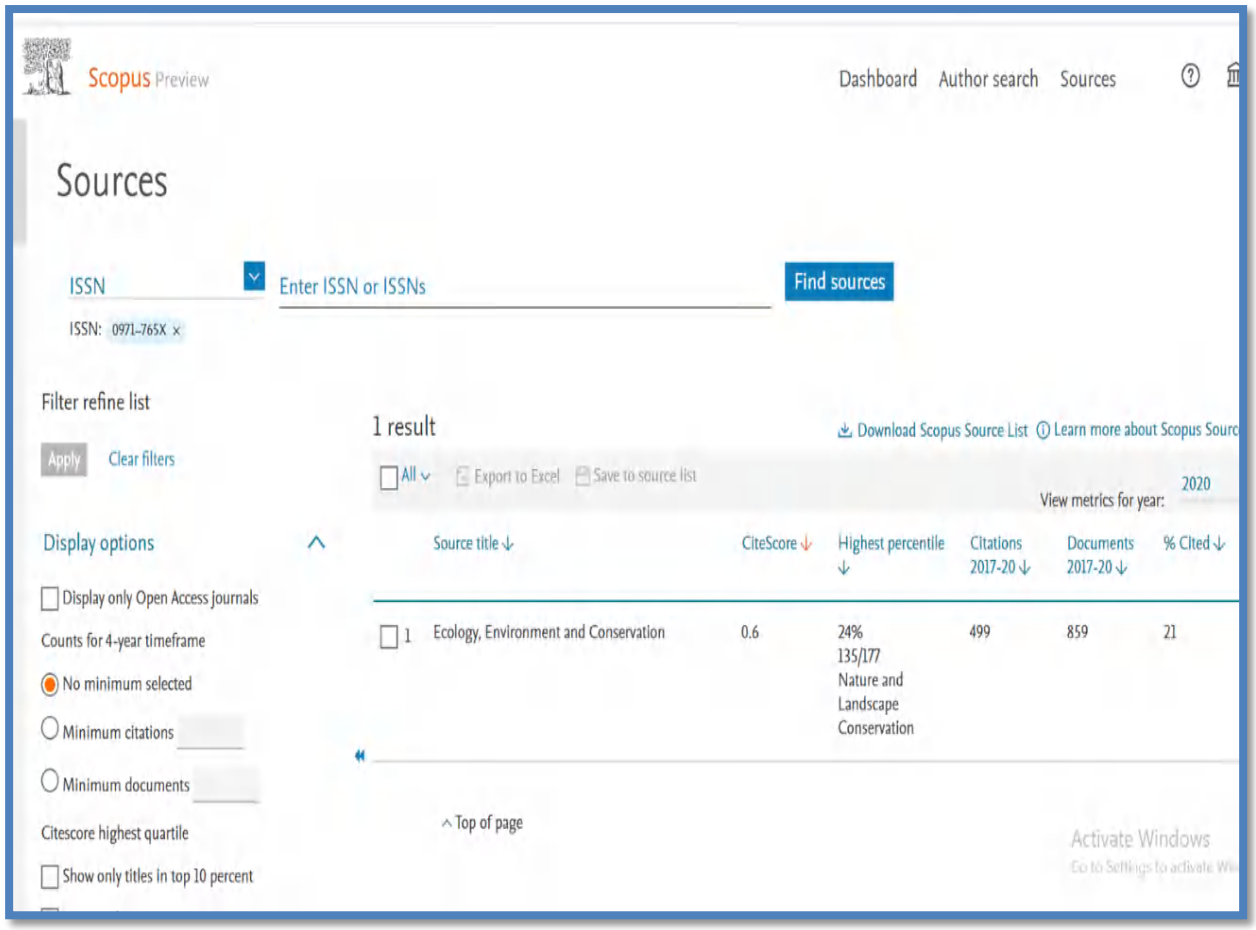
Eco. Env. & Cons. 26 (2) : 2020; pp. (809-812)
Copyright© EM International
ISSN 0971–765X

Freshwater Mussels (Bivalvia: Unionoida) as a biological and water quality indicator: A review

¹P. Premalatha*, ¹K. Saravanan and ²P. Karuppannan

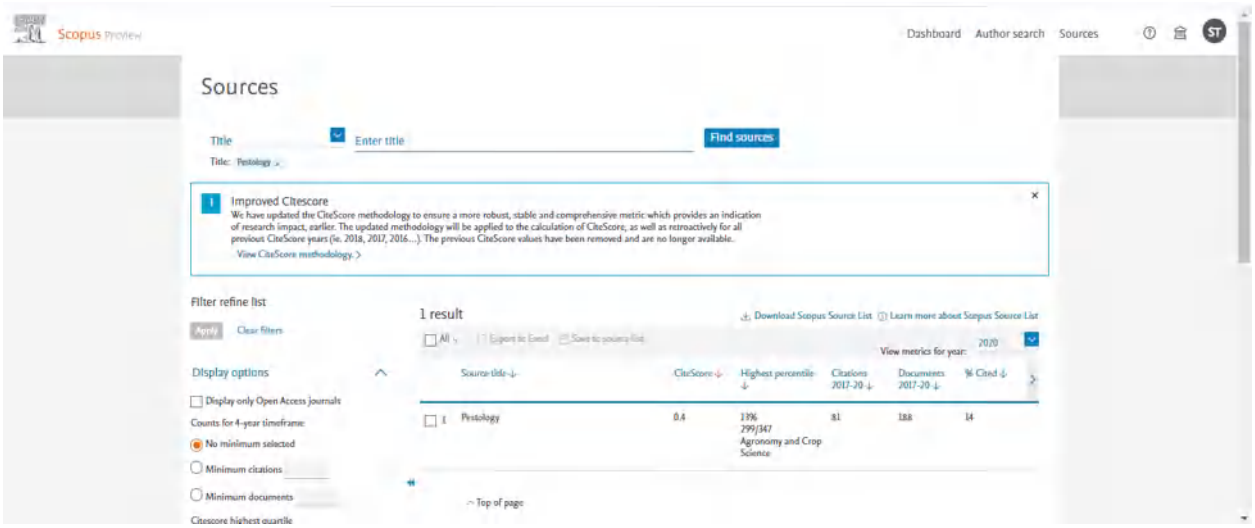
¹P.G and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti 621 007, Tiruchirappalli District, Tamil Nadu, India
²P.G and Research Department of Zoology, Holy Cross College (Autonomous), Tiruchirappalli 620 002, Tamil Nadu, India

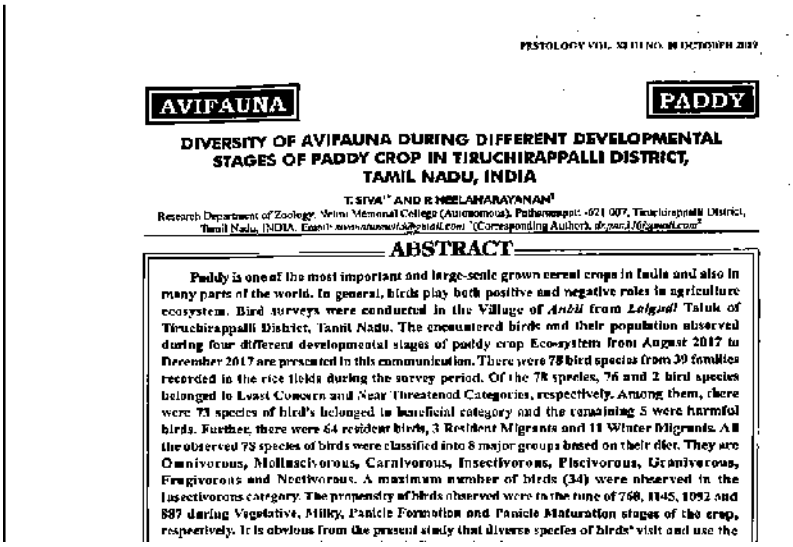
(Received 18 September, 2019; accepted 8 January, 2020)



Siva, T. and **Neelanarayanan, P**. 2019.

Diversity of Avifauna during different developmental stages of Paddy Crop in Tiruchirappalli District, Tamil Nadu, India. Pestology.





PESTOLOGY VOL. XLIII NO. 10 OCTOBER 2019

AVIFAUNA

PADDY

DIVERSITY OF AVIFAUNA DURING DIFFERENT DEVELOPMENTAL STAGES OF PADDY CROP IN TIRUCHIRAPPALLI DISTRICT, TAMIL NADU, INDIA

T. SIVA[1]* AND P. NEELANARAYANAN[1]

Research Department of Zoology, Velmi Memorial College (Autonomous), Puthereppatti -621 007, Tiruchirappalli District, Tamil Nadu, INDIA. Email: [illegible] (*Corresponding Author, [illegible])

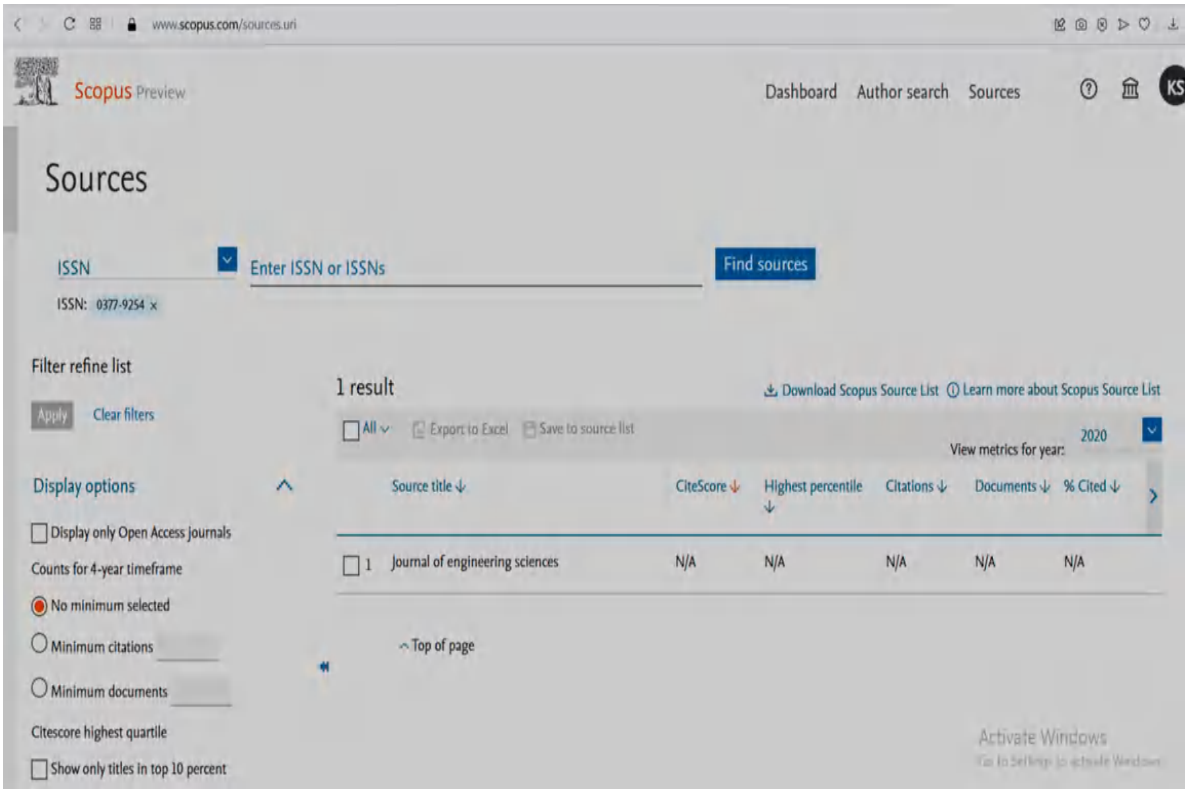
ABSTRACT

Paddy is one of the most important and large-scale grown cereal crops in India and also in many parts of the world. In general, birds play both positive and negative roles in agriculture ecosystem. Bird surveys were conducted in the Village of *Anbil* from *Lalgudi* Taluk of Tiruchirappalli District, Tamil Nadu. The encountered birds and their population observed during four different developmental stages of paddy crop Eco-system from August 2017 to December 2017 are presented in this communication. There were 78 bird species from 39 families recorded in the rice fields during the survey period. Of the 78 species, 76 and 2 bird species belonged to Least Concern and Near Threatened Categories, respectively. Among them, there were 73 species of bird's belonged to beneficial category and the remaining 5 were harmful birds. Further, there were 64 resident birds, 3 Resident Migrants and 11 Winter Migrants. All the observed 78 species of birds were classified into 8 major groups based on their diet. They are Omnivorous, Molluscivorous, Carnivorous, Insectivorous, Piscivorous, Granivorous, Frugivorous and Nectivorous. A maximum number of birds (34) were observed in the Insectivorous category. The propensity of birds observed were in the tune of 760, 1145, 1092 and 887 during Vegetative, Milky, Panicle Formation and Panicle Maturation stages of the crop, respectively. It is obvious from the present study that diverse species of birds* visit and use the

Swarna Bharathi and **Boopathyraja, A**. 2019.

Chemically Synthesized Silica-Zinc Nanocomposite Acts As Potential Antibacterial Agent Against Urinary Pathogen. Journal Of Engineering Sciences.10 (10):143-152.

https://jespublication.com/upload/2019-V10-I10-24.pdf



JES
Journal of Engineering Sciences
Vol 10, Issue 10, Oct /2019
ISSN NO:0377-9254

CHEMICALLY SYNTHESIZED SILICA-ZINC NANOCOMPOSITE ACTS AS POTENTIAL ANTIBACTERIAL AGENT AGAINST URINARY PATHOGEN

D. SWARNA BHARATHI[1] , A. BOOPATHY RAJA[2]
[1,2]PG and Research Department of Zoology, Nehru Memorial College (Autonomous),
Puthanampatti – 621007, Tiruchirappalli, Tamilnadu, India.
E.mail:boopathyraja07@gmail.com

Diversity of Butterflies from different Agroecosystem with their Host Plants in Namakkal District, Tamil Nadu, India

DOI: 10.12691/aees-8-5-19

Applied Ecology and Environmental Sciences, 2020, Vol. 8, No. 5, 315-318
Available online at http://pubs.sciepub.com/aees/8/5/19
Published by Science and Education Publishing
DOI:10.12691/aees-8-5-19

Diversity of Butterflies from Different Agroecosystem with Their Host Plants in Namakkal District, Tamil Nadu, India

Kanimozhi C.[1], V. Ramesh.[1,*], P.C. Pathania[2], A. Rameshkumar[2]

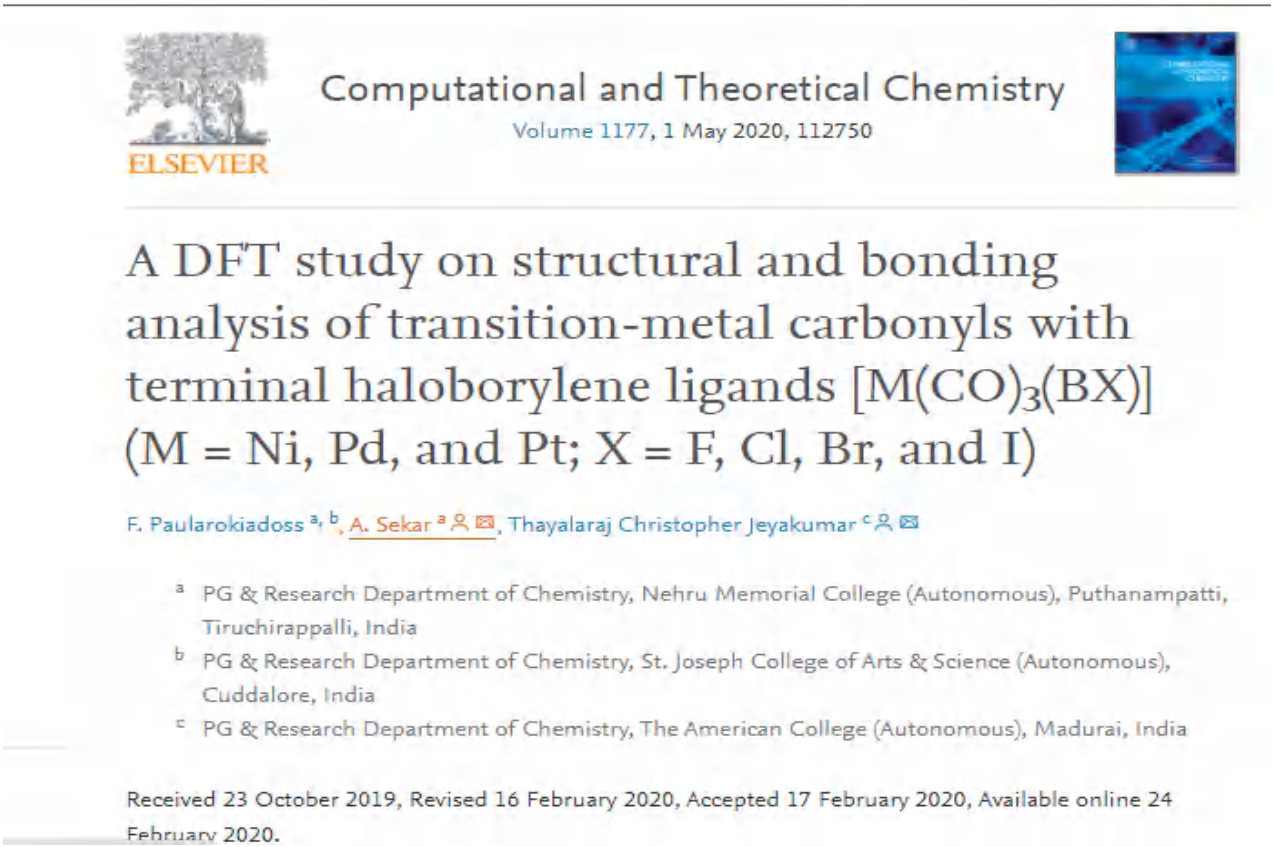
[1]Department of Zoology, Nehru Memorial College (Affiliated with Bharathidasan University), Puthanampatti -621007, Tamil Nadu, India
[2]Zoological Survey of India, M-Block, New Alipore-700053, Kolkata, West Bengal, India
*Corresponding author: drrameshvelu@gmail.com

Received June 23, 2020; Revised July 24, 2020; Accepted August 04, 2020

Scopus

A DFT study on structural and bonding analysis of transition-metal carbonyls with terminal haloborylene ligands [M(CO)3(BX)] (M = Ni, Pd, and Pt; X = F, Cl, Br, and I)

doi.org/10.1016/j.comptc.2020.112750



ELSEVIER

Computational and Theoretical Chemistry

Volume 1177, 1 May 2020, 112750

A DFT study on structural and bonding analysis of transition-metal carbonyls with terminal haloborylene ligands [M(CO)$_3$(BX)] (M = Ni, Pd, and Pt; X = F, Cl, Br, and I)

F. Paularokiadoss [a, b], A. Sekar [a], Thayalaraj Christopher Jeyakumar [c]

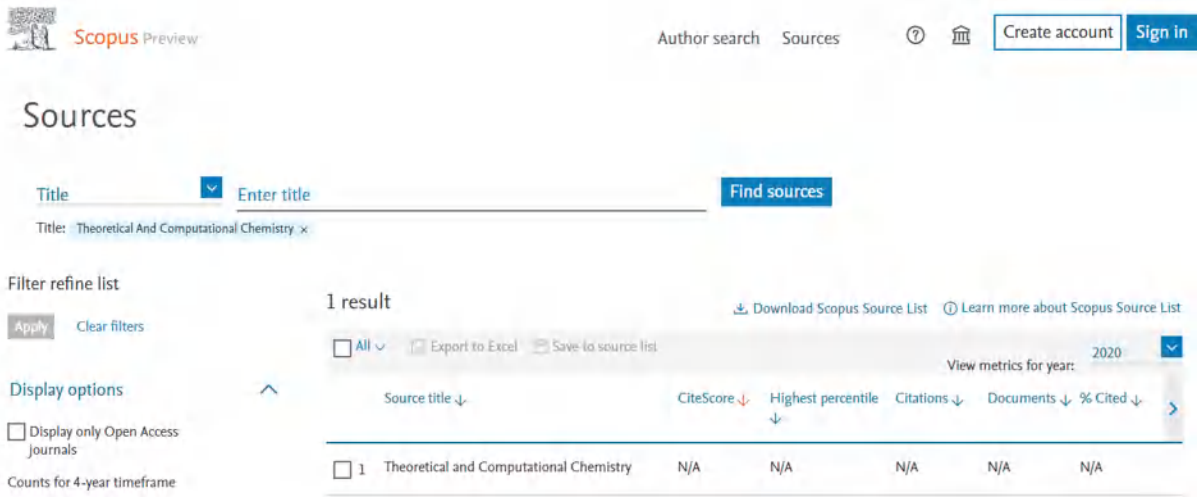
[a] PG & Research Department of Chemistry, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, India

[b] PG & Research Department of Chemistry, St. Joseph College of Arts & Science (Autonomous), Cuddalore, India

[c] PG & Research Department of Chemistry, The American College (Autonomous), Madurai, India

Received 23 October 2019, Revised 16 February 2020, Accepted 17 February 2020, Available online 24 February 2020.

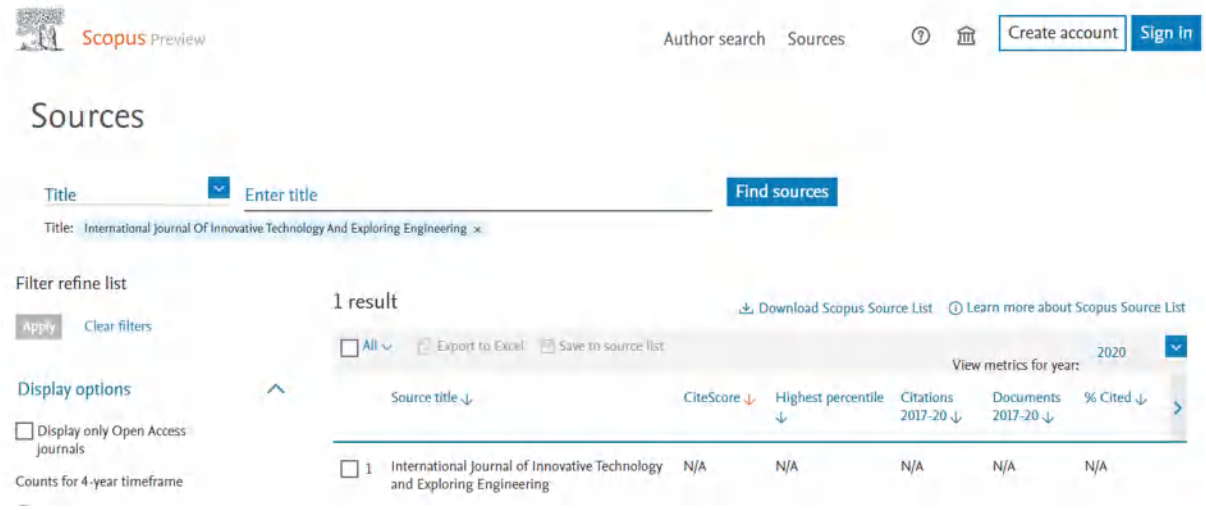
Scopus



Embedding technology in curriculum design and development

http://dx.doi.org/10.2139/ssrn.3557543

Scopus



Health practices and problems in rural india

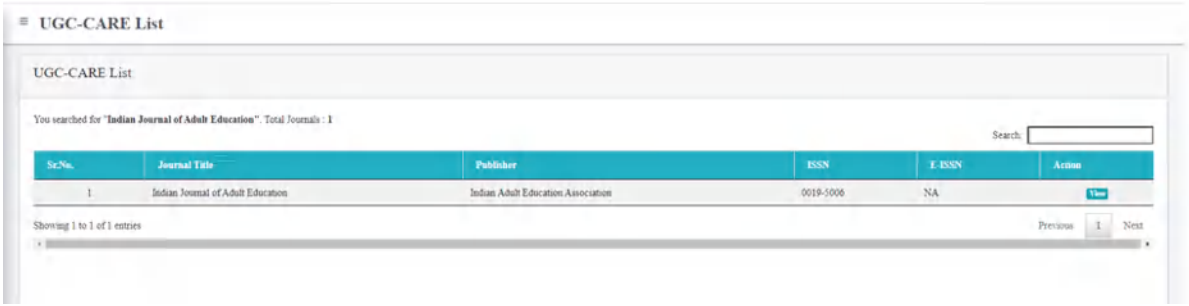
ISSN: 0019-5006

Indian Journal of Adult Education
Vol. 81, No. 4(IV)
ISSN : 0019-5006
October-December 2020

HEALTH PRACTICES AND PROBLEMS IN RURAL INDIA

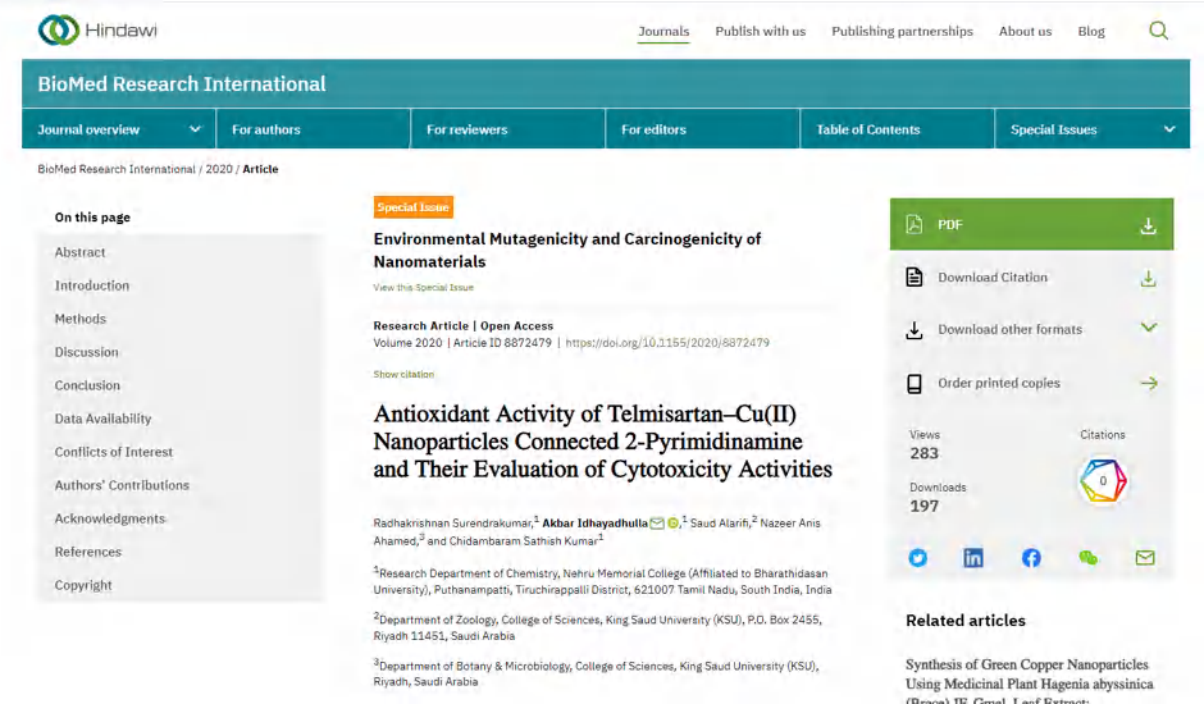
Dr. R. GEETHA Assistant Professor, Department of Economics, Nehru Memorial College (Autonomous), Puthanampatti, Trichy District.

UGC Care

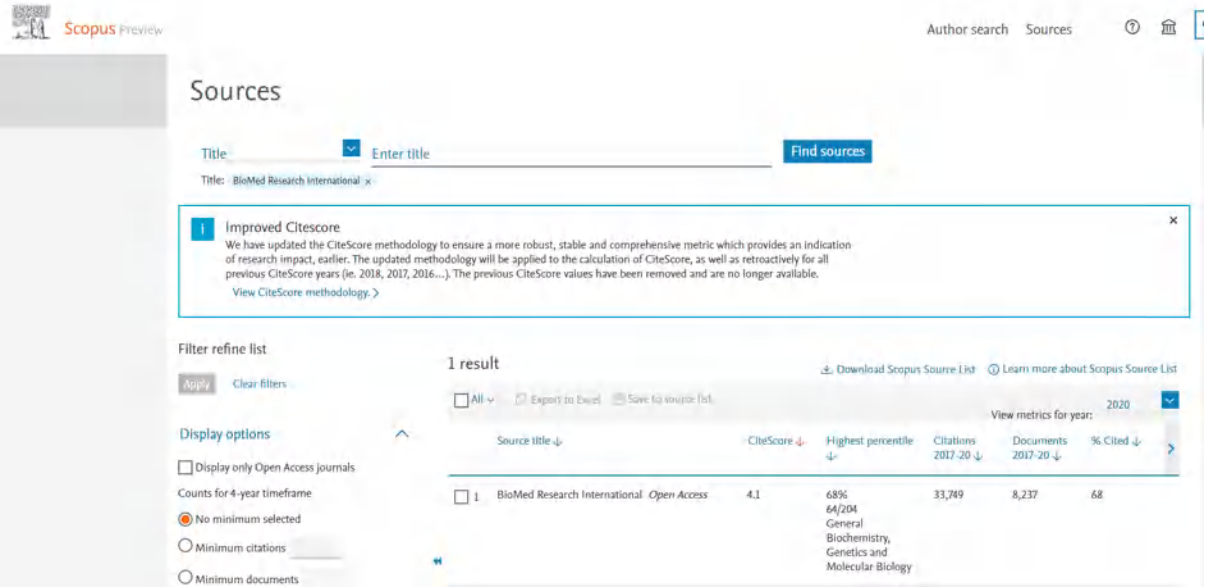


Antioxidant Activity of Telmisartan-Cu(II) Nanoparticles Connected 2-Pyrimidinamine and Their Evaluation of Cytotoxicity Activities

doi.org/10.3390/polym13071046



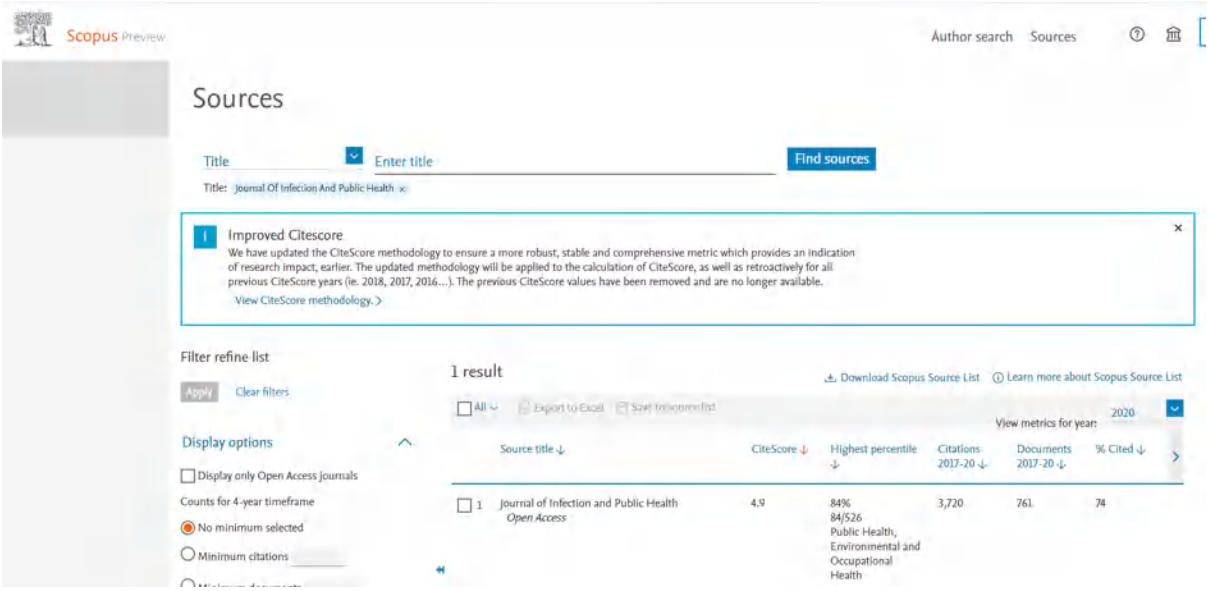
Scopus



In silico molecular docking: Evaluation of coumarin based derivatives against SARS-CoV-2

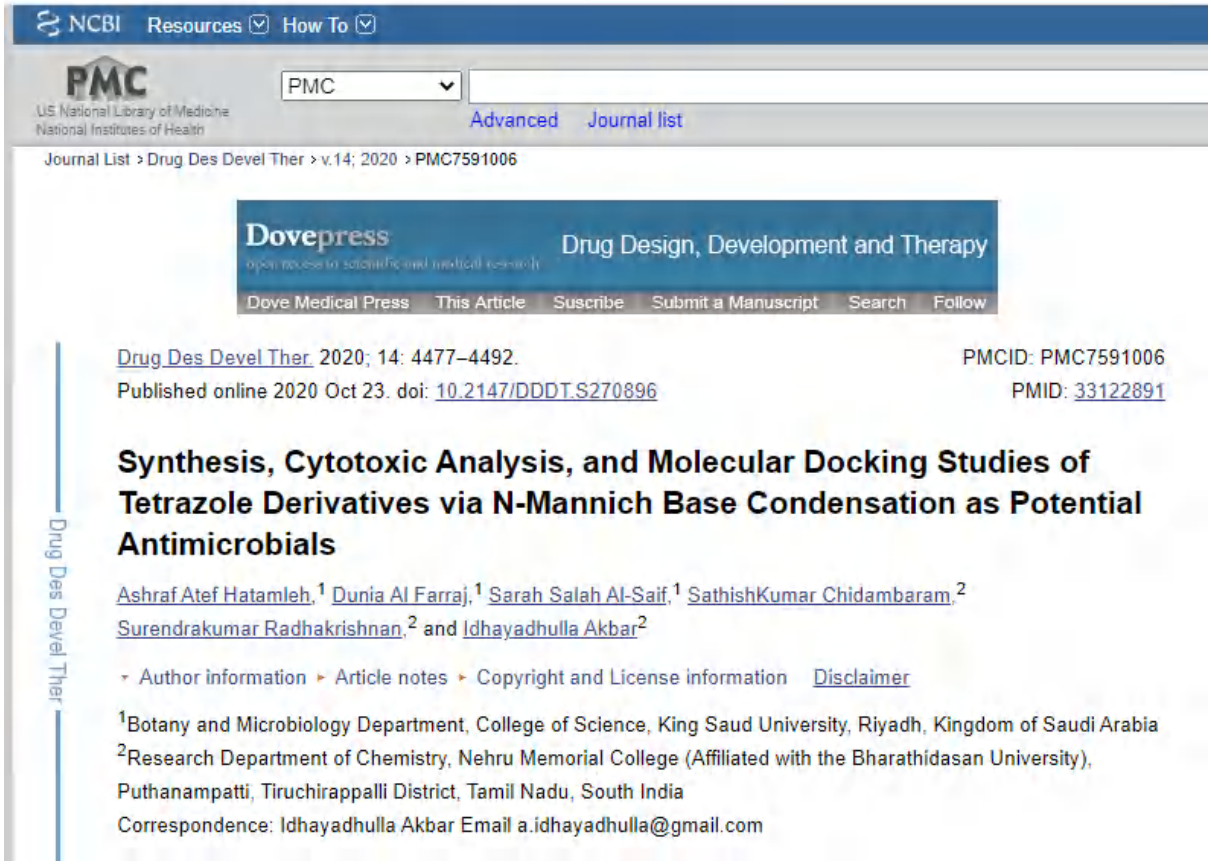
doi.org/10.1016/j.jiph.2020.09.002

Scopus



Synthesis, Cytotoxic Analysis, and Molecular Docking Studies of Tetrazole Derivatives via N-Mannich Base Condensation as Potential Antimicrobials

doi.org/10.2147/DDDT.S270896



NCBI Resources How To

PMC US National Library of Medicine National Institutes of Health

PMC Advanced Journal list

Journal List > Drug Des Devel Ther > v.14; 2020 > PMC7591006

Dovepress Drug Design, Development and Therapy

Dove Medical Press This Article Suscribe Submit a Manuscript Search Follow

Drug Des Devel Ther. 2020; 14: 4477–4492.
Published online 2020 Oct 23. doi: 10.2147/DDDT.S270896
PMCID: PMC7591006
PMID: 33122891

Synthesis, Cytotoxic Analysis, and Molecular Docking Studies of Tetrazole Derivatives via N-Mannich Base Condensation as Potential Antimicrobials

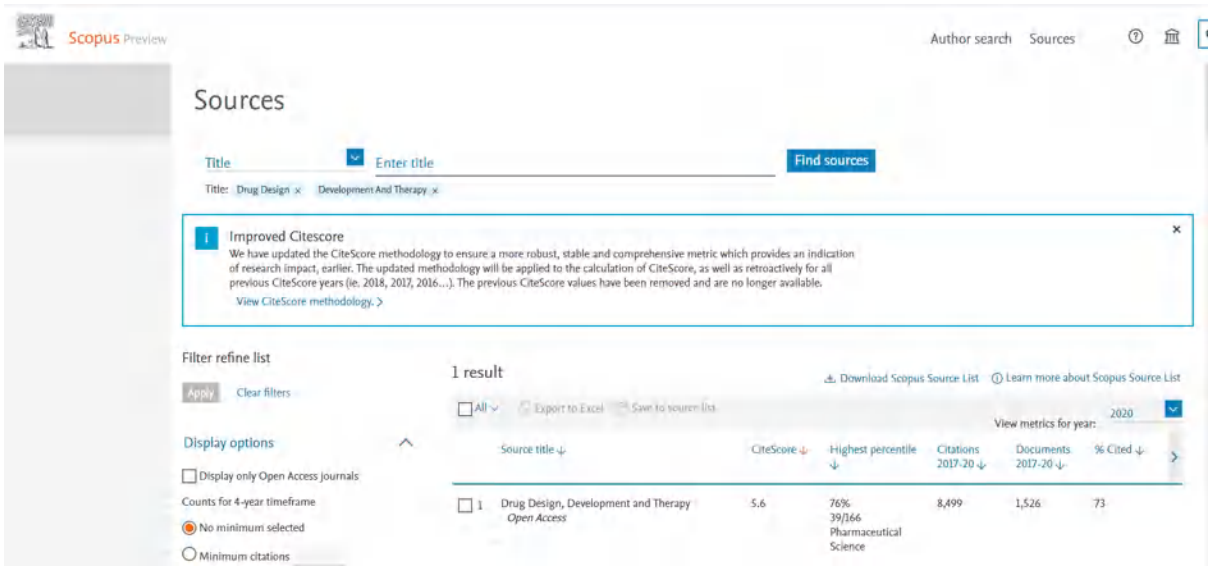
Ashraf Atef Hatamleh,[1] Dunia Al Farraj,[1] Sarah Salah Al-Saif,[1] SathishKumar Chidambaram,[2] Surendrakumar Radhakrishnan,[2] and Idhayadhulla Akbar[2]

Author information ▸ Article notes ▸ Copyright and License information Disclaimer

[1]Botany and Microbiology Department, College of Science, King Saud University, Riyadh, Kingdom of Saudi Arabia
[2]Research Department of Chemistry, Nehru Memorial College (Affiliated with the Bharathidasan University), Puthanampatti, Tiruchirappalli District, Tamil Nadu, South India
Correspondence: Idhayadhulla Akbar Email a.idhayadhulla@gmail.com

Drug Des Devel Ther

Scopus



Scopus Preview Author search Sources

Sources

Title Enter title Find sources

Title: Drug Design × Development And Therapy ×

Improved Citescore
We have updated the CiteScore methodology to ensure a more robust, stable and comprehensive metric which provides an indication of research impact, earlier. The updated methodology will be applied to the calculation of CiteScore, as well as retroactively for all previous CiteScore years (ie. 2018, 2017, 2016...). The previous CiteScore values have been removed and are no longer available.
View CiteScore methodology. >

Filter refine list
Apply Clear filters

Display options
Display only Open Access journals
Counts for 4-year timeframe
No minimum selected
Minimum citations

1 result

Download Scopus Source List Learn more about Scopus Source List

All Export to Excel Save to source list

View metrics for year: 2020

Source title	CiteScore	Highest percentile	Citations 2017-20	Documents 2017-20	% Cited
1 Drug Design, Development and Therapy Open Access	5.6	76% 39/166 Pharmaceutical Science	8,499	1,526	73

Enhancing the security in RSA and elliptic curve cryptography based on addition chain using simplified Swarm Optimization and Particle Swarm Optimization for mobile devices

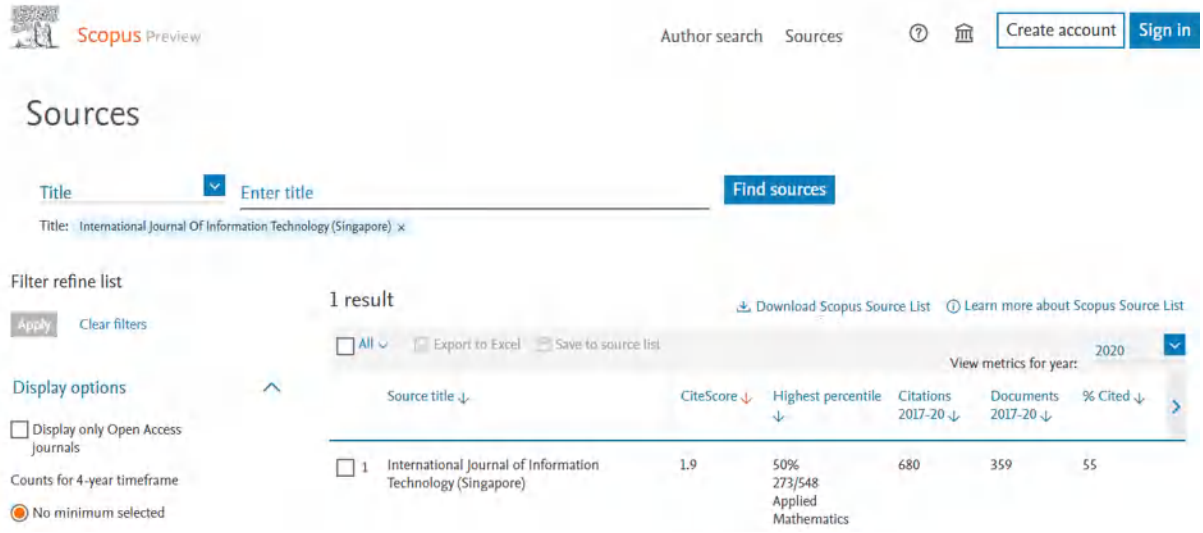
doi.org/10.1007/s41870-019-00413-8

Authors Affiliations:

1. **Department of Computer Science, SeethalakshmiRamaswami College (Autonomous), Affiliated to Bharathidasan University, Trichy, Tamil Nadu, India**
   A. Mullai

2. **Department of Computer Science, Nehru Memorial College (Autonomous), Affiliated to Bharathidasan University, Puthanampatti, Trichy, Tamil Nadu, India**
   K. Mani

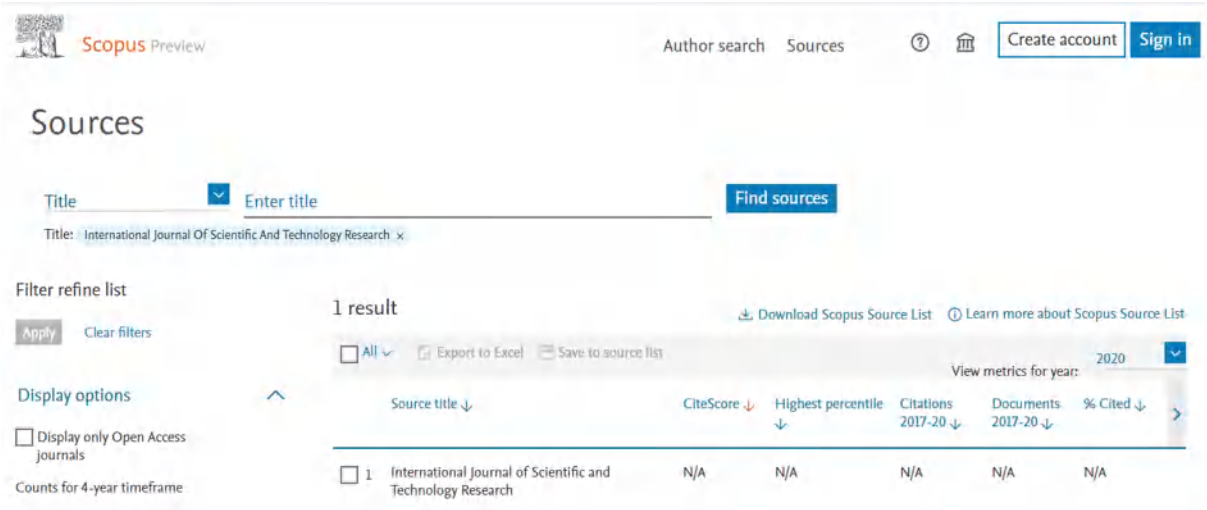
Scopus



Performance Comparison of the Cloud Optimized Eclat Growth and Multi-Core Processing Cloud Eclat Growth

ISSN 2277-8616

Scopus



Enhanced LSTM for ASD classification

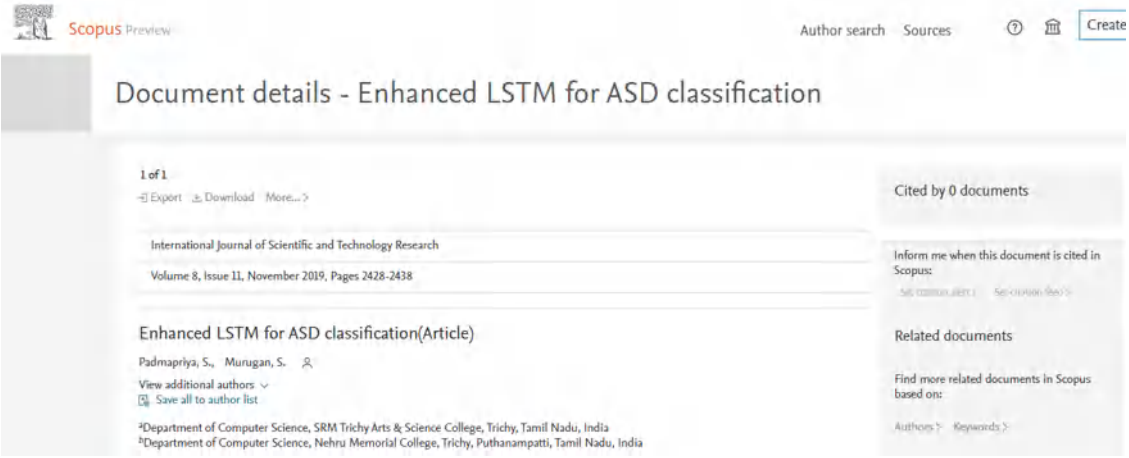
ISSN 2277-8616

INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8, ISSUE 11, NOVEMBER 2019 ISSN 2277-8616

Enhanced LSTM For ASD Classification

S. Padmapriya, S. Murugan

Scopus



Scopus Preview

Author search Sources

Create

Document details - Enhanced LSTM for ASD classification

1 of 1

Export Download More...

International Journal of Scientific and Technology Research

Volume 8, Issue 11, November 2019, Pages 2428-2438

Enhanced LSTM for ASD classification(Article)

Padmapriya, S., Murugan, S.

View additional authors

Save all to author list

[a]Department of Computer Science, SRM Trichy Arts & Science College, Trichy, Tamil Nadu, India

[b]Department of Computer Science, Nehru Memorial College, Trichy, Puthanampatti, Tamil Nadu, India

Cited by 0 documents

Inform me when this document is cited in Scopus:

Related documents

Find more related documents in Scopus based on:

Authors > Keywords >

Consecrate recurrent neural network classifier for autism classification

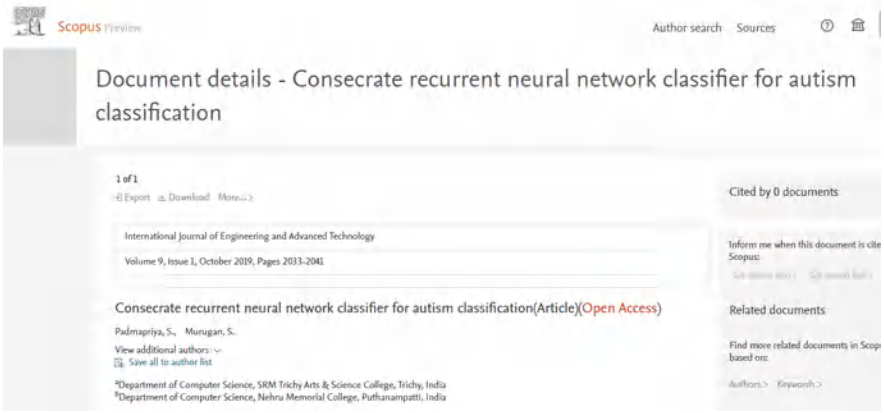
ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019

International Journal of Engineering and Advanced Technology (IJEAT)
ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019

Consecrate Recurrent Neural Network Classifier for Autism Classification

S. Padmapriya, S. Murugan

Scopus



Fine tune watershed using embankment to extract tumor from human head scan

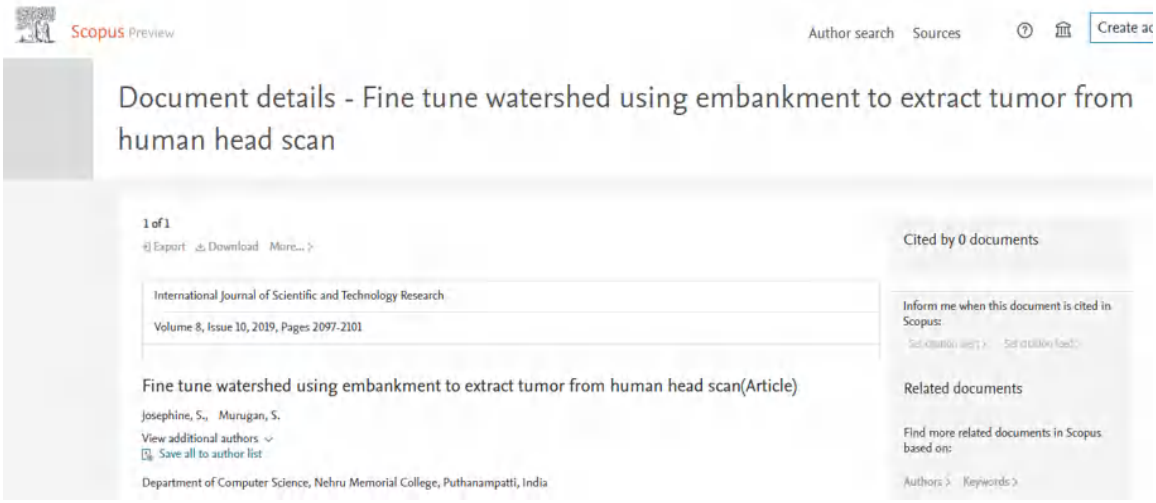
ISSN 2277-8616

INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8, ISSUE 10, OCTOBER 2019 ISSN 2277-8616

Fine Tune Watershed Using Embankment To Extract Tumor From Human Head Scan

S.JOSEPHINE, S.MURUGAN

Scopus



Scopus Preview

Author search Sources

Document details - Fine tune watershed using embankment to extract tumor from human head scan

1 of 1

Export Download More...

International Journal of Scientific and Technology Research

Volume 8, Issue 10, 2019, Pages 2097-2101

Fine tune watershed using embankment to extract tumor from human head scan(Article)

Josephine, S., Murugan, S.

View additional authors

Save all to author list

Department of Computer Science, Nehru Memorial College, Puthanampatti, India

Cited by 0 documents

Inform me when this document is cited in Scopus:

Related documents

Find more related documents in Scopus based on:

Authors > Keywords >

Brain Tumor Grade Detection by Using ANN

ISSN: 2249 – 8958, Volume-8 Issue-6,

International Journal of Engineering and Advanced Technology (IJEAT)
ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019

Brain Tumor Grade Detection by Using ANN

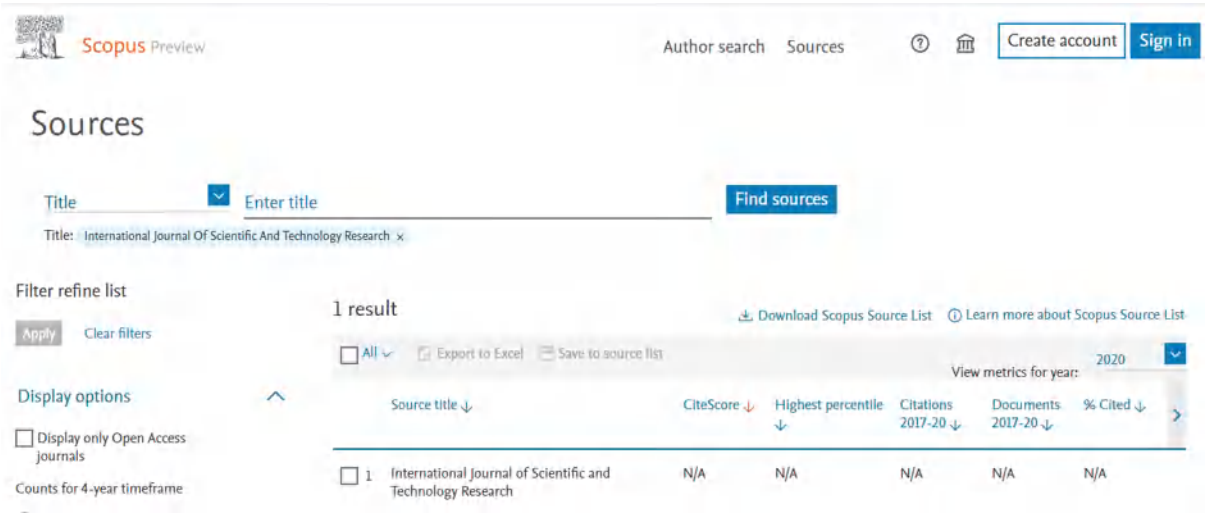
S. Josephine, S. Murugan

Scopus

Efficient High Average-Utility Pattern Mining for Big Data

ISSN 2277-8616

Scopus



Map Reduced Tighter Upper Bound for High Average-Utility Pattern Mining For Big Data

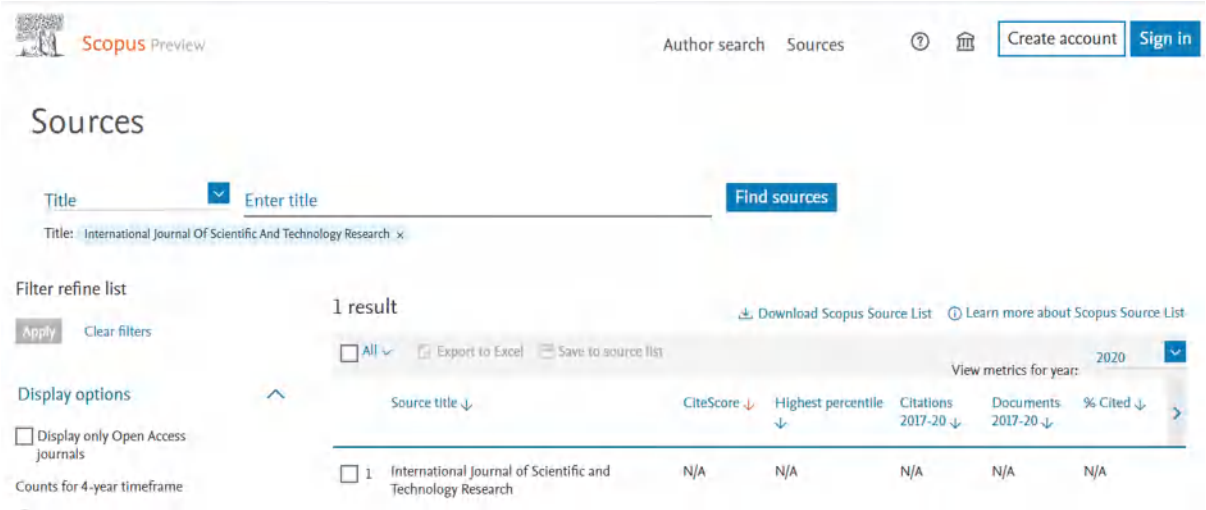
ISSN 2277-8616

INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8, ISSUE 11, NOVEMBER 2019 ISSN 2277-8616

Map-Reduced Tighter Upper Bound For High Average Utility Pattern Mining For Big Data

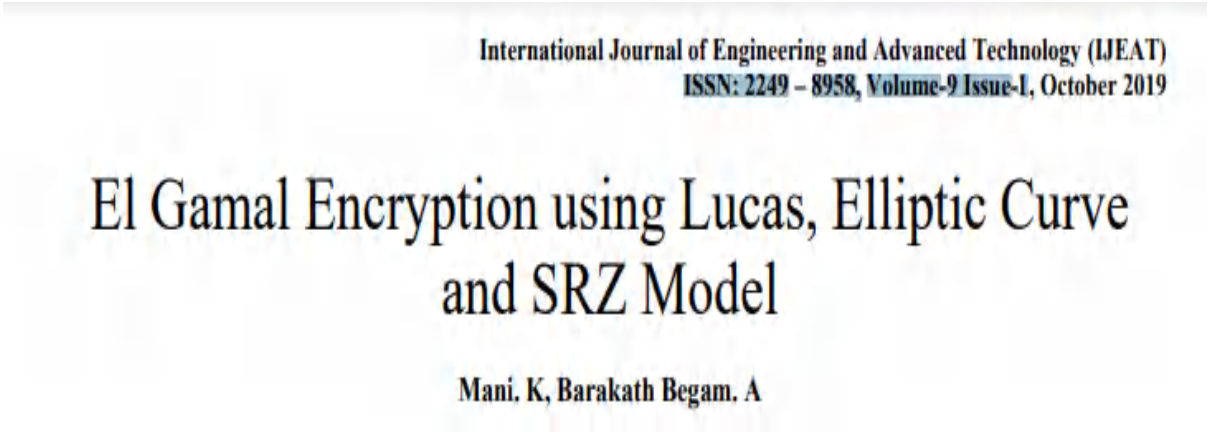
R.Vasumathi, Dr.S.Murugan

Scopus



Elgamal Encryption using Lucas, Elliptic Curve and SRZ Model.

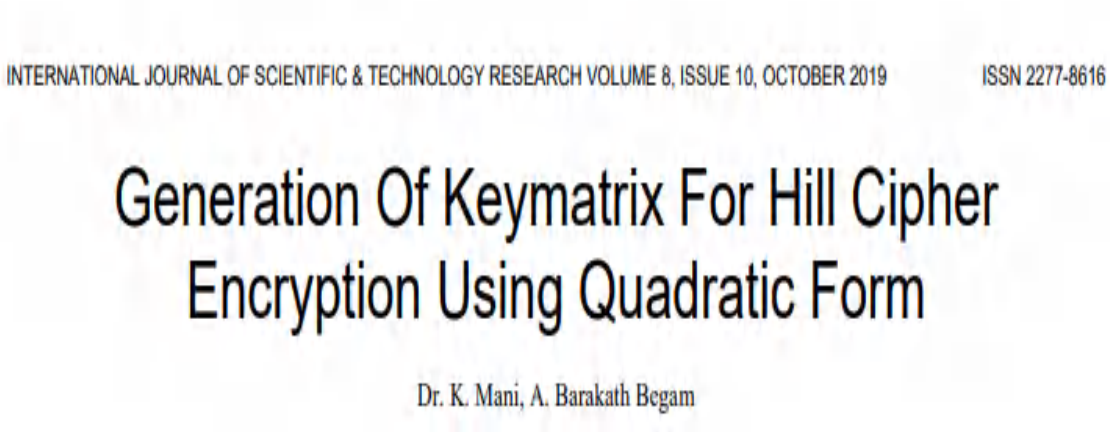
ISSN: 2249 – 8958, Volume-9 Issue-1



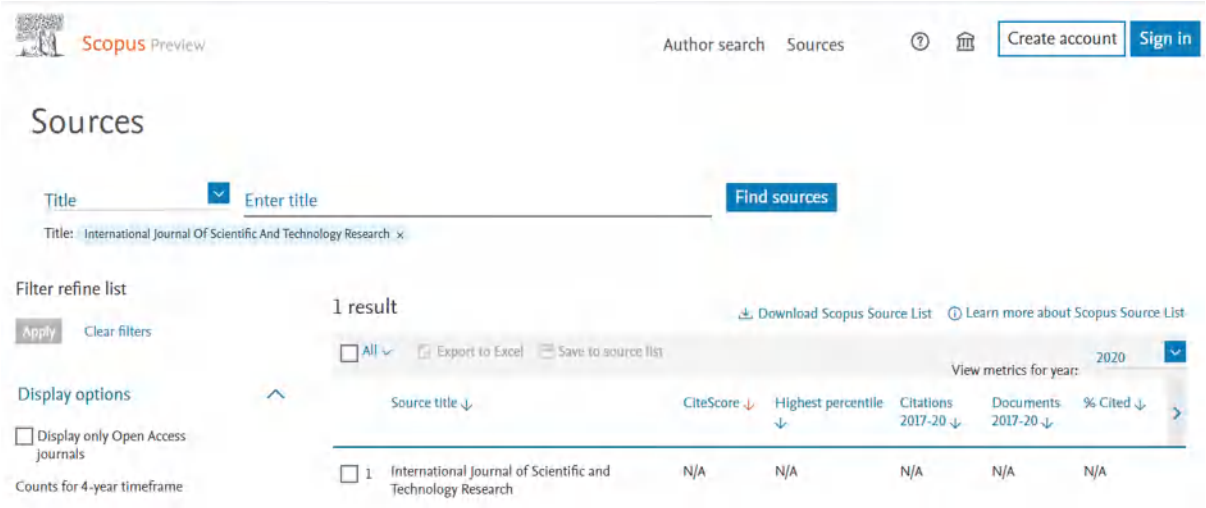
Scopus

Generation of KeymatrixFor Hill Cipher Encryption using Quadratic Form.

ISSN 2277-8616



Scopus



Generation of keystream for symmetric cipher using U-matrix

ISSN: 2277-3878, Volume-8 Issue-3,

DOI: 10.35940/ijrte.C4760.098319

International Journal of Recent Technology and Engineering (IJRTE)
ISSN: 2277-3878, Volume-8 Issue-3, September 2019

Generation of Keystream for Symmetric Cipher using U-Matrix

Mani. K, Devi. A

Scopus

AUTHORS PROFILE

Mani. K received his MCA and M.Tech. from the Bharathidasan University, Trichy, India in Computer Applications and Advanced Information Technology respectively. Since 1989, he has been with the Department of Computer Science at the Nehru Memorial College, affiliated to Bharathidasan University where he is currently working as an Associate Professor. He completed his PhD in Cryptography with primary emphasis on evolution of framework for enhancing the security and optimizing the run time in cryptographic algorithms. He published and presented around 15 research papers at international journals and conferences.

Devi. A received her MCA and M.Phil. from Bharathidasan University, Trichy, India in Computer Science Applications. During 2004-2016(April), she had been with the Department of Computer Science at the Lowry Memorial College, affiliated to Bangalore university, Karnataka, India where she was working as an Associate Professor. During 1998-2001, She was working as a programmer in different software companies. She is currently working as a Professor in Reva University Karnataka, India. She has submitted her PhD thesis in Compressed Cryptosystem, Bharathidasan University, Trichy, India.

TSD-CPI: Traffic sign Detection Technique based on Centroid Position Identification in Text Mining

DOI: 10.35940/ijeat.B3056.129219

International Journal of Engineering and Advanced Technology (IJEAT)
ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019

TSD-CPI: Traffic Sign Detection Technique Based on Centroid Position Identification in Text Mining

R. Karthika, S. Murugan

Revised Manuscript Received on December 15, 2019.
R. Karthika, Research Scholar, Department of Computer Science, Memorial College (Autonomous), Puthanampatti-621007 (Tamil Nadu) India. E-mail: r.karthi1711@gmail.com
S. Murugan, Associate Professor, Department of Computer Science, Memorial College (Autonomous), Puthanampatti-621007 (Tamil Nadu) India. E-mail: murugan_nmc@hotmail.com

Scopus

Trust Based Secure Routing Mechanism in Mobile Adhoc Networks for Enhancing the Routing Performances

DOI: 10.35940/ijeat.C5492.029320

International Journal of Engineering and Advanced Technology (IJEAT)
ISSN: 2249 – 8958, Volume-9 Issue-3, February, 2020

Trust Based Secure Routing Mechanism in Mobile Adhoc Networks for Enhancing the Routing Performances

K. Mani, S. Prasath Sivasubramanian

Revised Manuscript Received on February 10, 2020.
Dr. K. Mani, Associate Professor of Computer Science, Nehru Memorial College, Puthanampatti, Trichirapalli, India
nitishmanik@gmail.com
S.Prasath Sivasubramanian, Research Scholar,, Nehru Memorial College, Puthanampatti, Trichirapalli, India, mail2prasath@gmail.com

Retrieval Number: C5492029320/2020©BEIESP
DOI: 10.35940/ijeat.C5492.029320

Scopus

The connected complement domination matrix and energy of graphs

; ISSN: 1314-3395

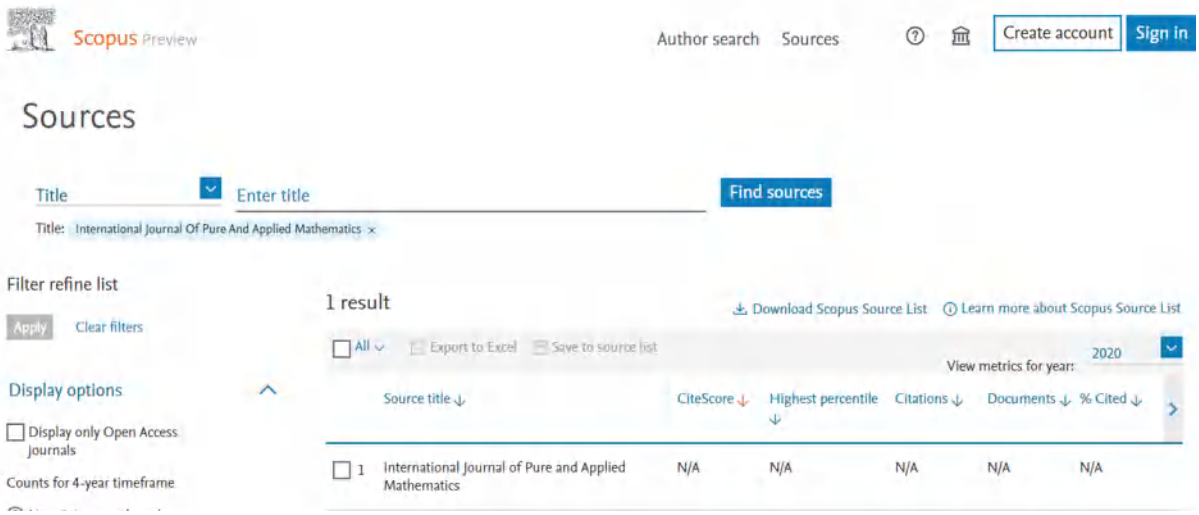
Inter national Journal of Pure and Applied Mathematics
Volume 113 No. 10 2017, 326 – 333
ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)
url: http://www.ijpam.eu
Special Issue

ijpam.eu

The connected complement domination matrix and energy of graphs

S. Dhivyakannu[1] V.Mohana Selvi[2]
[1]Assistant Professor, Dept of Mathematics, Nehru Memorial College, Puthanampatti, Trichy.
divkannu@gmail.com
[2]Assistant professor, Department of mathematics, Nehru Memorial College, Puthanampatti.
vmohanaselvi@gmail.com

Scopus



Study of intermolecular interactions in the binary mixtures containing cyclic ethers and benzyl amine at different temperatures

doi.org/10.1016/j.cdc.2020.100561

ELSEVIER

Chemical Data Collections
Volume 30, December 2020, 100561

Data Article

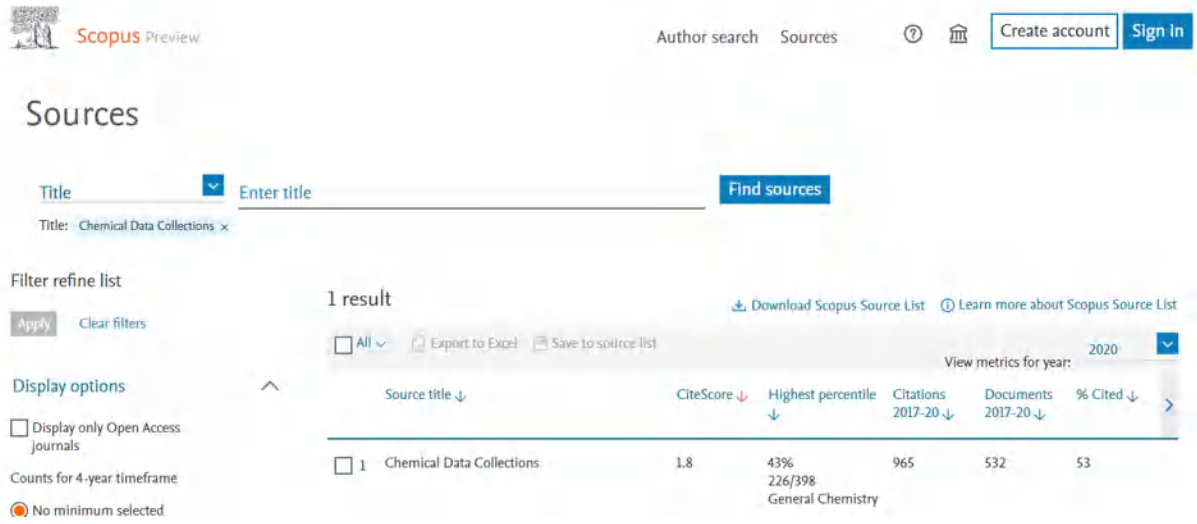
Study of intermolecular interactions in the binary mixtures containing cyclic ethers and benzyl amine at different temperatures

R. Rajalakshmi [a], S. Ravikumar [a], R. Raju [a], Rekha Gaba [b], R. Gerald Arokiaraj [a], S. Balamurugan [a], R. Sangeetha [a], V. Pandiyan [a]

[a] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, 621 007, Tamil Nadu, India
[b] Department of Chemistry, DAV University, Jalandhar, 144 012, Punjab, India

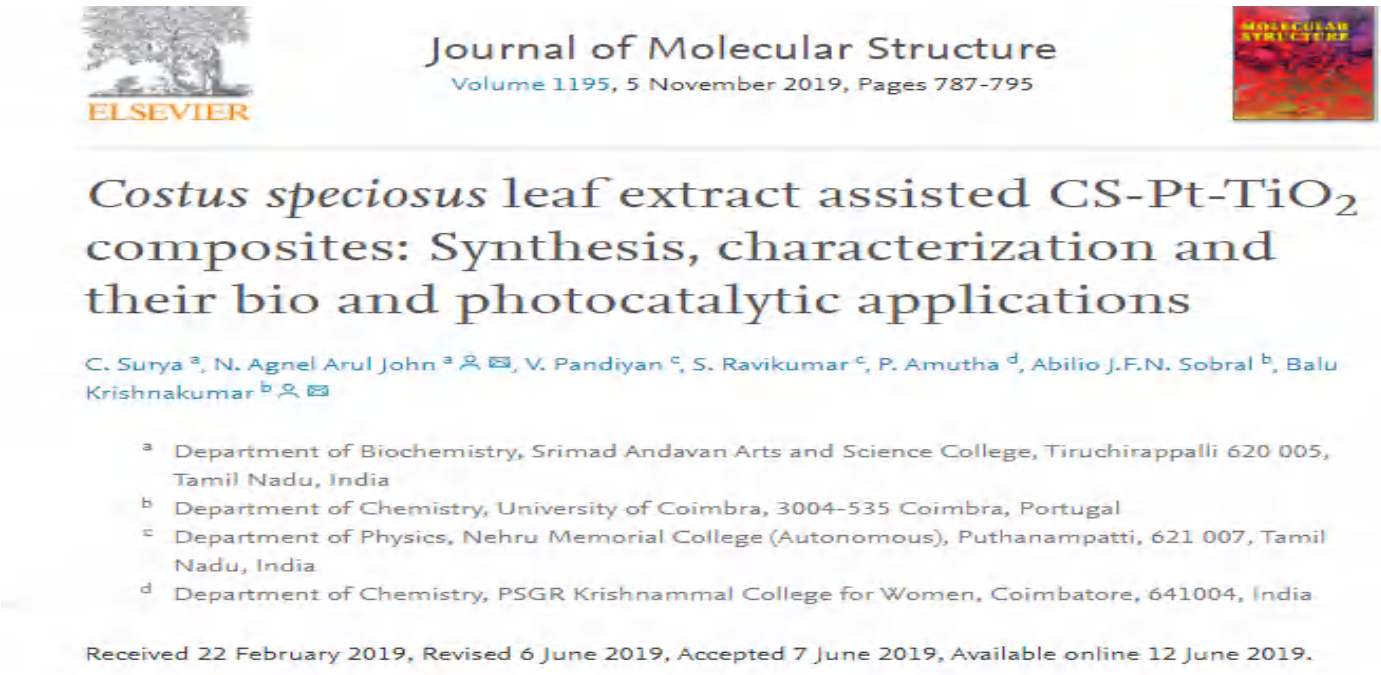
Received 4 April 2020, Revised 10 September 2020, Accepted 5 October 2020, Available online 9 October 2020.

Scopus



Costus speciosus leaf extract assisted CS-Pt-TiO2 composites: Synthesis, characterization and their bio and photocatalytic applications.

doi.org/10.1016/j.molstruc.2019.06.030



ELSEVIER

Journal of Molecular Structure
Volume 1195, 5 November 2019, Pages 787-795

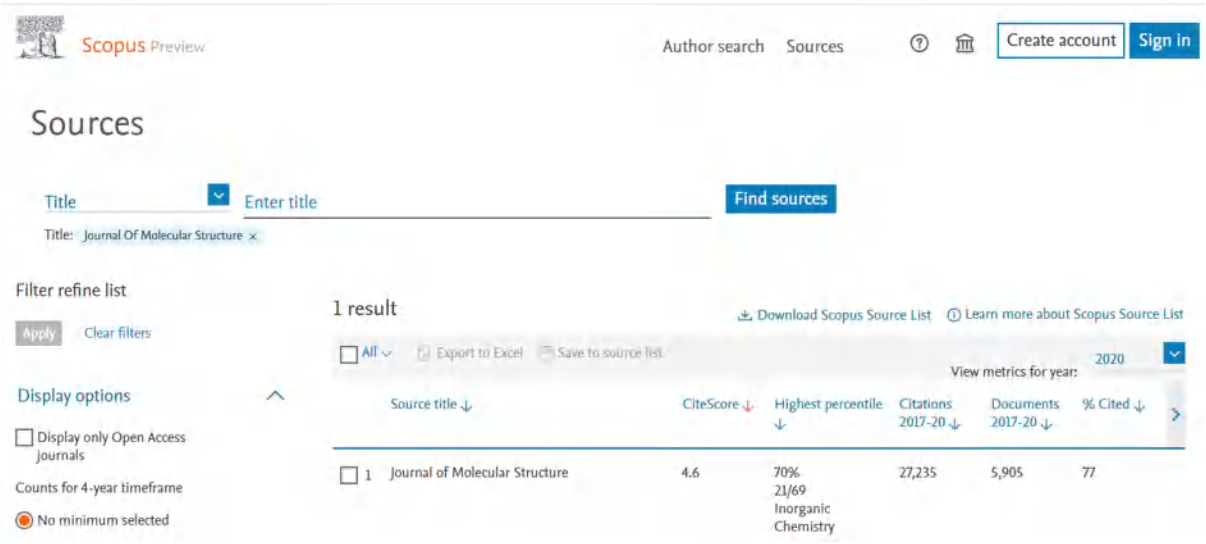
Costus speciosus leaf extract assisted CS-Pt-TiO_2 composites: Synthesis, characterization and their bio and photocatalytic applications

C. Surya [a], N. Agnel Arul John [a], V. Pandiyan [c], S. Ravikumar [c], P. Amutha [d], Abilio J.F.N. Sobral [b], Balu Krishnakumar [b]

[a] Department of Biochemistry, Srimad Andavan Arts and Science College, Tiruchirappalli 620 005, Tamil Nadu, India
[b] Department of Chemistry, University of Coimbra, 3004-535 Coimbra, Portugal
[c] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, 621 007, Tamil Nadu, India
[d] Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore, 641004, India

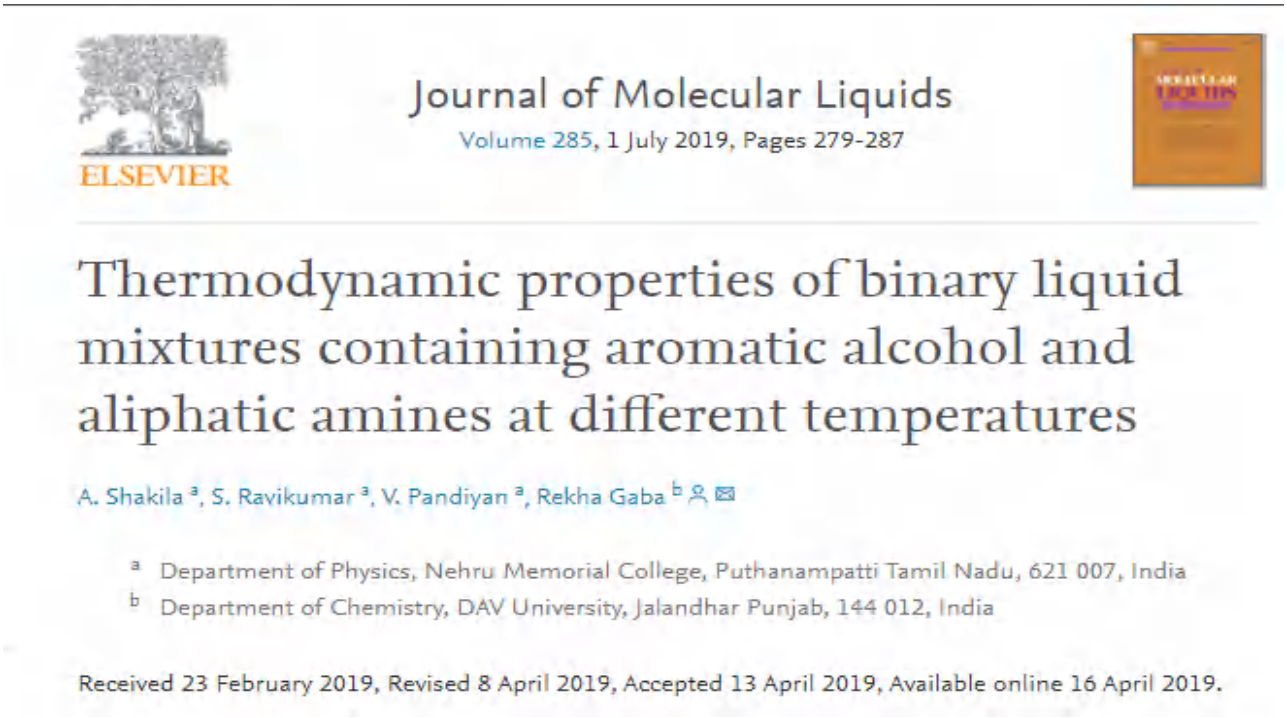
Received 22 February 2019, Revised 6 June 2019, Accepted 7 June 2019, Available online 12 June 2019.

Scopus



Thermodynamic properties of binary liquid mixtures containing aromatic alcohol and aliphatic amines at different temperatures.

doi.org/10.1016/j.molliq.2019.04.064



ELSEVIER

Journal of Molecular Liquids

Volume 285, 1 July 2019, Pages 279-287

Thermodynamic properties of binary liquid mixtures containing aromatic alcohol and aliphatic amines at different temperatures

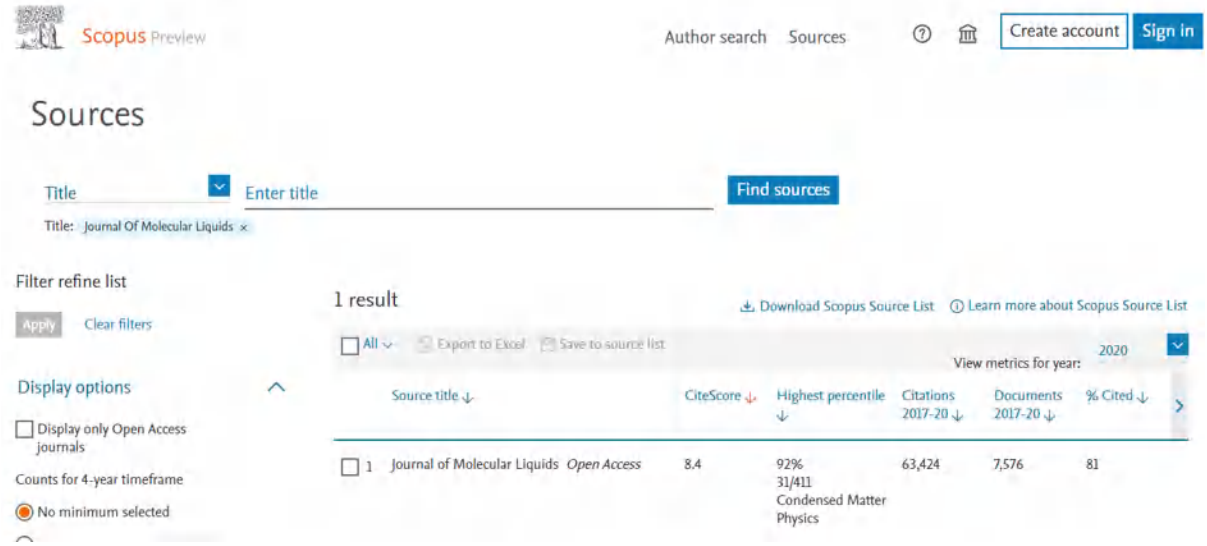
A. Shakila [a], S. Ravikumar [a], V. Pandiyan [a], Rekha Gaba [b]

[a] Department of Physics, Nehru Memorial College, Puthanampatti Tamil Nadu, 621 007, India

[b] Department of Chemistry, DAV University, Jalandhar Punjab, 144 012, India

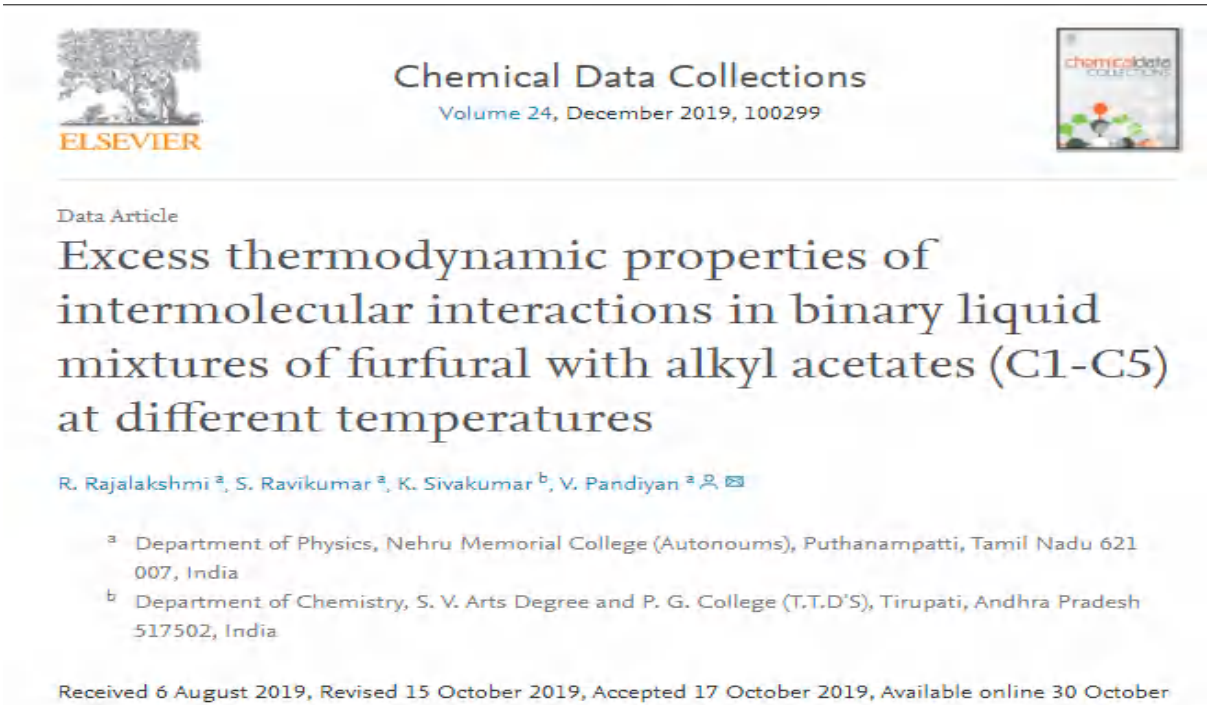
Received 23 February 2019, Revised 8 April 2019, Accepted 13 April 2019, Available online 16 April 2019.

Scopus



Excess thermodynamic properties of intermolecular interactions in binary liquid mixtures of furfural with alkyl acetates (C1-C5) at different temperatures,

doi.org/10.1016/j.cdc.2019.100299



ELSEVIER

Chemical Data Collections
Volume 24, December 2019, 100299

Data Article

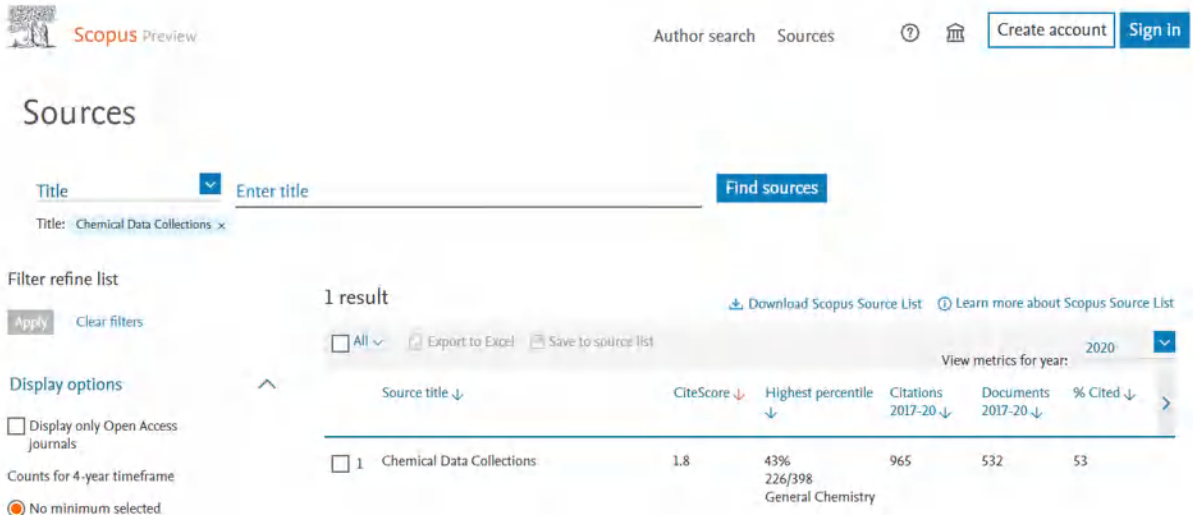
Excess thermodynamic properties of intermolecular interactions in binary liquid mixtures of furfural with alkyl acetates (C1-C5) at different temperatures

R. Rajalakshmi [a], S. Ravikumar [a], K. Sivakumar [b], V. Pandiyan [a]

[a] Department of Physics, Nehru Memorial College (Autonoums), Puthanampatti, Tamil Nadu 621 007, India
[b] Department of Chemistry, S. V. Arts Degree and P. G. College (T.T.D'S), Tirupati, Andhra Pradesh 517502, India

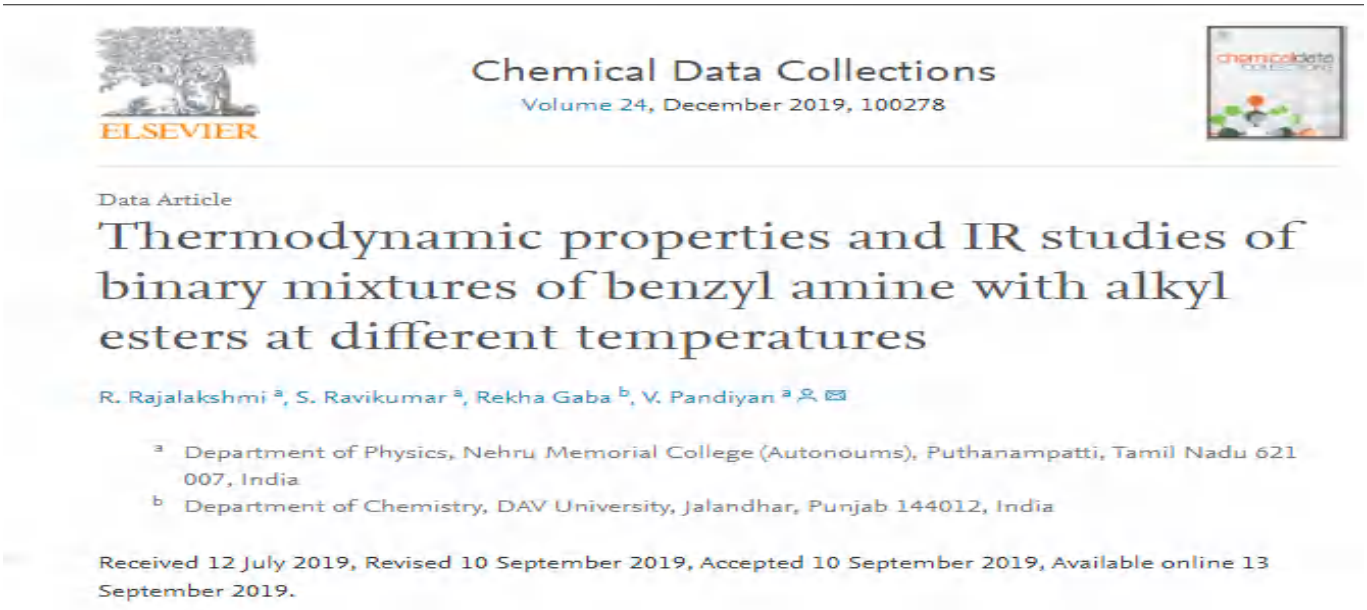
Received 6 August 2019, Revised 15 October 2019, Accepted 17 October 2019, Available online 30 October

Scopus



Thermodynamic properties and IR studies of binary mixtures of benzyl amine with alkyl esters at different temperatures

doi.org/10.1016/j.cdc.2019.100278



ELSEVIER

Chemical Data Collections
Volume 24, December 2019, 100278

Data Article

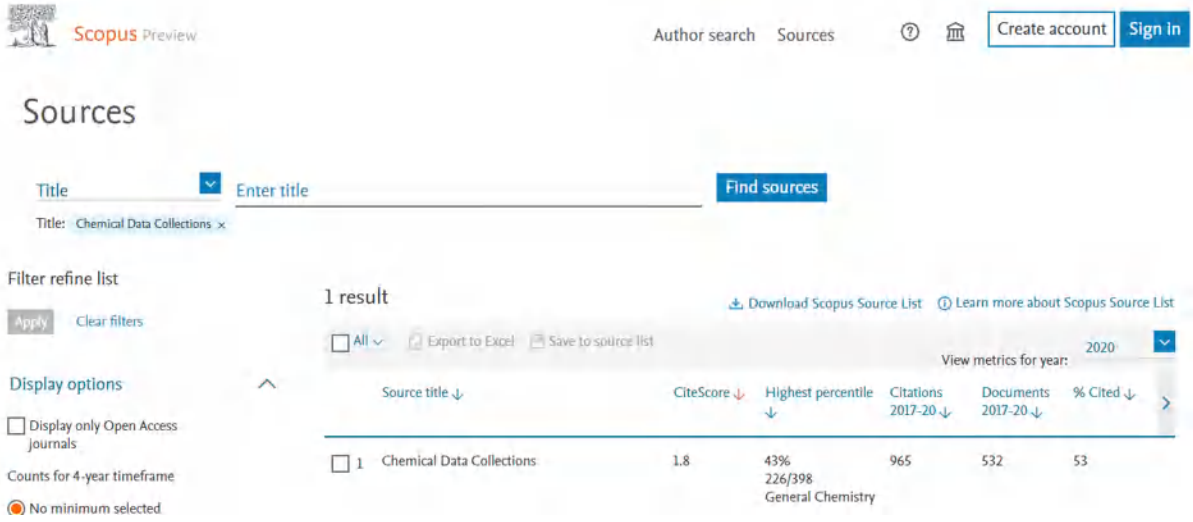
Thermodynamic properties and IR studies of binary mixtures of benzyl amine with alkyl esters at different temperatures

R. Rajalakshmi [a], S. Ravikumar [a], Rekha Gaba [b], V. Pandiyan [a]

[a] Department of Physics, Nehru Memorial College (Autonoums), Puthanampatti, Tamil Nadu 621 007, India
[b] Department of Chemistry, DAV University, Jalandhar, Punjab 144012, India

Received 12 July 2019, Revised 10 September 2019, Accepted 10 September 2019, Available online 13 September 2019.

Scopus

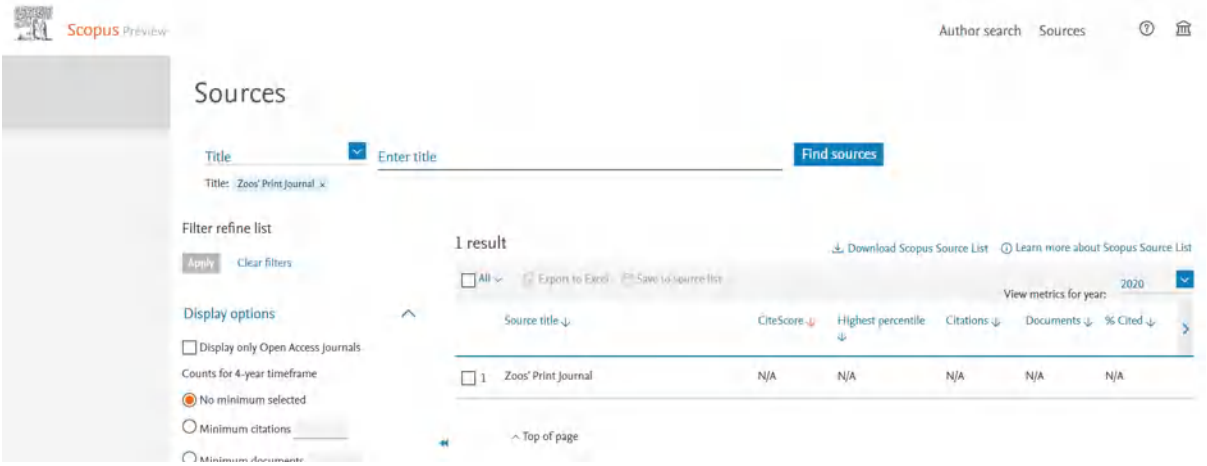


Sighting of threatened amphibians from the Avalanche Forest in Western Ghats, Nilgiris, Tamil Nadu

ISSN 0971-6378

T. Siva
Research Department of Zoology, Nehru Memorial College, Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India.

Scopus



Emergence and mitigation of extreme events in a parametrically driven system with velocity-dependent potential

doi.org/10.1140/epjp/s13360-021-01114-7

SpringerLink

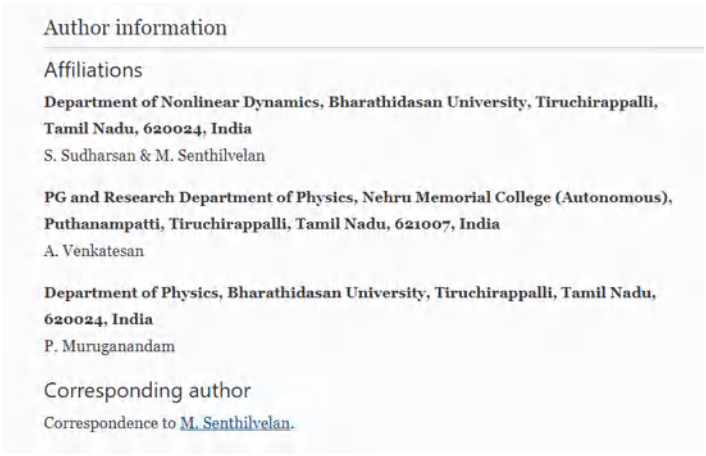
Regular Article | Published: 23 January 2021

Emergence and mitigation of extreme events in a parametrically driven system with velocity-dependent potential

S. Sudharsan, A. Venkatesan, P. Muruganandam & M. Senthilvelan

The European Physical Journal Plus **136**, Article number: 129 (2021) | Cite this article

214 Accesses | **1** Altmetric | Metrics



Author information

Affiliations

Department of Nonlinear Dynamics, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024, India

S. Sudharsan & M. Senthilvelan

PG and Research Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, Tamil Nadu, 621007, India

A. Venkatesan

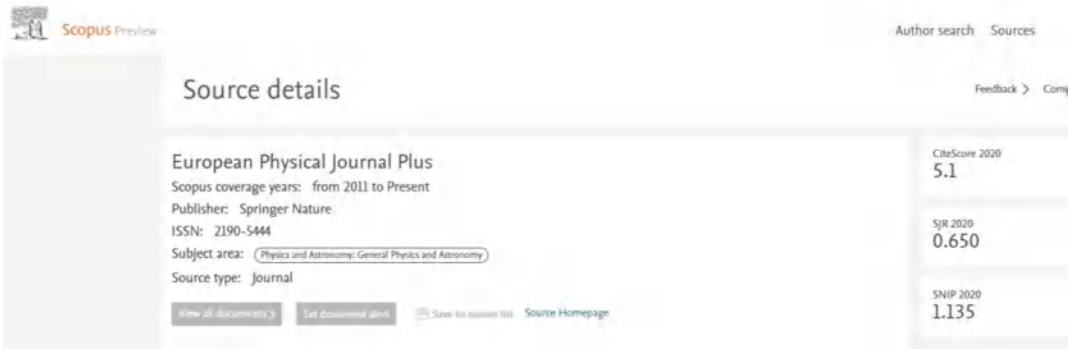
Department of Physics, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024, India

P. Muruganandam

Corresponding author

Correspondence to M. Senthilvelan.

Scopus



Scopus Preview

Author search Sources

Source details

Feedback > Com

European Physical Journal Plus

Scopus coverage years: from 2011 to Present

Publisher: Springer Nature

ISSN: 2190-5444

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Journal

View all documents > Set document alert Save to source list Source Homepage

CiteScore 2020
5.1

SJR 2020
0.650

SNIP 2020
1.135

Route to logical strange nonchaotic attractors with single periodic force and noise

doi.org/10.1063/5.0017725

AIP Chaos: An Interdisciplinary Journal of Nonlinear Science

SUBMIT YOUR ARTICLE

HOME BROWSE INFO FOR AUTHORS COLLECTIONS SIGN UP FOR ALERTS

Home > Chaos: An Interdisciplinary Journal of Nonlinear Science > Volume 30, Issue 9 > 10.1063/5.0017725

PREV NEXT

No Access . Published Online: 21 September 2020 Accepted: September 2020

Route to logical strange nonchaotic attractors with single periodic force and noise

Chaos 30, 093137 (2020): https://doi.org/10.1063/5.0017725

M. Sathish Aravindh[1,2,a], A. Venkatesan[1,b], and M. Lakshmanan[2,c]

Hide Affiliations

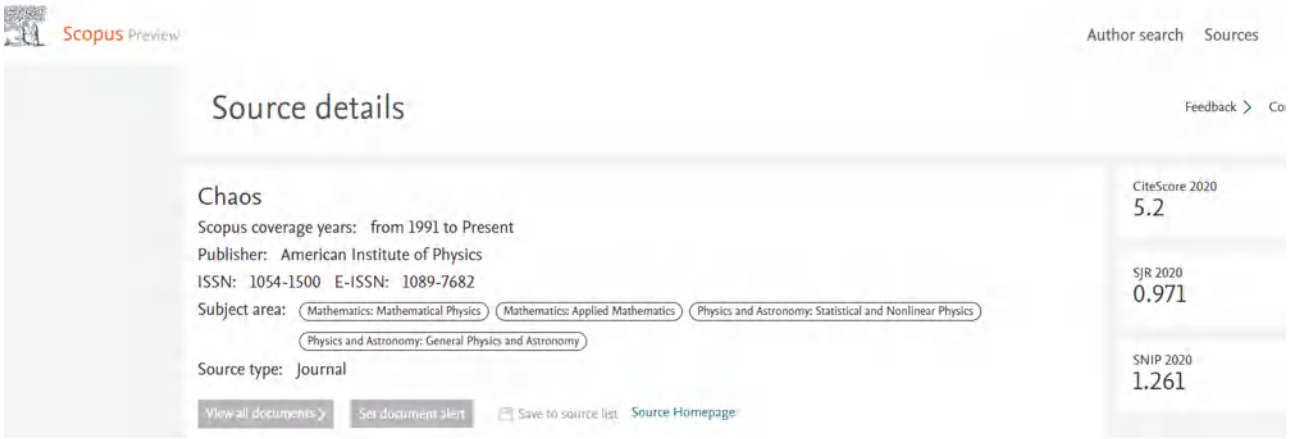
[1]PG & Research Department of Physics, Nehru Memorial College (Autonomous), Affiliated to Bharathidasan University, Puthanampatti, Tiruchirappalli 621 007, India
[2]Department of Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirappalli 620 024, India

[a]Electronic mail: sathisharavindhm@gmail.com

[b]Author to whom correspondence should be addressed: av.phys@gmail.com

[c]Electronic mail: lakshman.cnld@gmail.com

Scopus



Complex Dynamics in a Memristive Diode Bridge-Based MLC Circuit: Coexisting Attractors and Double-Transient Chaos

doi.org/10.1142/S0218127421500498

International Journal of Bifurcation and Chaos, Vol. 31, No. 3 (2021) 2150049 [15 pages]
© World Scientific Publishing Company
DOI: [illegible]

Complex Dynamics in a Memristive Diode Bridge-Based MLC Circuit: Coexisting Attractors and Double-Transient Chaos

A. Chithra
B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India

T. Fozin Fozin*
Department of Electrical and Electronic Engineering, Faculty of Engineering and Technology (FET), University of Buea, P.O. Box 63, Buea, Cameroon
Department of Training, Research and Innovation at InchTechs Sarl, Yaoundé, Cameroon
fozinthes@gmail.com

K. Srinivasan
Department of Physics, Nehru Memorial College, Puthanampatti, P.O. Box 621 007, Tiruchirappalli, India

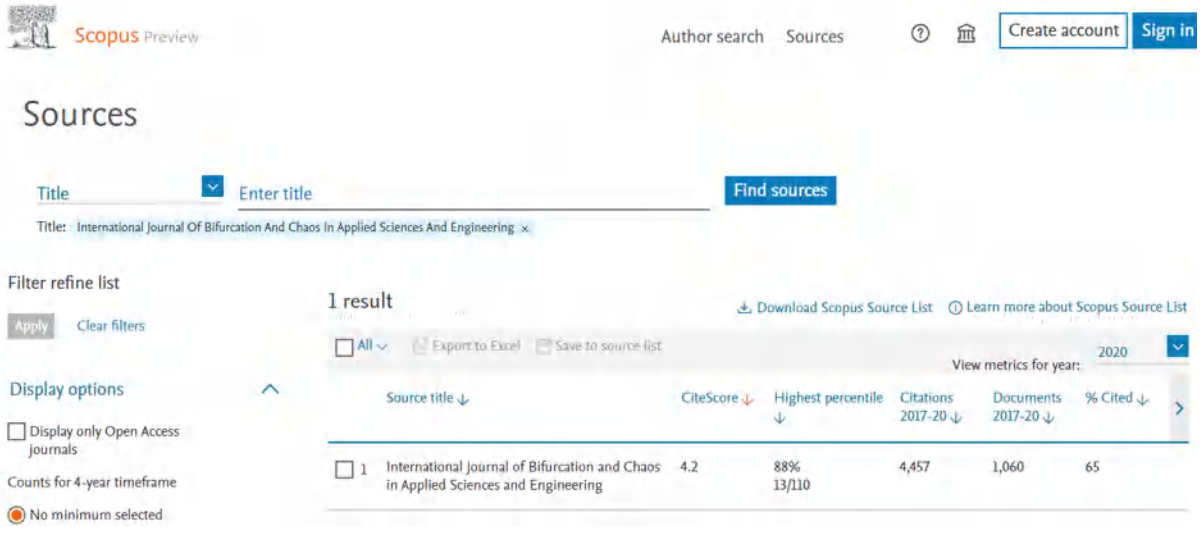
E. R. Mache Kengne
Unité de Recherche de Matière Condensée, d'Électronique et de Traitement de Signal (UR-MACETS) Department of Physics, Faculty of Sciences, University of Dschang, P.O. Box 67, Dschang, Cameroon

A. Tchagna Kouanou
Department of Electrical and Electronic Engineering, College Of Technology (COT), University of Buea, P. O. Box 63, Buea, Cameroon
Department of Training, Research and Innovation at InchTechs Sarl, Yaoundé, Cameroon

I. Raja Mohamed
B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India
rajamohamed@crescent.education

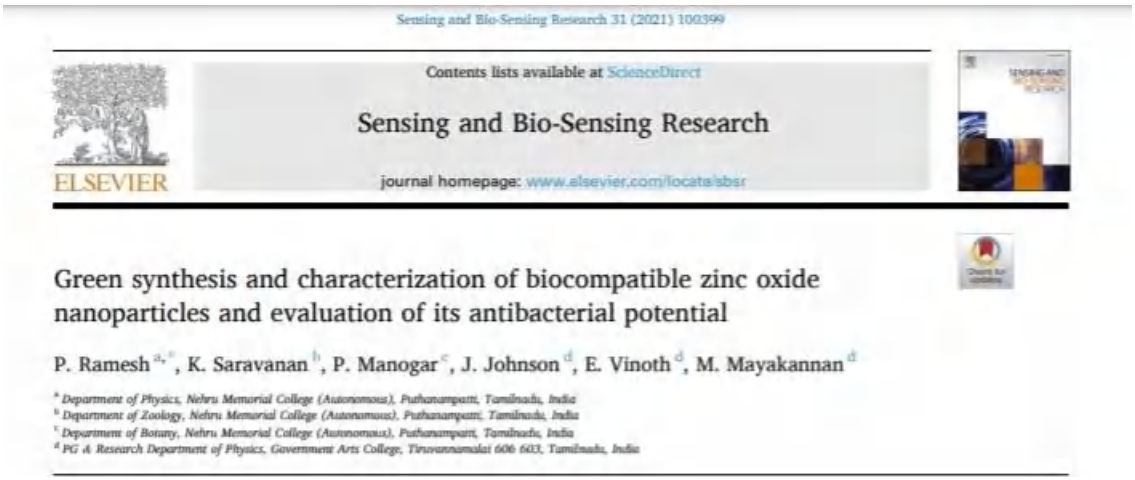
Received ; Revised

Scopus



Green synthesis and characterization of biocompatible zinc oxide nanoparticles and evaluation of its antibacterial potential

doi.org/10.1016/j.sbsr.2021.100399



Sensing and Bio-Sensing Research 31 (2021) 100399

Contents lists available at ScienceDirect

Sensing and Bio-Sensing Research

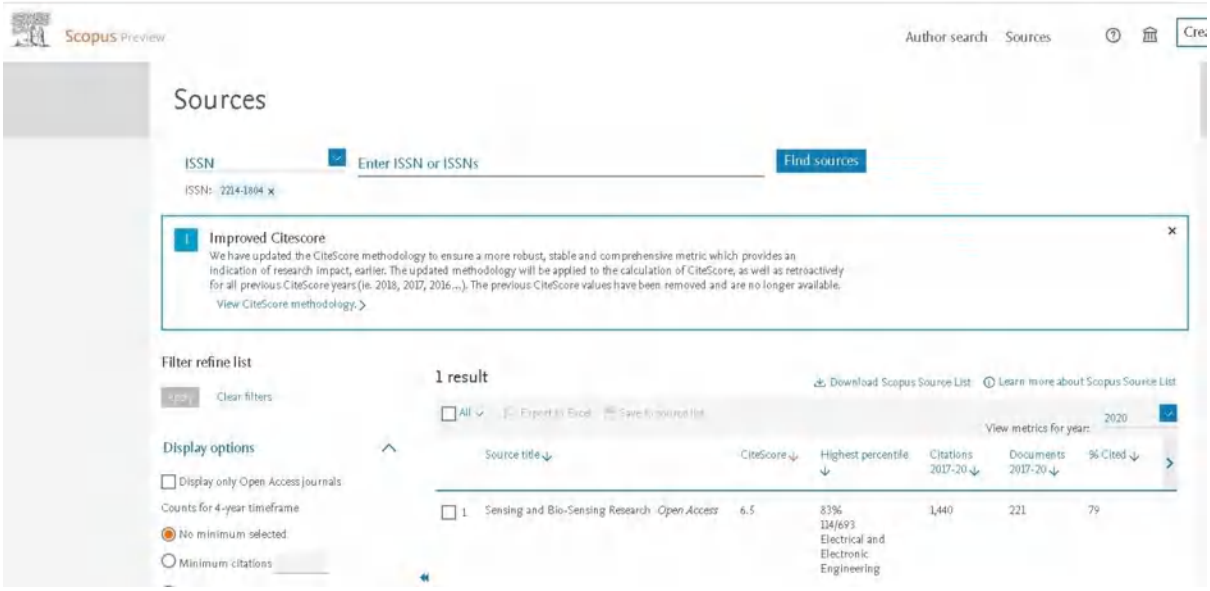
journal homepage: www.elsevier.com/locate/sbsr

Green synthesis and characterization of biocompatible zinc oxide nanoparticles and evaluation of its antibacterial potential

P. Ramesh [a,*], K. Saravanan [b], P. Manogar [c], J. Johnson [d], E. Vinoth [d], M. Mayakannan [d]

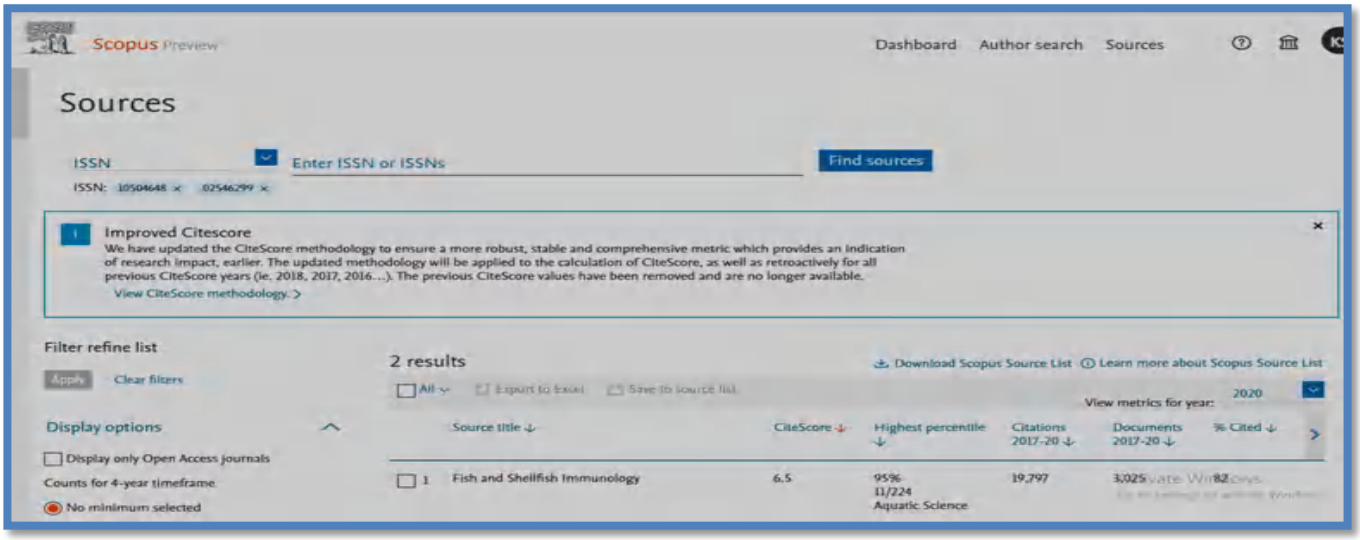
[a] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, Tamilnadu, India
[b] Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tamilnadu, India
[c] Department of Botany, Nehru Memorial College (Autonomous), Puthanampatti, Tamilnadu, India
[d] PG & Research Department of Physics, Government Arts College, Tiruvannamalai 606 603, Tamilnadu, India

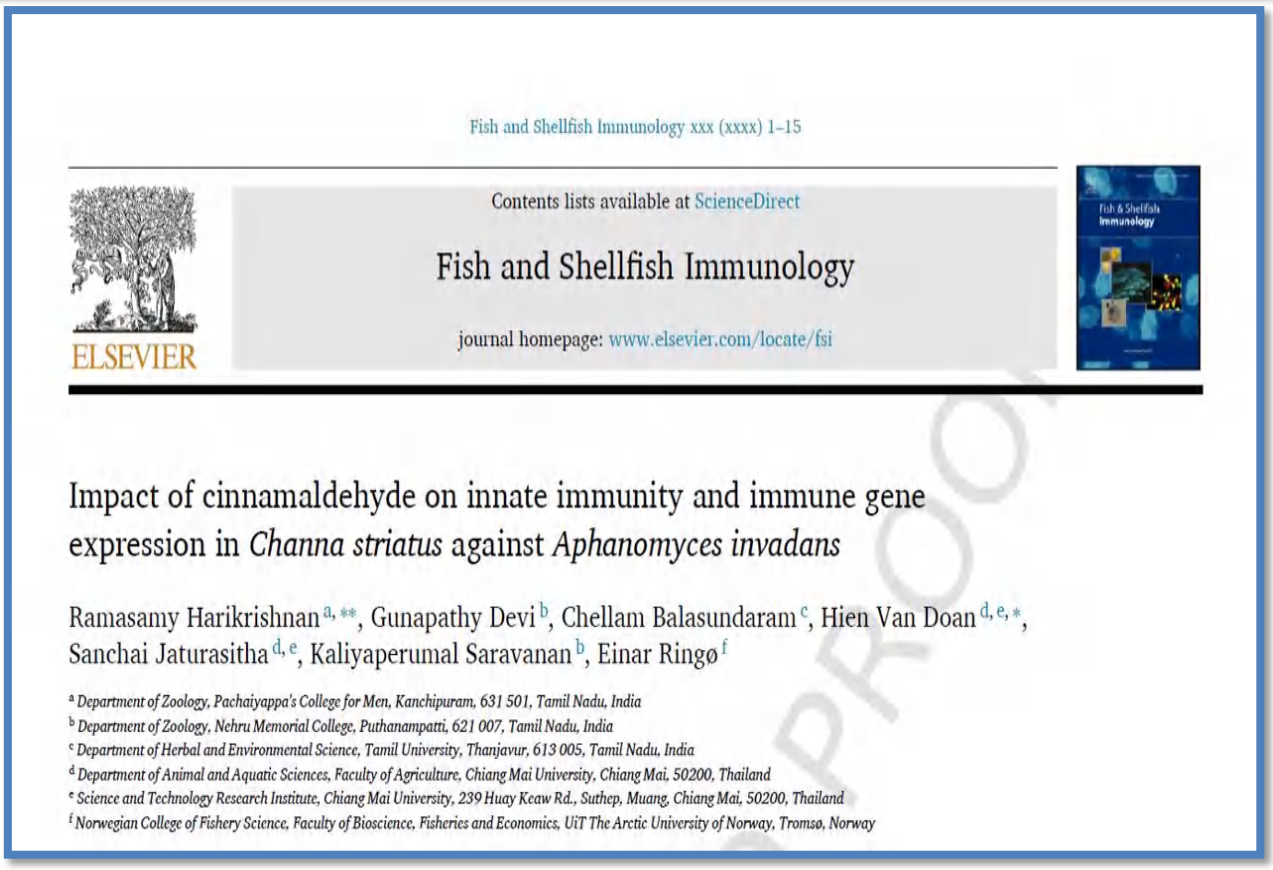
Scopus



Ramasamy Harikrishnan, **Gunapathy Devi**, Chellam Balasundaram, Hien Van Doan, Sanchai Jaturasitha, **Kaliyaperumal Saravanan**, Einar Ring. 2021.

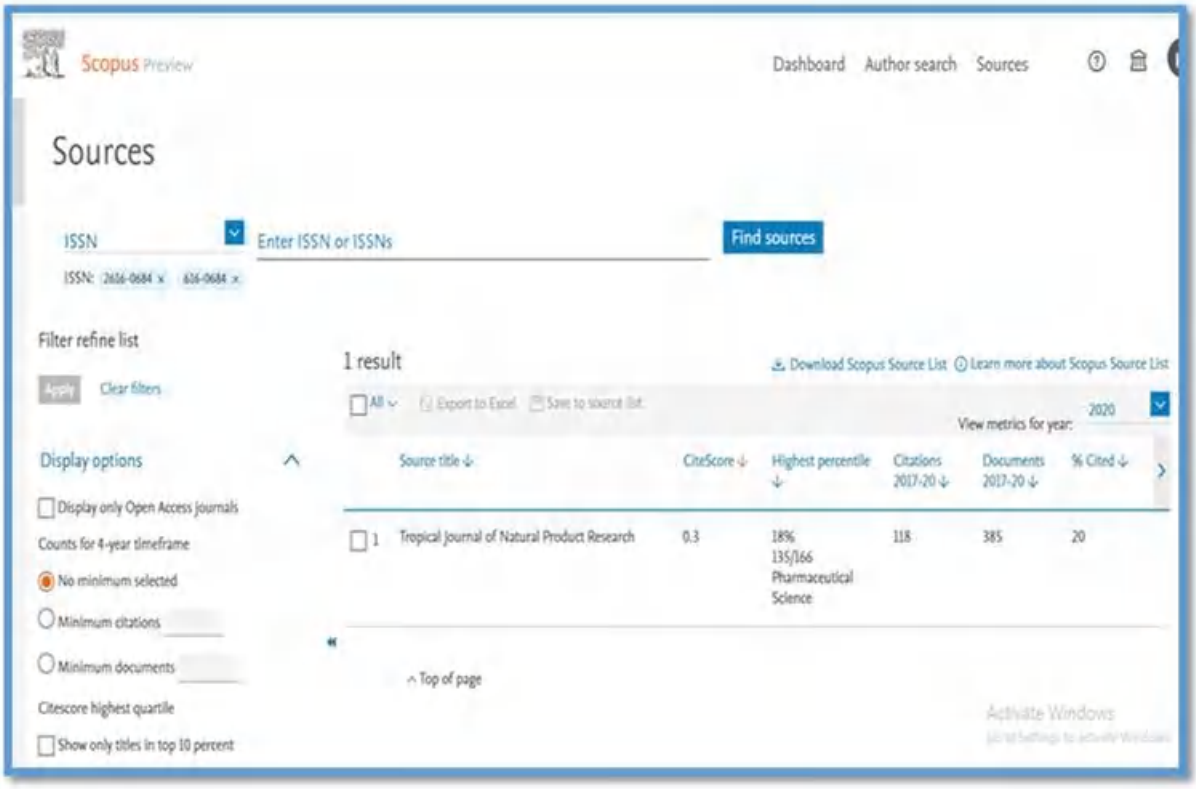
Impact of cinnamaldehyde on innate immunity and immune gene expression in *Channa striatus* against *Aphanomyces invadans*. *Fish and Shellfish Immunology*.
https://doi.org/10.1016/j.fsi.2021.07.009





Periyasamy Karuppannan, **Kaliyaperumal Saravanan**, Chukwuebuka Egbuna Chukwuemelie Z. Uche, Kingsley C. Patrick-Iwuanyanwu, Johra Khan. 2021. Antihyperlipidemic Effects of Silver Nanoparticles Synthesized from *Ventilago maderaspatana* Leaf Extract on Streptozotocin-Induced Albino Rats. *Tropical Journal of Natural Product Research*

DOI: http://www.doi.org/10.26538/tjnpr/v1i4.5



Trop J Nat Prod Res, June 2021; 5(6):1066-1071

ISSN 2616-0684 (Print)
ISSN 2616-0692 (Electronic)

Tropical Journal of Natural Product Research

Available online at https://www.tjnpr.org

Original Research Article

Antihyperlipidemic Effects of Silver Nanoparticles Synthesized from *Ventilago maderaspatana* Leaf Extract on Streptozotocin-Induced Albino Rats

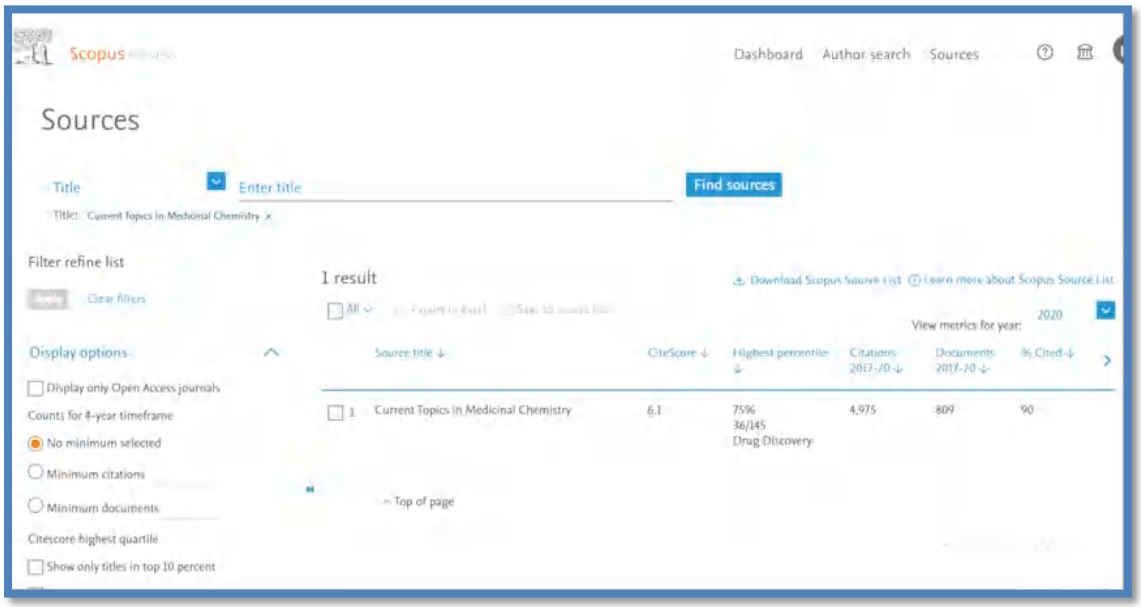
Periyasamy Karuppannan[1], Kaliyaperumal Saravanan[1]*, Chukwuebuka Egbuna[2,3,4]*, Chukwuemelie Z. Uche[5], Kingsley C. Patrick-Iwuanyanwu[2,3], Johra Khan[6,7]

[1]*PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti – 621 007 Affiliated to Bharathidasan University, Tiruchirappalli, Tamil Nadu, India*
[2]*Africa Centre of Excellence for Public Health and Toxicological Research (ACE-PUTOR), Nutritional Biochemistry/Toxicology Unit, University of Port Harcourt, PMB, 5323 Port Harcourt, Choba, Nigeria*
[3]*Department of Biochemistry, Faculty of Science, University of Port Harcourt, Port Harcourt, Nigeria*
[4]*Department of Biochemistry, Faculty of Natural Sciences, Chukwuemeka Odumegwu Ojukwu University, Anambra, State, Nigeria*
[5]*Department of Medical Biochemistry and Molecular Biology, Faculty of Basic Medical Sciences, University of Nigeria, Enugu Campus, Nigeria*
[6]*Department of Medical Laboratory Sciences, College of Applied Medical Sciences, Majmaah University, Majmaah, 11952, Saudi Arabia*
[7]*Health and Basic Sciences Research Center, Majmaah University, Majmaah, 11952, Saudi Arabia*

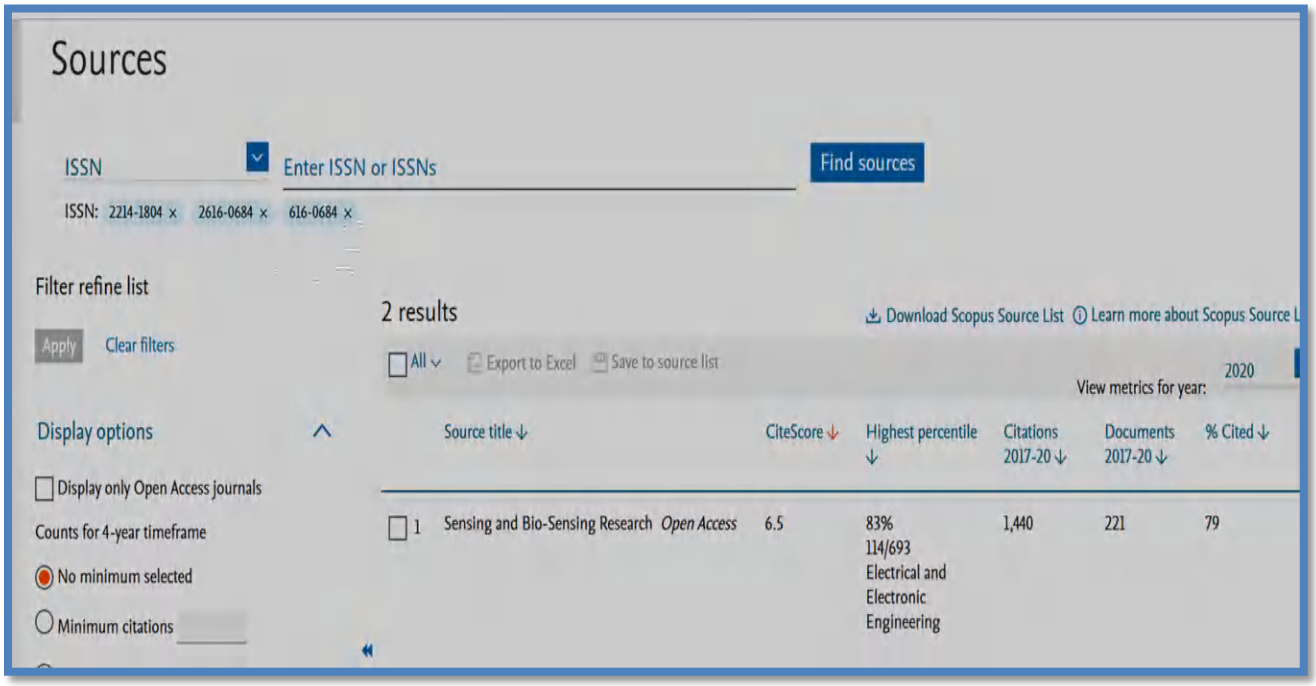
Chukwuebuka Egbuna*, Chinaza G. AA,Garima Kushwaha, Mithun Rudrapal, Kingsley C. Patrick-Iwuanyanwu, Omkar Singh, Uchenna E. Odoh, Johra Khan,Jaison Jeevanandam, Suresh Kumarasamy, MathiyazhaganNarayanan, VVChukwube, Santwana Palai, Mihnea-Alexandru Găman, Chukwuemelie Z. Uche, Daprim S. Ogaji,Nebechi J. Ezeofor, Andrew G. Mtewa, Chinyere C. Patrick-Iwuanyanwu, Shyam S. Kesh, Chandan Shivamallu,**Kaliyaperumal Saravanan**, Habibu TT, Muhammad Akram,Jonathan C. Ifemeje, Michael C. Olisah, Chukwudi J. Chikwendu. 2021.

Bioactive Compounds Effective Against Type 2 Diabetrs mellitus A systematic Review. ***Current Topics in Medicinal Chemistry***

https://doi.org/10.2174/1568026621666210509161059

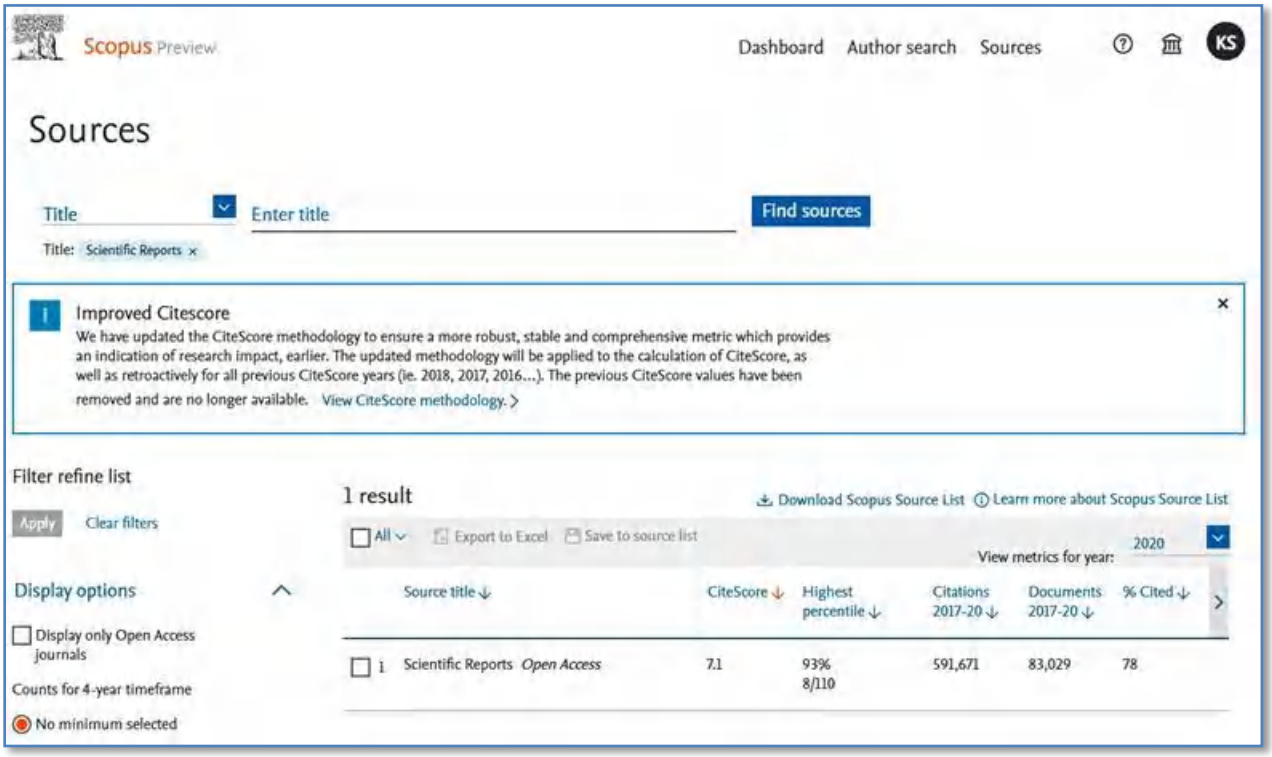


P.Ramesh, **K.Saravanan, P.Manogar, J.Johnson, E.Vinoth, M.Mayakannan. 2021.**
Green synthesis and characterization of biocompatible zinc oxide nanoparticles and evaluation of its antibacterial potential. ***Sensing and Bio-Sensing Research*****. 31:**
https://doi.org/10.1016/j.sbsr.2021.100399
https://www.sciencedirect.com/science/article/pii/S2214180421000040?via%3Dihub



Harikrishnan R., **Devi G.**, Balasundaram C., Van Doan H., Jaturasitha S., RingÃ¸ E., Faggio C. 2021.

Effect of chrysophanic acid on immune response and immune genes transcriptomic profile in Catla catla against *Aeromonas hydrophila*. ***Scientific Reports.*** **DOI: https://doi.org/10.1038/s41598-020-79629-9**



scientific reports

OPEN

Effect of chrysophanic acid on immune response and immune genes transcriptomic profile in *Catla catla* against *Aeromonas hydrophila*

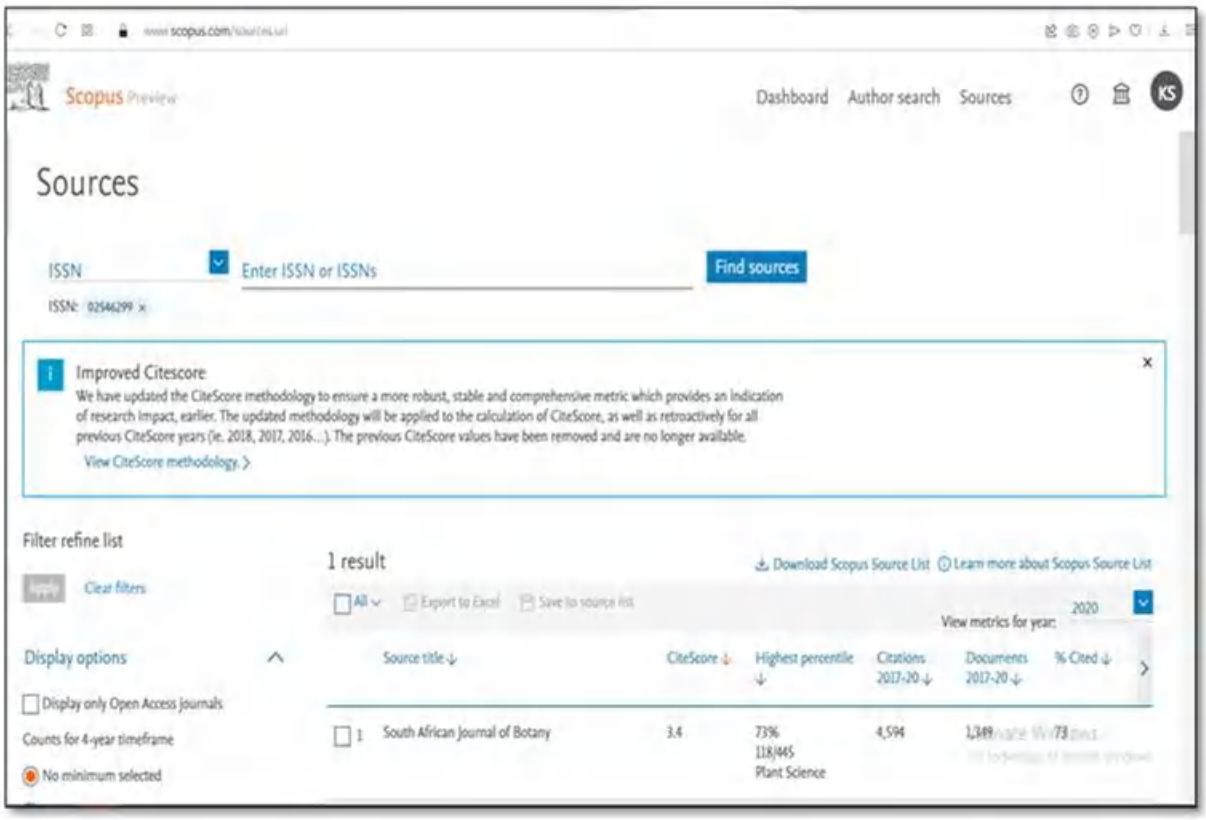
Ramasamy Harikrishnan[1], Gunapathy Devi[2], Chellam Balasundaram[3], Hien Van Doan[4,5]✉, Sanchai Jaturasitha[4,5], Einar Ringø[6] & Caterina Faggio[7]

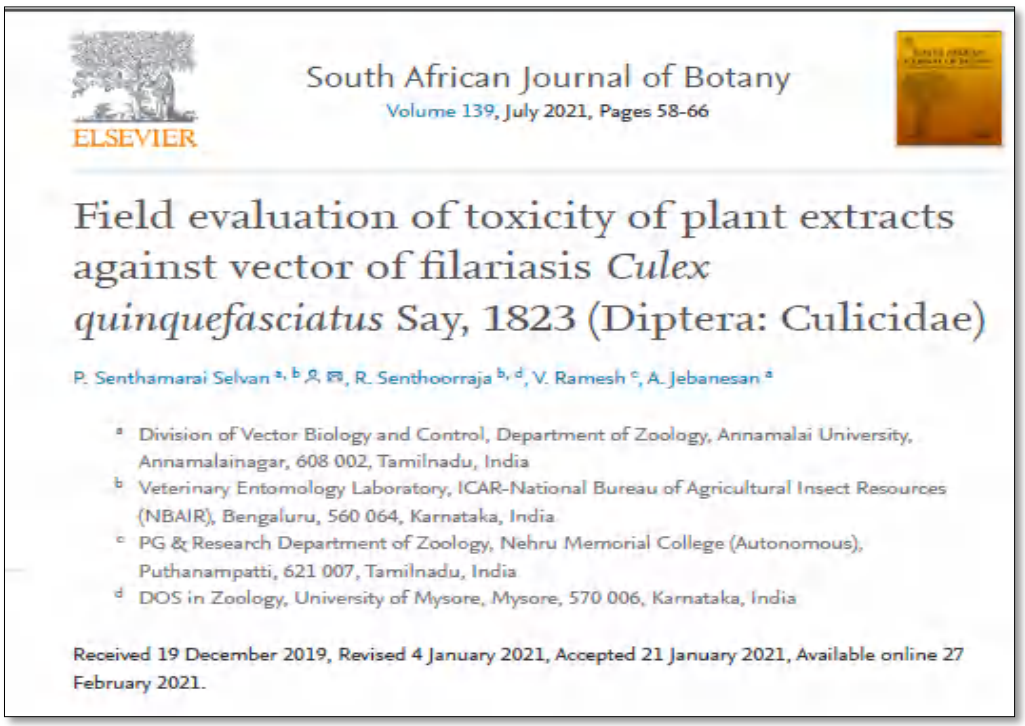
The effect of chrysophanic acid (CA) (2, 4, and 8 mg kg^{-1}) on the immunity and immune-related gene profile of *Catla catla* against *Aeromonas hydrophila* is reported. In both control and treated groups fed with 2 mg kg^{-1} (2 CA), the phagocytosis, hemolytic, myeloperoxidase content, and superoxide anion production decreased significantly between 6th and 8th weeks, whereas when fed with 4 mg kg^{-1} CA (4 CA) the H_2O_2 production and nitric oxide synthase increased significantly between 4th and 8th week. When fed with 2 CA and 4 CA diets, the total protein, bactericidal, and antibody titer increased significantly from the 4th week onwards. When fed with 2 CA, the IL-1β and IL-10 mRNA expression of head kidney leucocytes were significant between weeks 6 and 8. The expressions of toll-like receptors significantly increased when fed with a 4 CA diet from 4th week onwards. The 4 CA group significantly increased in TNF-α, TNF receptor-associated factor 6 (NOD), which influences protein expression, after the 4th week. The mRNA transcription of MHCI, lysozyme-chicken and goose type expressions significantly increased in 4 CA group within the 4th week. In summary, the dietary administration of 4 mg kg^{-1} of CA (4 CA) provides better immunity and enhances the up-regulation of immune-related genes in *Catla* against *A. hydrophila*.

Today's growing world population has led to increasing demand for aquaculture as a luxury and cheap protein source[1]. Correspondingly, the current aquaculture practice has shifted from extensive to semi- or intensive systems. In the year 2016, the global aquatic food production has exceeded 171 million tons[2]. Fish production in the first two quarters of 2017 and 2018 increased to 5.80 million tons[3]. Among the Indian major carps (IMCs) *Catla catla* is the most commonly farmed freshwater fish due to its size, good flavor, high protein content, omega-3 fatty acids, yet with fewer triglycerides, which promote brain function[4]; besides species like *C. catla* are also a cheap source of aqua-protein (about 2 US dollars/kg in countries like India). However, an intensive aquaculture system triggers a highly stressful environment that adversely affects the immune system, making the cultivated fish more vulnerable to infectious agents[5]. Besides, any culture system with maximum rearing density triggers frequent outbreaks of several infectious diseases, increasing the host susceptibility, virulence of the pathogen, and health-related problems[6–8]. Like other IMCs, *Catla* suffers from several infections, including aeromoniasis, edwardsiellosis, and epizootic ulcerative syndrome (EUS)[9]. Among these, *Aeromonas hydrophila* is a leading bacterial pathogen known to cause symptoms like haemorrhagic septicaemia, infectious dropsy, ulcerative lesion, and fin rot resulting in mass mortality[10,11] affecting the quality and quantity of the size of harvest significantly. To manage these diseases, fish farmers conventionally use broad-spectrum antibiotics and chemotherapeutics,

[1]Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, Tamil Nadu 631 501, India. [2]Department of Zoology, Nehru Memorial College, Puthanampatti, Tamil Nadu 621 007, India. [3]Department of Herbal and Environmental Science, Tamil University, Thanjavur, Tamil Nadu 613 005, India. [4]Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai 50200, Thailand. [5]Science and Technology Research Institute, Chiang Mai University, 239 Huay Keaw Rd., Suthep, Muang, Chiang Mai 50200, Thailand. [6]Norwegian College of Fishery Science, Faculty of Bioscience, Fisheries and Economics, UiT The Arctic University of Norway, Tromsø, Norway. [7]Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Piazza Pugliatti, Italy. ✉email: hien.d@cmu.ac.th

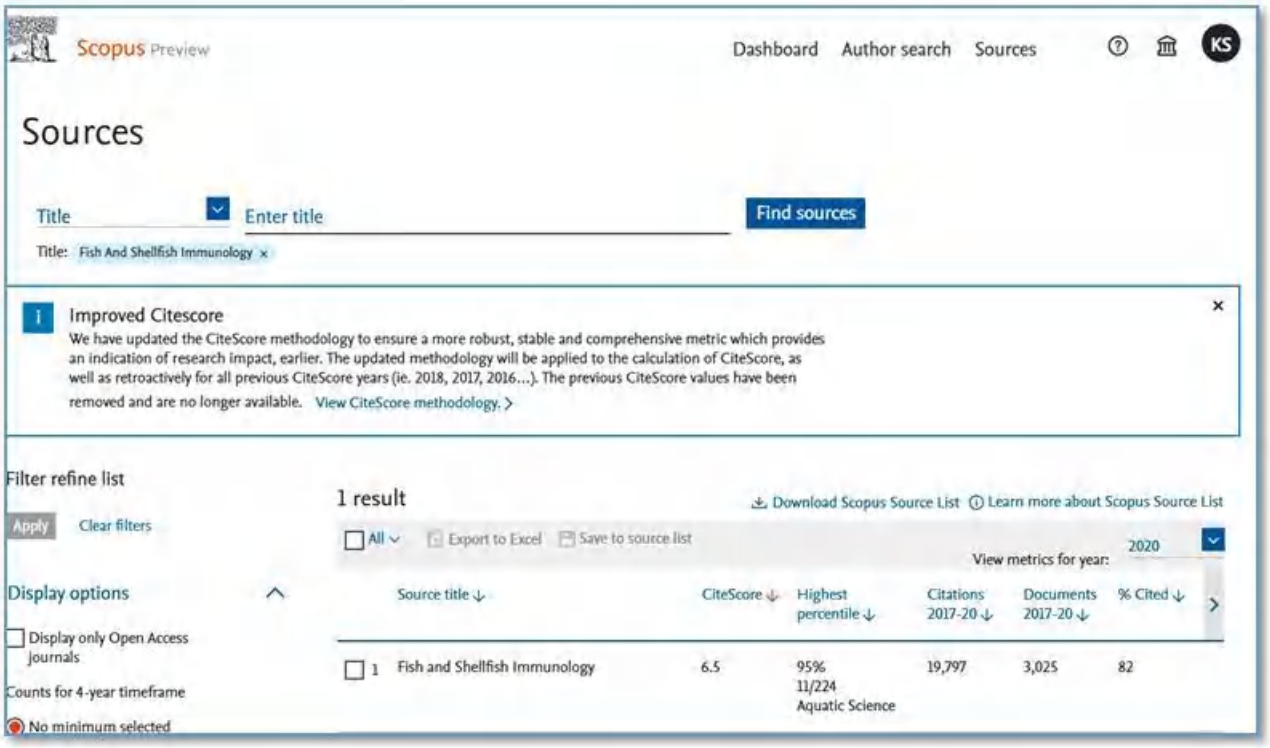
Selvan P.S., Senthoorraja R., **Ramesh V**., Jebanesan A. 2021.
Field evaluation of toxicity of plant extracts against vector of filariasis Culex quinquefasciatus Say, 1823 (Diptera: Culicidae). *South African Journal of Botany*, 139: 59-66. https://doi.org/10.1016/j.sajb.2021.01.027





Harikrishnan R., **Devi G.,** Van Doan H., Balasundaram C., Thamizharasan S., Hoseinifar S.H., Abdel-Tawwab M. 2021.

Effect of diet enriched with *Agaricus bisporus* polysaccharides (ABPs) on antioxidant property, innate-adaptive immune response and pro-anti inflammatory genes expression in *Ctenopharyngodon idella* against *Aeromonas hydrophila*. ***Fish and Shellfish Immunology*** .114: 238-252.
https://doi.org/10.1016/j.fsi.2021.04.025



Fish & Shellfish Immunology
Volume 114, July 2021, Pages 238-252

Full length article

Effect of diet enriched with *Agaricus bisporus* polysaccharides (ABPs) on antioxidant property, innate-adaptive immune response and pro-anti inflammatory genes expression in *Ctenopharyngodon idella* against *Aeromonas hydrophila*

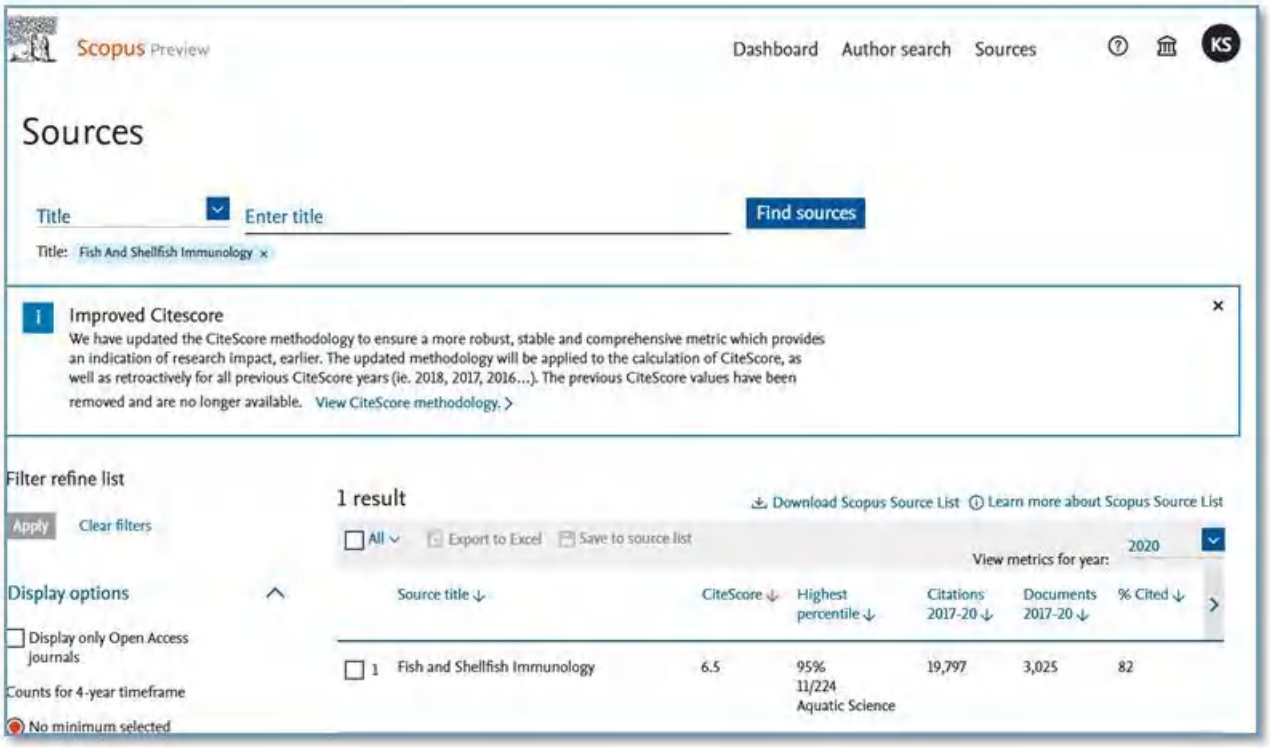
Ramasamy Harikrishnan [a], Gunapathy Devi [b], Hien Van Doan [c, d] ✉, Chellam Balasundaram [e], Subramanian Thamizharasan [f], Seyed Hossein Hoseinifar [g], Mohsen Abdel-Tawwab [h]

[a] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram 631 501, Tamil Nadu, India
[b] Department of Zoology, Nehru Memorial College, Puthanampatti 621 007, Tamil Nadu, India
[c] Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai 50200, Thailand
[d] Science and Technology Research Institute, Chiang Mai University, 239 Huay Keaw Rd., Suthep, Muang, Chiang Mai 50200, Thailand
[e] Department of Herbal and Environmental Science, Tamil University, Thanjavur, 613 005, Tamil Nadu, India
[f] Department of Biotechnology, Bharath College of Science and Management, Thanjavur, 613-005, Tamil Nadu, India
[g] Department of Fisheries, Faculty of Fisheries and Environmental Sciences, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran
[h] Department of Fish Biology and Ecology, Central Laboratory for Aquaculture Research, Abbassa, Abo-Hammad, Sharqia, Egypt

Received 8 March 2021, Revised 26 April 2021, Accepted 27 April 2021, Available online 11 May 2021.

Harikrishnan R., **Devi G.,** Van Doan H., Balasundaram C., Esteban M.Ã, Abdel - Tawwab M. 2021

. Impact of grape pomace flour (GPF) on immunity and immune-antioxidant-anti-inflammatory genes expression in *Labeo rohita* against *Flavobacterium columnaris*. ***Fish and Shellfish Immunology:*** *111: 69-82*
https://doi.org/10.1016/j.fsi.2021.01.011



Fish & Shellfish Immunology
Volume 111, April 2021, Pages 69-82

Full length article

Impact of grape pomace flour (GPF) on immunity and immune-antioxidant-anti-inflammatory genes expression in *Labeo rohita* against *Flavobacterium columnaris*

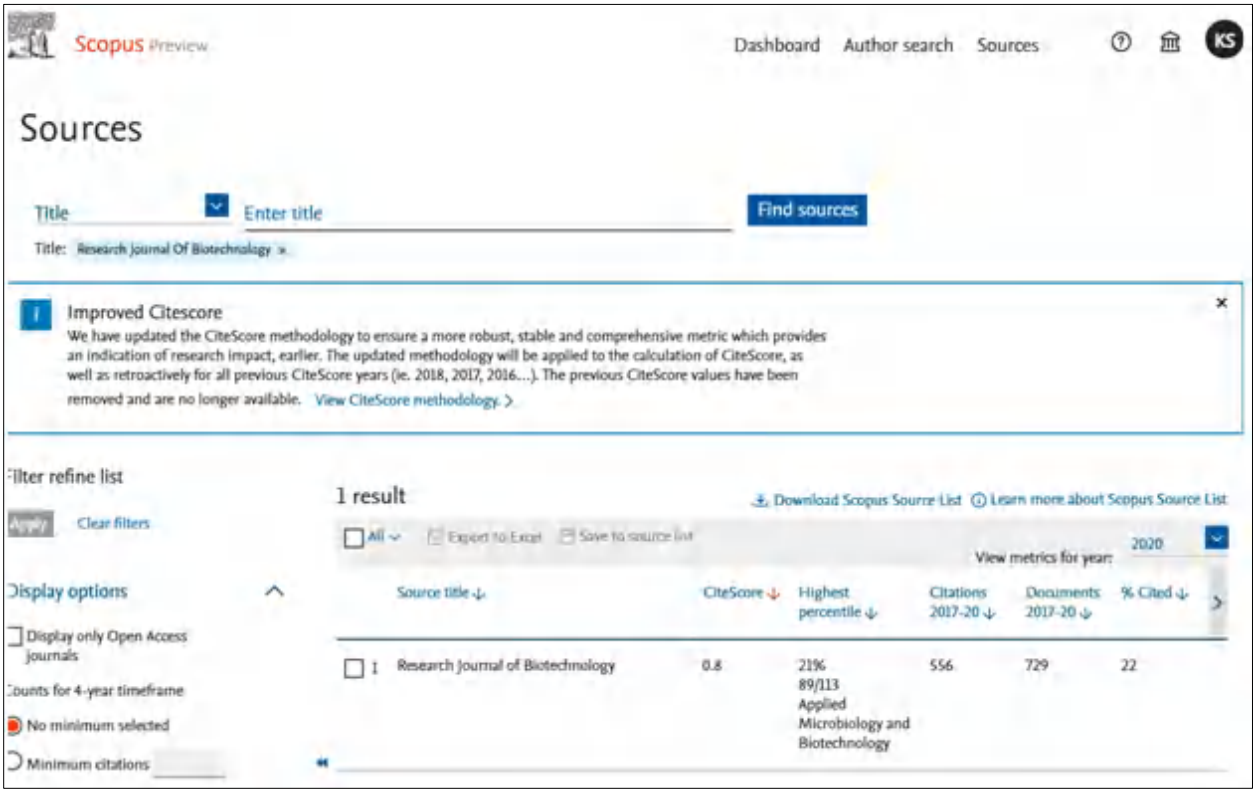
Ramasamy Harikrishnan [a], Gunapathy Devi [b], Hien Van Doan [c,d], Chellam Balasundaram [e], María Ángeles Esteban [f], Mohsen Abdel-Tawwab [g]

[a] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, 631 501, Tamil Nadu, India
[b] Department of Zoology, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India
[c] Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai, 50200, Thailand
[d] Science and Technology Research Institute, Chiang Mai University, 239 Huay Keaw Rd., Suthep, Muang, Chiang Mai, 50200, Thailand
[e] Department of Herbal and Environmental Science, Tamil University, Thanjavur, 613 005, Tamil Nadu, India
[f] Fish Innate Immune System Group, Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, Regional Campus of International Excellence "Campus Mare Nostrum", 30100, Murcia, Spain
[g] Department of Fish Biology and Ecology, Central Laboratory for Aquaculture Research, Abbassa, Abo-Hammad, Sharqia, Egypt

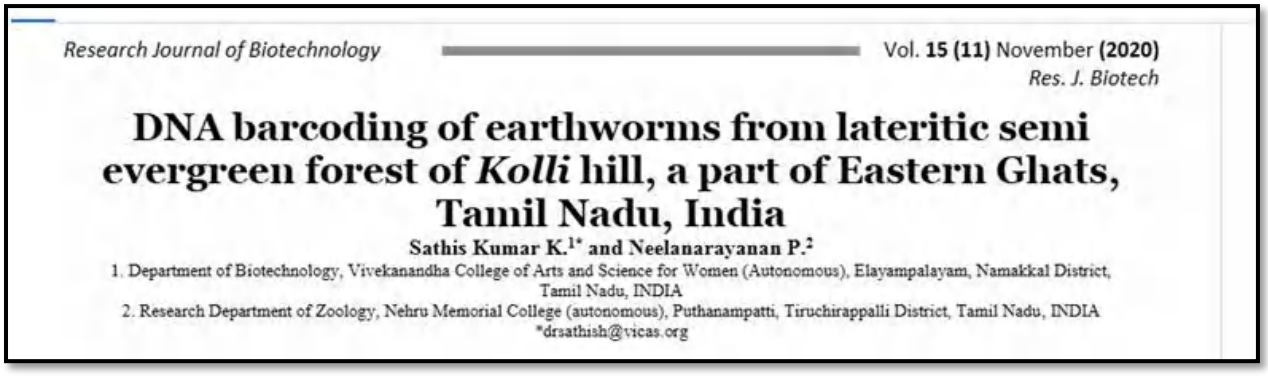
Received 12 April 2020, Revised 7 November 2020, Accepted 21 January 2021, Available online 27 January 2021.

Sathis Kumar K. and **Neelanarayanan P.** 2020**.**

DNA barcoding of earthworms from lateritic semi evergreen forest of Kolli hill, a part of Eastern Ghats, Tamil Nadu, India. ***R. J. Biotech.*** *15:16-21.*

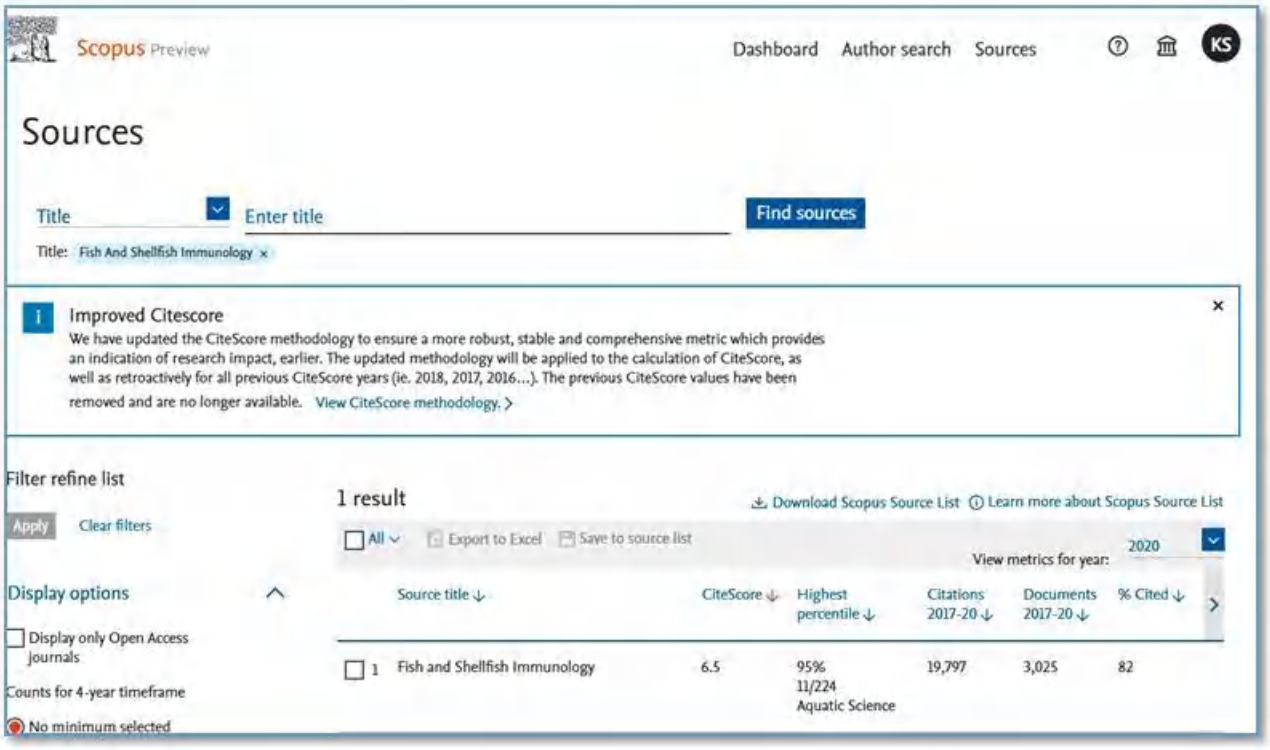


Scopus



Harikrishnan R., Thamizharasan S., **Devi G.,** Van Doan H., Ajith Kumar T.T., Hoseinifar S.H., Balasundaram C. 2020.

Dried lemon peel enriched diet improves antioxidant activity, immune response and modulates immuno-antioxidant genes in Labeo rohita against Aeromonas sorbia. ***Fish and Shellfish Immunology.*** *106.675-684*
https://doi.org/10.1016/j.fsi.2020.07.040



Fish & Shellfish Immunology
Volume 106, November 2020, Pages 675-684

Full length article

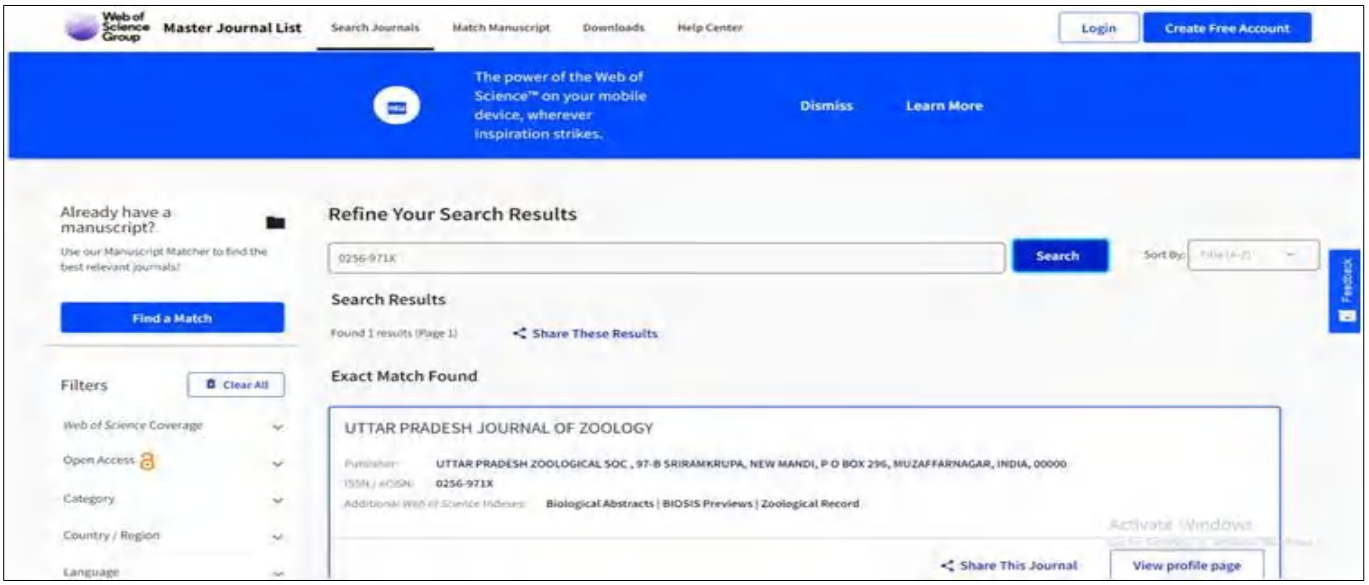
Dried lemon peel enriched diet improves antioxidant activity, immune response and modulates immuno-antioxidant genes in *Labeo rohita* against *Aeromonas sorbia*

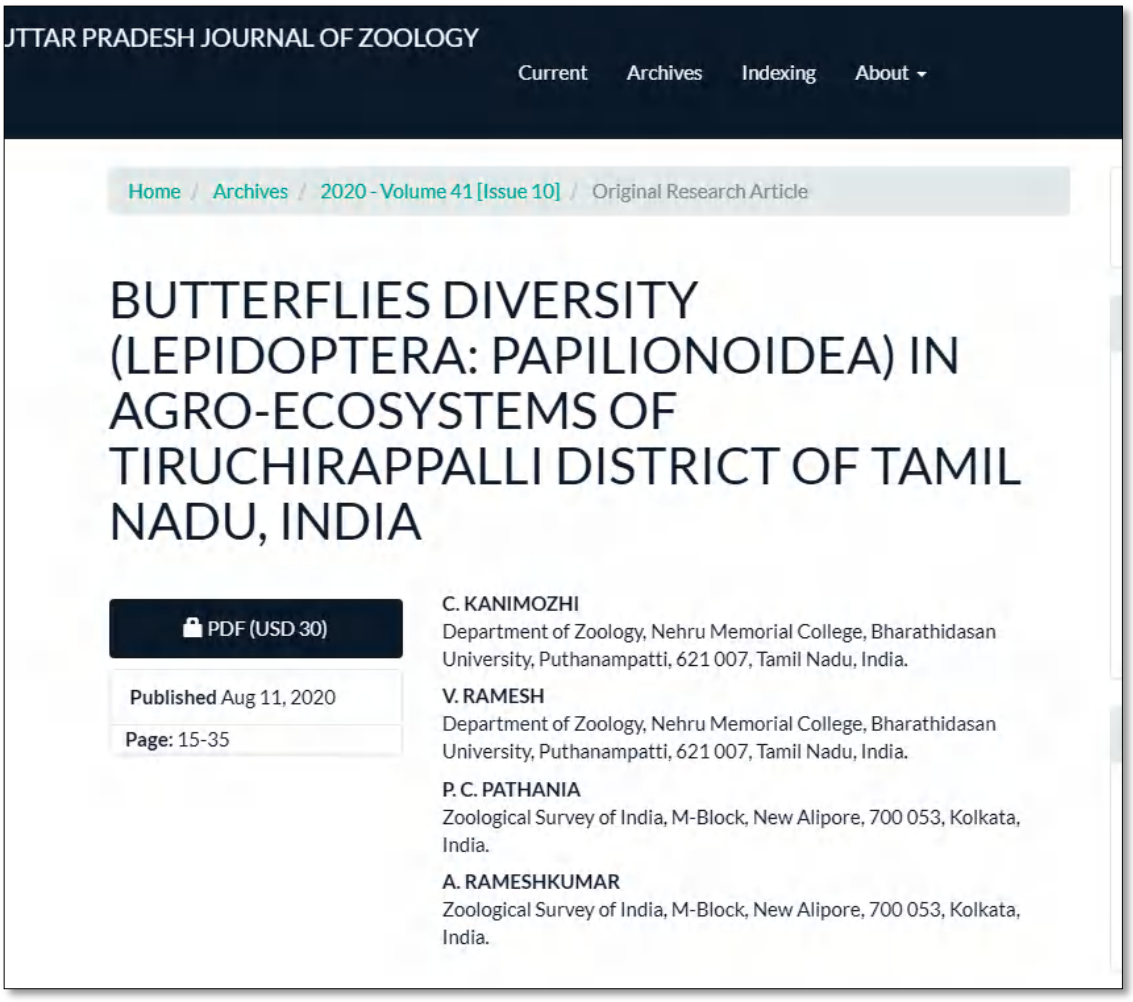
Ramasamy Harikrishnan [a], Subramanian Thamizharasan [b], Gunapathy Devi [c], Hien Van Doan [d, e] ✉, Thipramalai Thankappan Ajith Kumar [f], Seyed Hossein Hoseinifar [g], Chellam Balasundaram [h]

[a] Department of Zoology, Pachaiyappa's College for Men, Kanchipuram, 631 501, Tamil Nadu, India
[b] Department of Biotechnology, Bharath College of Science and Management, Thanjavur, 613-005, Tamil Nadu, India
[c] Department of Zoology, Nehru Memorial College, Puthanampatti, 621 007, Tamil Nadu, India
[d] Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai, 50200, Thailand
[e] Innovative Agriculture Research Center, Faculty of Agriculture, Chiang Mai University, Chiang Mai, 50200, Thailand
[f] PMFGR Centre, ICAR-National Bureau of Fish Genetic Resources, CMFRI Campus, Ernakulam, Kochi, 682 018, India
[g] Department of Fisheries, Faculty of Fisheries and Environmental Sciences, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran
[h] Department of Herbal and Environmental Science, Tamil University, Thanjavur, 613 005, Tamil Nadu, India

Received 4 May 2020, Revised 13 July 2020, Accepted 17 July 2020, Available online 25 August 2020.

C. Kanimozhi., V. Ramesh., P. C. Pathania and A. Rameshkumar. 2020.
ISSN: 0256-971X (P)
Butterflies diversity (lepidoptera: papilionoidea) in agro-ecosystems of Tiruchirappalli District of Tamil Nadu, India. 41: 15-35.
https://mbimph.com/index.php/UPJOZ/article/view/1606

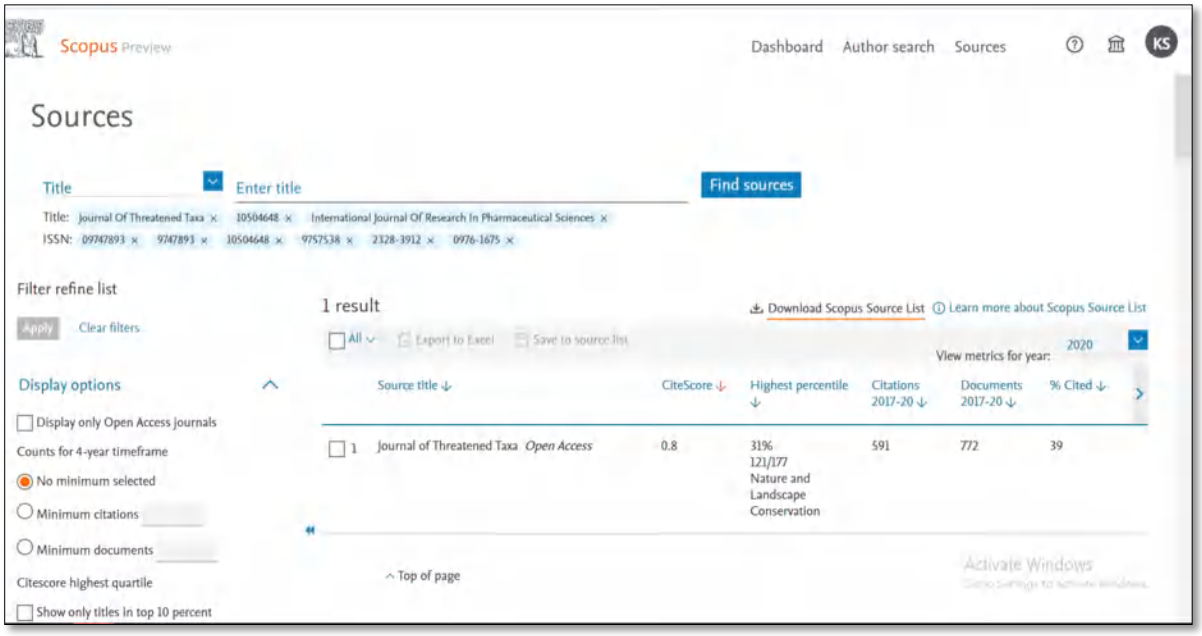




Siva T. and **Neelanarayanan P**. 2020.

Impact of vehicular traffic on birds in Tiruchirappalli District, Tamil Nadu, India. ***Journal of Threatened Taxa.*** *12: 16352-16356*.
DOI: https://doi.org/10.11609/jott.5532.12.10.16352-16356.

.



JOURNAL OF THREATENED TAXA
OPEN ACCESS
Building evidence for conservation globally

Impact of vehicular traffic on birds in Tiruchirappalli District, Tamil Nadu, India

T. Siva
Research Department of Zoology, Nehru Memorial College (Autonomous & Affiliated to Bharathidasan University), Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India.
https://orcid.org/0000-0002-7178-8590

P. Neelanarayanan
Research Department of Zoology, Nehru Memorial College (Autonomous & Affiliated to Bharathidasan University), Puthanampatti, Tiruchirappalli District, Tamil Nadu 621007, India.
https://orcid.org/0000-0002-5888-3120

PDF/A

HTML

Published: Jul 26, 2020

DOI:
https://doi.org/10.11609/jott.5532.12.10.16352-16356

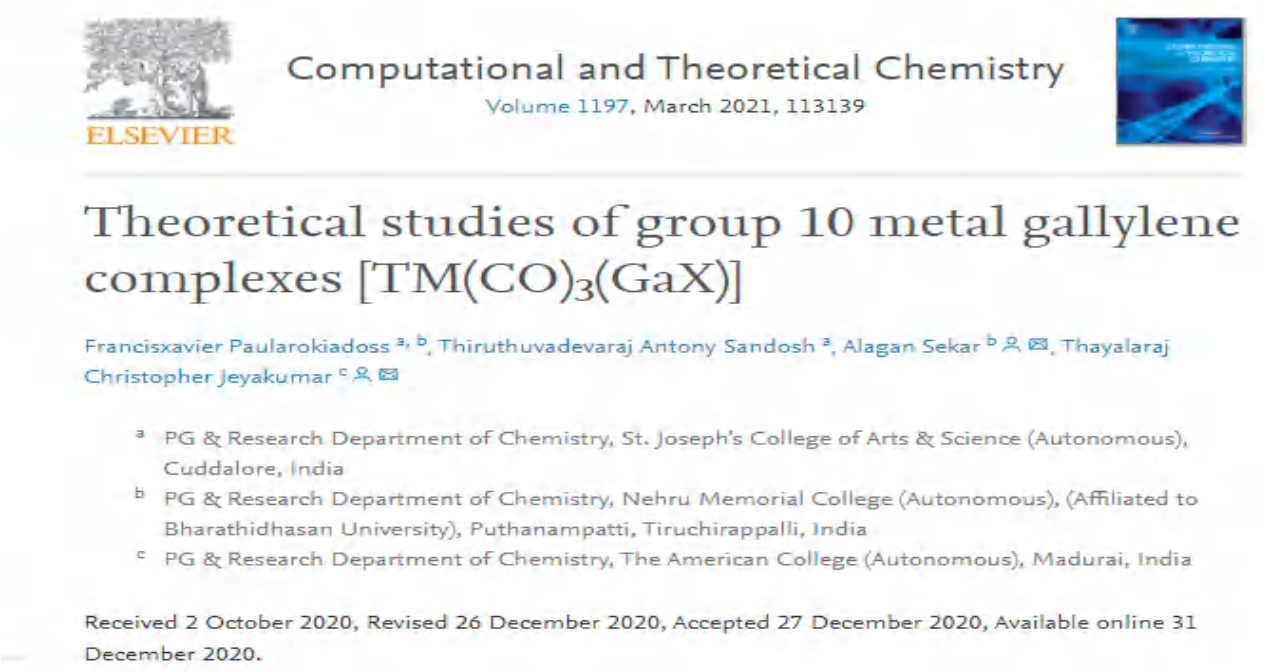
Keywords:
Bird mortality Common Myna ecological factors roadkill vehicle collision

Abstract

Roads have numerous direct and indirect ecological impacts on wildlife. Roads constitute an extensive and integral part of our environment. Collisions with vehicles kill a large number of birds every year. The present study was carried out from January 2016 to December 2016. The data was collected from Nehru Memorial College to Pavithram Lake of Thuraiyur to Namakkal road of Musiri Taluk, Tiruchchirappalli District. During this study, we recorded a total of 64 birds belonging to 12 species killed due to vehicular traffic. A maximum of 11 birds were killed in the months of January and October, and a minimum of two bird kills were observed in the months of September and December. Of the 64 birds, the roadside mortality was observed to the tune of 25%, 20.3%, 14%, 12.5%, 10.9%, 4.6%, and 4.6% for Southern Coucal *Centropus parroti*, Common Myna *Acridotheres tristis*, House Crow *Corvus splendens*, Spotted Owlet *Athene brama*, Indian Jungle Crow *Corvus culminatus*, Yellow-billed Babbler *Turdoides affinis*, and Large Grey Babbler *Turdoides malcolmi*. Other birds such as Asian Koel *Eudynamys scolopaceus*, Indian Roller *Coracias benghalensis*, Shikra *Accipiter badius*, White-breasted Waterhen *Amaurornis phoenicurus*, and White-browed Bulbul *Pycnonotus luteolus* accounted for 1.5% mortality. Suggestive measures to prevent wildlife loss due to vehicular traffic are presented in this communication.

Theoretical studies of group 10 metal gallylene complexes [TM(CO)3(GaX)]

doi.org/10.1016/j.comptc.2020.113139



ELSEVIER

Computational and Theoretical Chemistry

Volume 1197, March 2021, 113139

Theoretical studies of group 10 metal gallylene complexes [TM(CO)$_3$(GaX)]

Franciscavier Paularokiadoss [a, b], Thiruthuvadevaraj Antony Sandosh [a], Alagan Sekar [b] ✉, Thayalaraj Christopher Jeyakumar [c] ✉

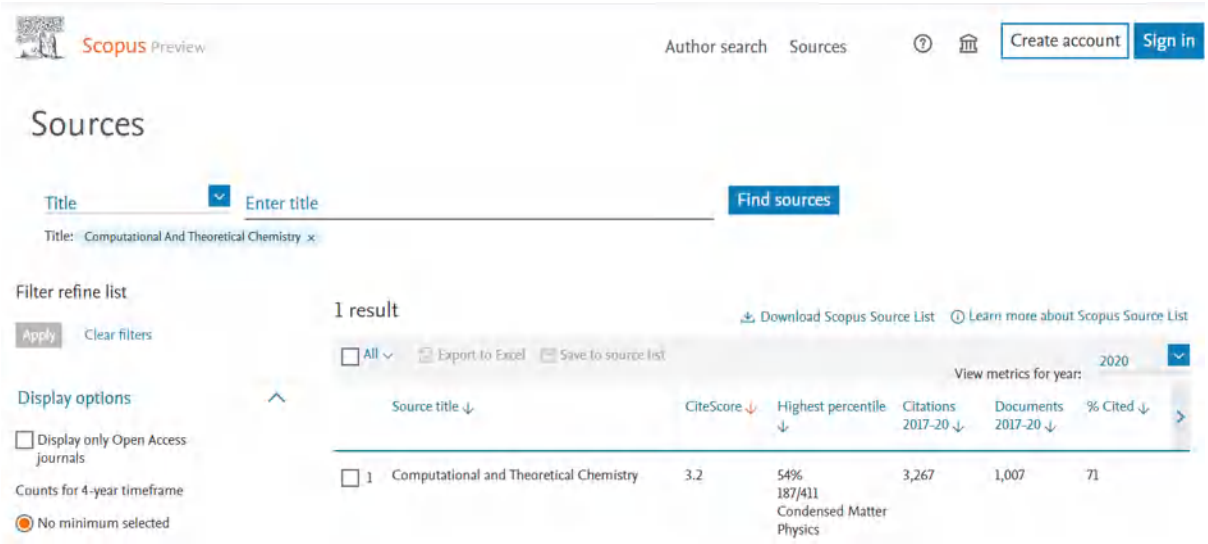
[a] PG & Research Department of Chemistry, St. Joseph's College of Arts & Science (Autonomous), Cuddalore, India

[b] PG & Research Department of Chemistry, Nehru Memorial College (Autonomous), (Affiliated to Bharathidhasan University), Puthanampatti, Tiruchirappalli, India

[c] PG & Research Department of Chemistry, The American College (Autonomous), Madurai, India

Received 2 October 2020, Revised 26 December 2020, Accepted 27 December 2020, Available online 31 December 2020.

Scopus



Correction to: Coordination of indium monohalide with group-10 metal carbonyls [TM(CO)3(InX)]: a DFT study (Chemical Papers, (2021),

doi.org/10.1007/s11696-020-01319-7

Springer Link

Correction | Published: 25 August 2020

Correction to: Coordination of indium monohalide with group-10 metal carbonyls [TM(CO)$_3$(InX)]: a DFT study

Paularokiadoss Francis, Sekar Alagan ✉ & Christopher Jeyakumar Thayalraj ✉

Chemical Papers **75**, 837 (2021) | Cite this article

226 Accesses | **1** Citations | Metrics

The Original Article was published on 07 August 2020

Correction to: Chemical Papers https://doi.org/10.1007/s11696-020-01297-w

Author information

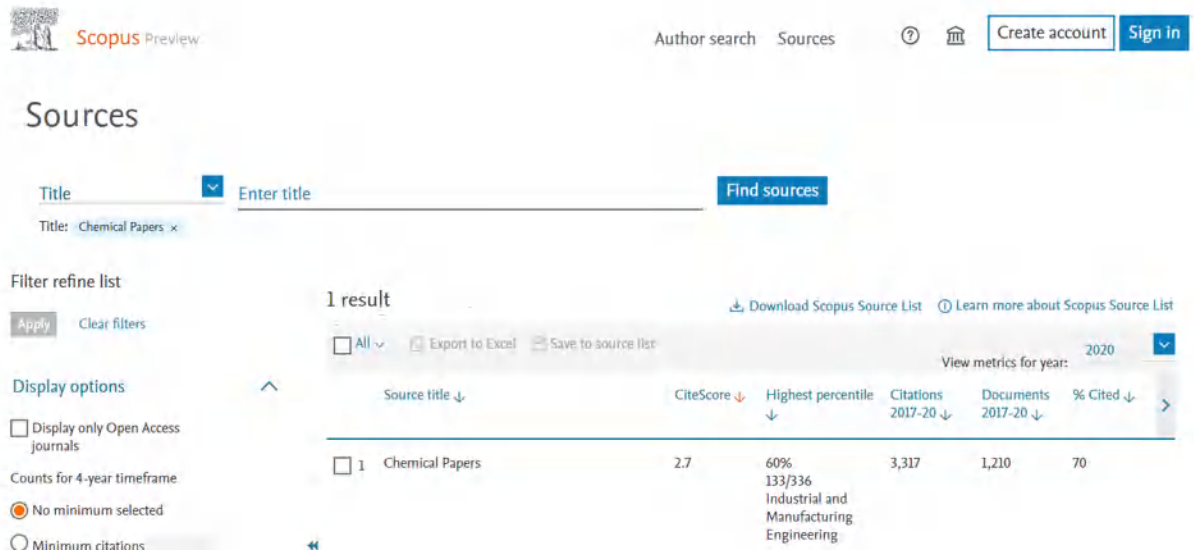
Affiliations

PG and Research Department of Chemistry, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, India
Paularokiadoss Francis & Sekar Alagan

PG and Research Department of Chemistry, St. Joseph College of Arts and Science (Autonomous), Cuddalore, India
Paularokiadoss Francis

PG and Research Department of Chemistry, The American College (Autonomous), Madurai, India
Christopher Jeyakumar Thayalraj

Scopus



Scopus Preview

Author search Sources Create account Sign in

Sources

Title Enter title Find sources

Title: Chemical Papers ×

Filter refine list

Apply Clear filters

Display options

Display only Open Access journals

Counts for 4-year timeframe

No minimum selected

Minimum citations

1 result

Download Scopus Source List Learn more about Scopus Source List

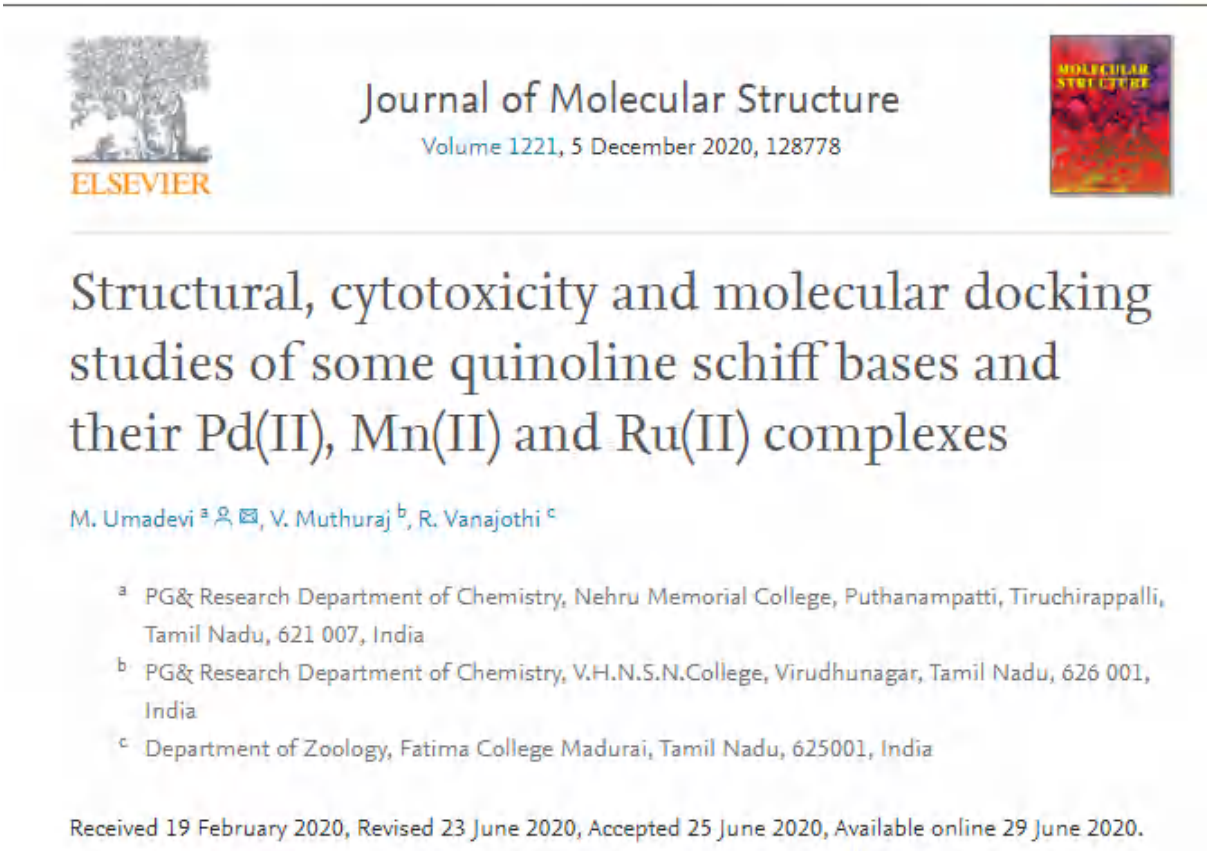
All Export to Excel Save to source list

View metrics for year: 2020

Source title	CiteScore	Highest percentile	Citations 2017-20	Documents 2017-20	% Cited
1 Chemical Papers	2.7	60% 133/336 Industrial and Manufacturing Engineering	3,317	1,210	70

Structural, cytotoxicity and molecular docking studies of some quinoline schiff bases and their Pd(II), Mn(II) and Ru(II) complexes

doi.org/10.1016/j.molstruc.2020.128778



ELSEVIER

Journal of Molecular Structure

Volume 1221, 5 December 2020, 128778

Structural, cytotoxicity and molecular docking studies of some quinoline schiff bases and their Pd(II), Mn(II) and Ru(II) complexes

M. Umadevi [a], V. Muthuraj [b], R. Vanajothi [c]

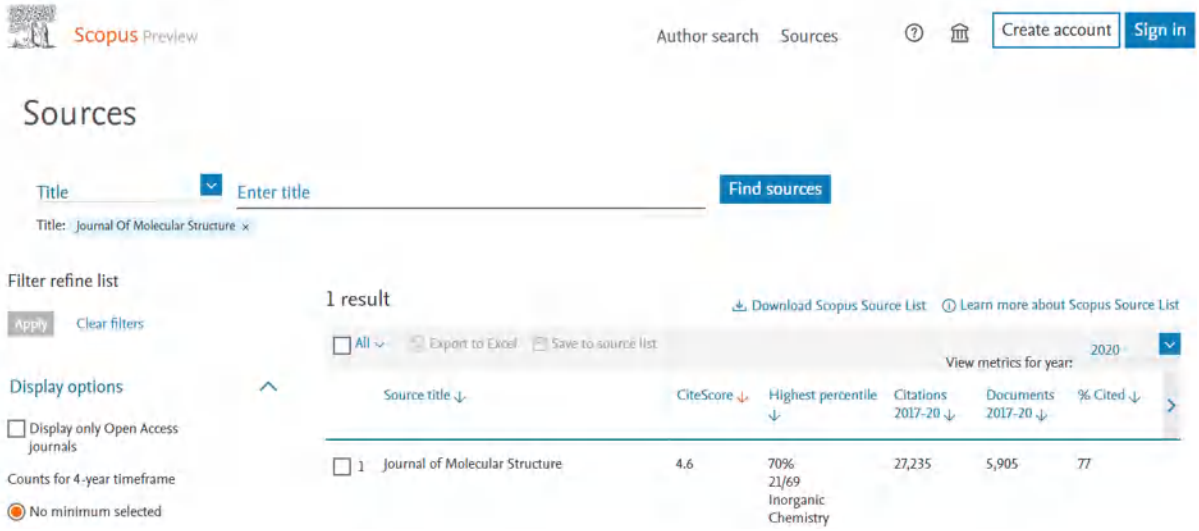
[a] PG& Research Department of Chemistry, Nehru Memorial College, Puthanampatti, Tiruchirappalli, Tamil Nadu, 621 007, India

[b] PG& Research Department of Chemistry, V.H.N.S.N.College, Virudhunagar, Tamil Nadu, 626 001, India

[c] Department of Zoology, Fatima College Madurai, Tamil Nadu, 625001, India

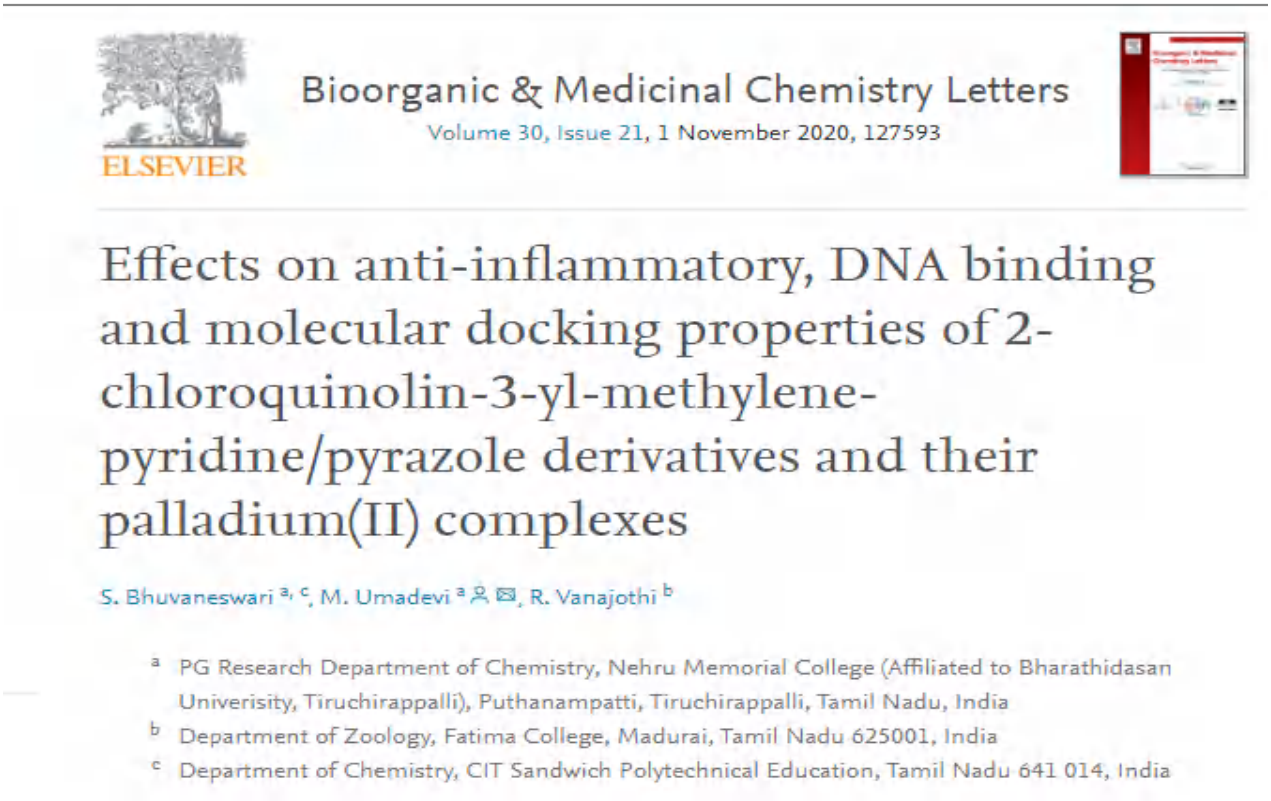
Received 19 February 2020, Revised 23 June 2020, Accepted 25 June 2020, Available online 29 June 2020.

Scopus



Effects on anti-inflammatory, DNA binding and molecular docking properties of 2-chloroquinolin-3-yl-methylene-pyridine/pyrazole derivatives and their palladium(II)

doi.org/10.1016/j.bmcl.2020.127593



ELSEVIER

Bioorganic & Medicinal Chemistry Letters

Volume 30, Issue 21, 1 November 2020, 127593

Effects on anti-inflammatory, DNA binding and molecular docking properties of 2-chloroquinolin-3-yl-methylene-pyridine/pyrazole derivatives and their palladium(II) complexes

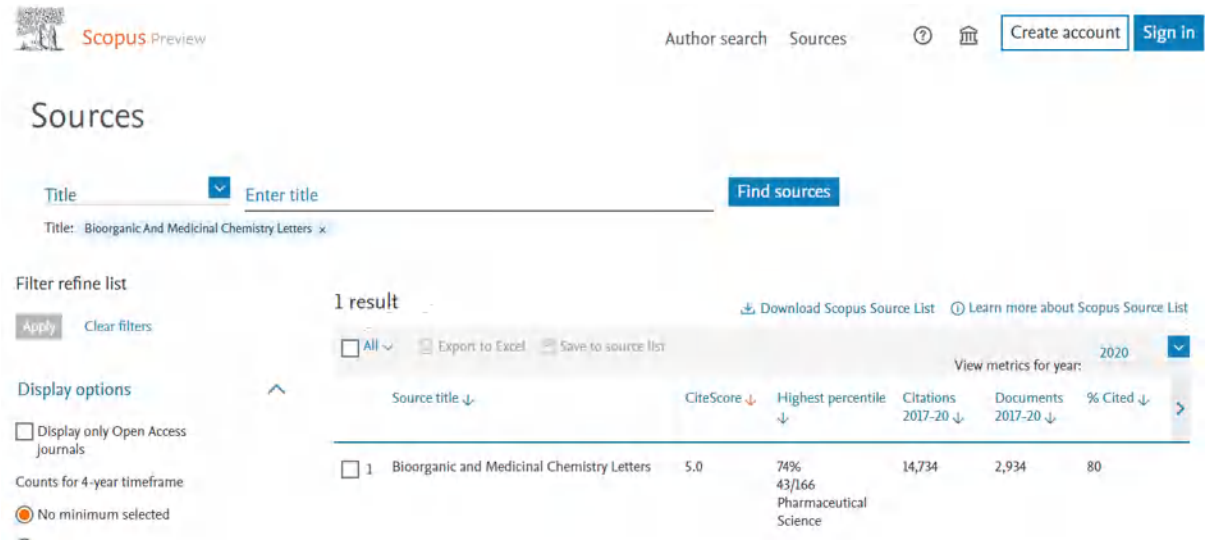
S. Bhuvaneswari [a, c], M. Umadevi [a], R. Vanajothi [b]

[a] PG Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan Univerisity, Tiruchirappalli), Puthanampatti, Tiruchirappalli, Tamil Nadu, India

[b] Department of Zoology, Fatima College, Madurai, Tamil Nadu 625001, India

[c] Department of Chemistry, CIT Sandwich Polytechnical Education, Tamil Nadu 641 014, India

Scopus



In silico molecular docking: Evaluation of coumarin based derivatives against SARS-CoV-2

DOI: 10.1016/j.jiph.2020.09.002

PubMed.gov

Advanced

Save Email

J Infect Public Health. 2020 Nov;13(11):1671-1677. doi: 10.1016/j.jiph.2020.09.002. Epub 2020 Sep 21.

In silico molecular docking: Evaluation of coumarin based derivatives against SARS-CoV-2

Sathish Kumar Chidambaram [1], Daoud Ali [2], Saud Alarifi [2], Surendrakumar Radhakrishnan [1], Idhayadhulla Akbar [3]

Affiliations – collapse

Affiliations

1 Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan University), Puthanampatti, 621007, Tiruchirappalli District, Tamil Nadu, India.
2 Department of Zoology, College of Sciences, King Saud University (KSU), P.O. Box 2455, Riyadh, 11451, Saudi Arabia.
3 Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan University), Puthanampatti, 621007, Tiruchirappalli District, Tamil Nadu, India. Electronic address: idhayadhulla@nmc.ac.in.

Scopus

Scopus Preview Author search Sources Create account Sign in

Sources

Title Enter title Find sources

Title: Journal Of Infection And Public Health ×

Filter refine list

Apply Clear filters

Display options

Display only Open Access journals

Counts for 4-year timeframe

No minimum selected

Minimum citations

1 result

Download Scopus Source List Learn more about Scopus Source List

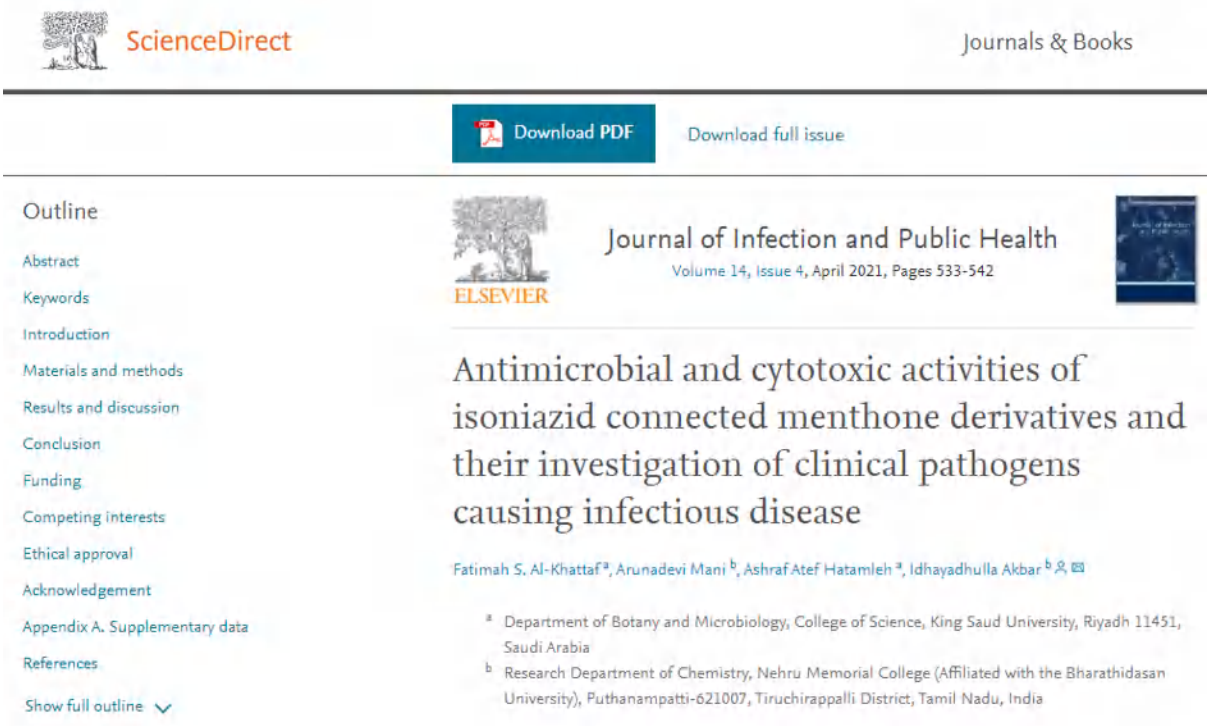
All Export to Excel Save to source list

View metrics for year: 2020

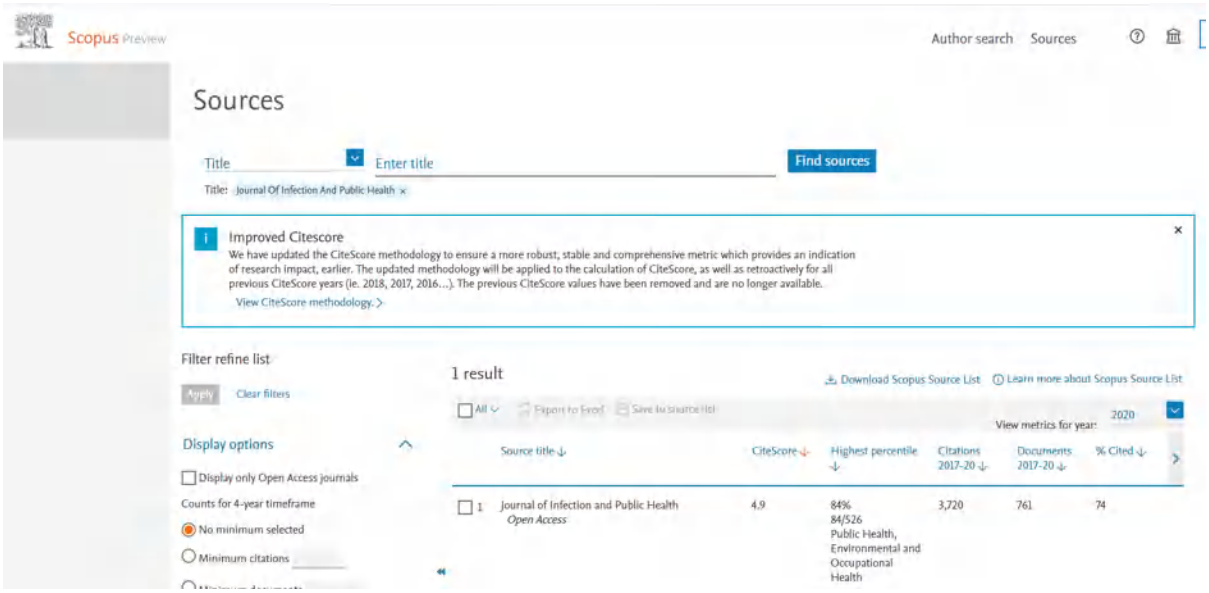
Source title	CiteScore	Highest percentile	Citations 2017-20	Documents 2017-20	% Cited
Journal of Infection and Public Health *Open Access*	4.9	84% 84/526 Public Health, Environmental and Occupational Health	3,720	761	74

Antimicrobial and cytotoxic activities of isoniazid connected menthone derivatives and their investigation of clinical pathogens causing infectious disease

DOI number: https://doi.org/10.1016/j.jiph.2020.12.033

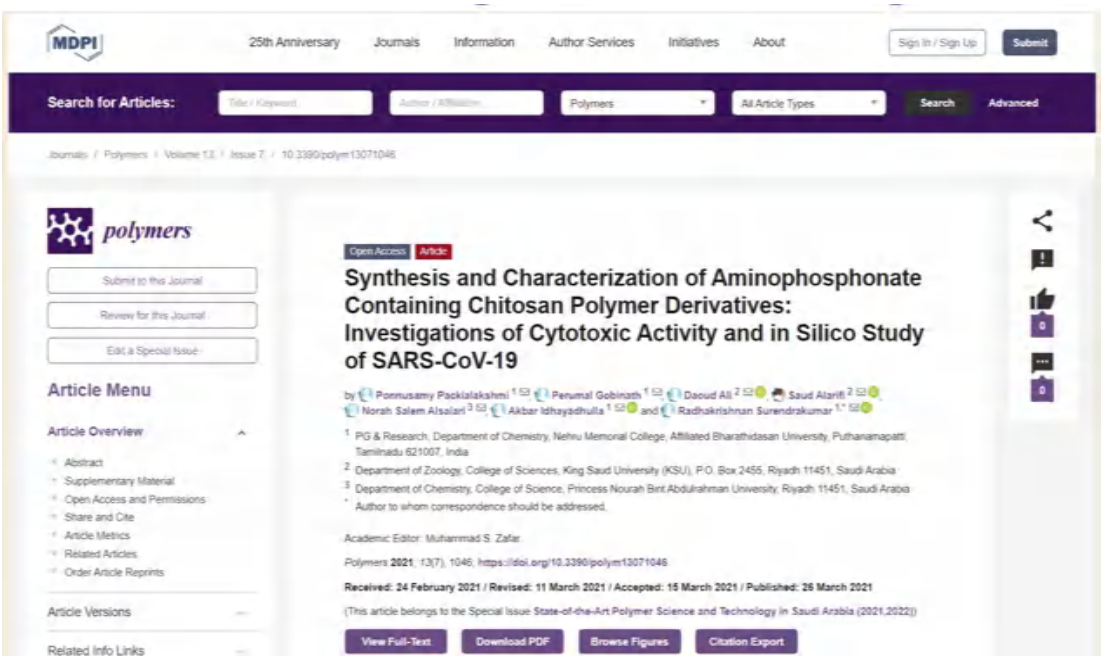


Scopus



Synthesis and Characterization of A minophosphonate Containing Chitosan Polymer Derivatives: Investigations of Cytotoxic Activity and in Silico Study of SARS-CoV-19

doi.org/10.3390/polym13071046



Scopus

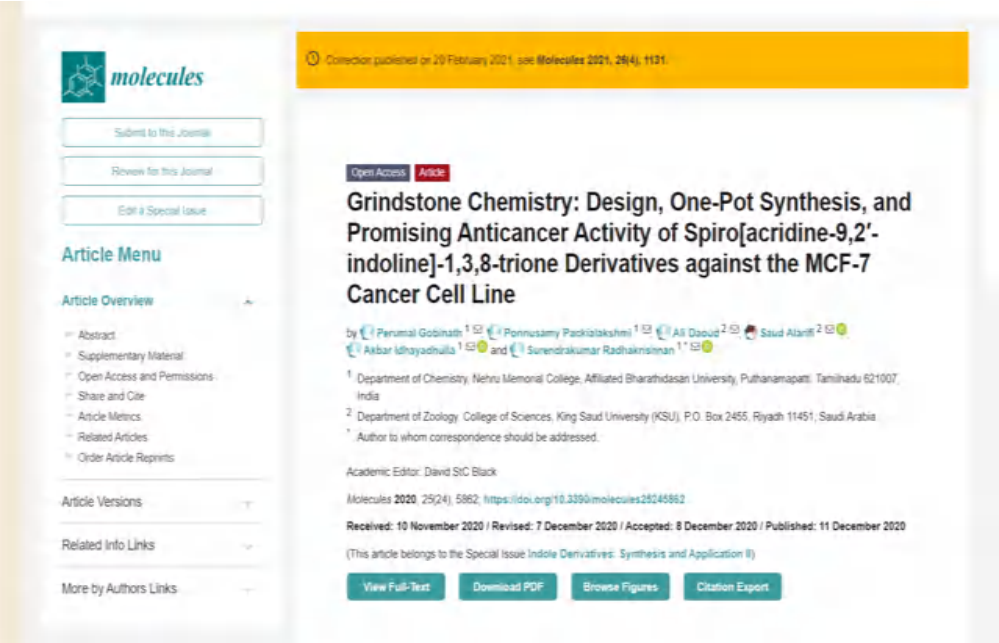
Green catalyst Cu(II)-enzyme-mediated eco-friendly synthesis of 2-pyrimidinamines as potential larvicides against Culexquinquefasciatus mosquito and toxicity investigation against non-target aquatic species

DOI: 10.1016/j.bioorg.2021.104697

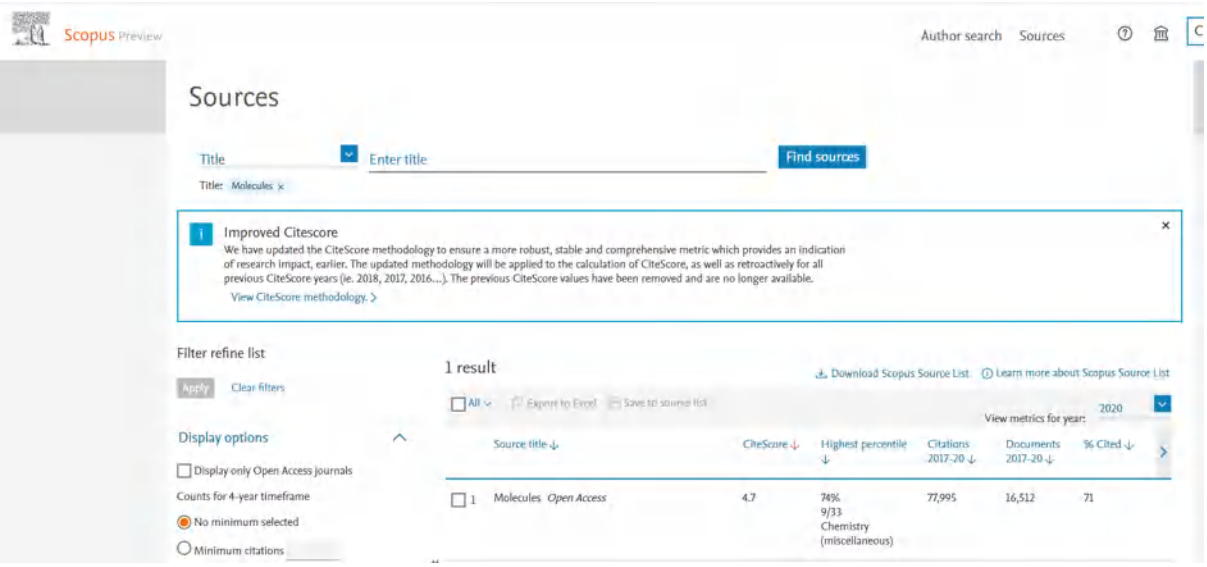
Scopus

Grindstone Chemistry: Design, One-Pot Synthesis, and Promising Anticancer Activity of Spiro[acridine-9,2'-indoline]-1,3,8-trione Derivatives against the MCF-7 Cancer Cell Line

doi.org/10.3390/molecules25245862



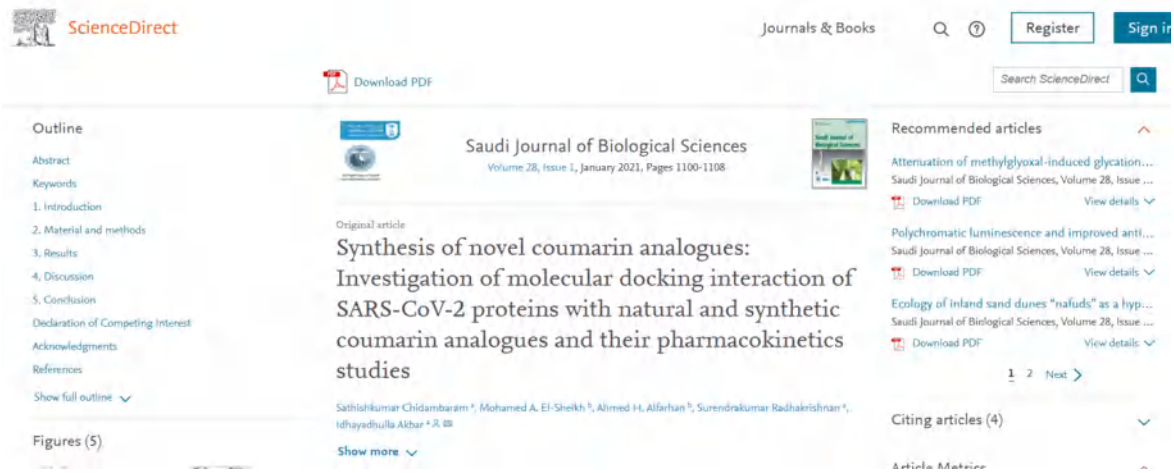
Scopus



Synthesis of novel coumarin analogues: Investigation of molecular docking interaction of SARS-CoV-2 proteins with natural and synthetic coumarin analogues and their pharmacokinetics studies

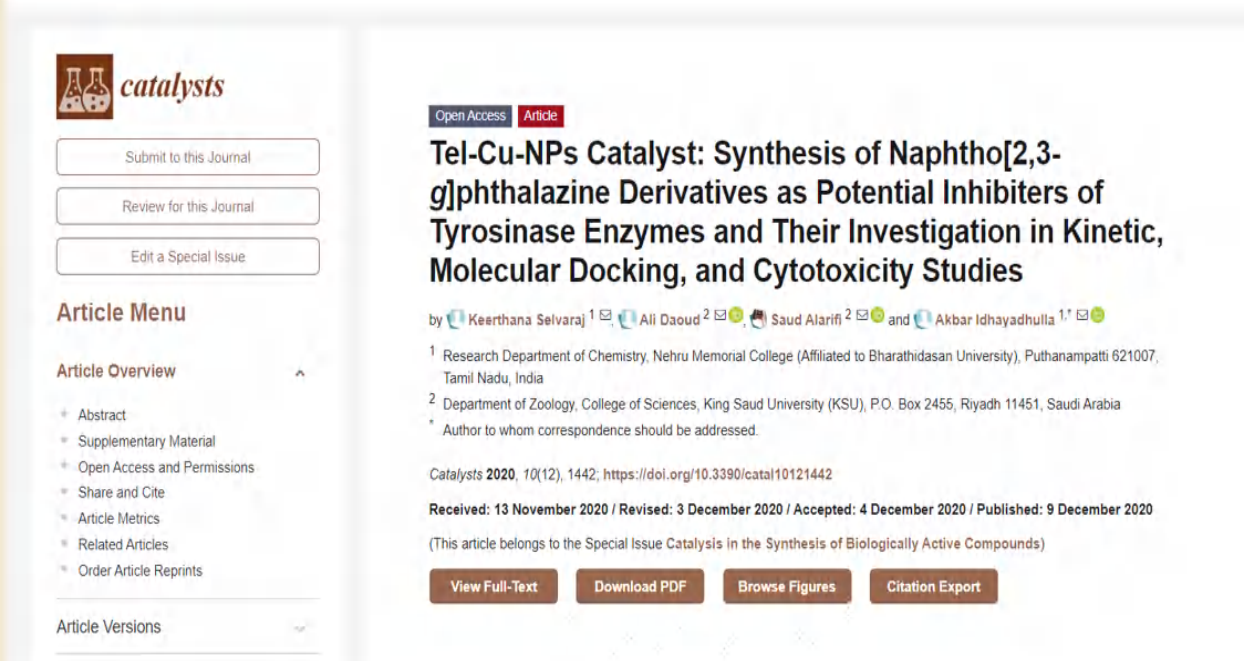
doi.org/10.1016/j.sjbs.2020.11.038

Scopus

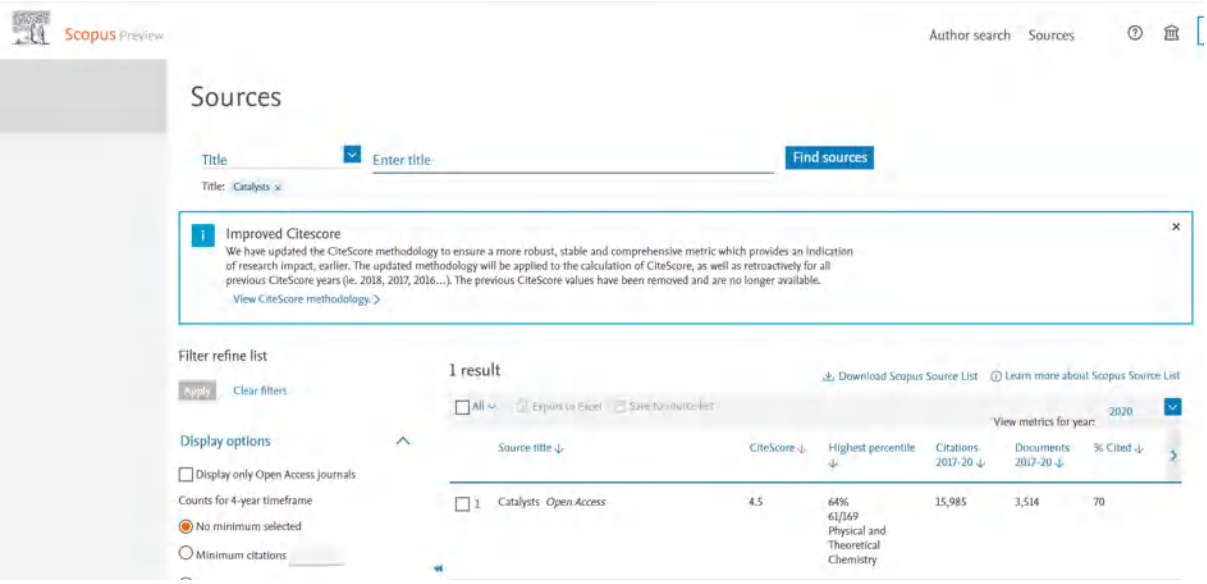


Tel-Cu-NPs catalyst: Synthesis of naphtho[2,3-g]phthalazine derivatives as potential inhibiters of tyrosinase enzymes and their investigation in kinetic, molecular docking, and cytotoxicity studies

doi.org/10.3390/catal10121442

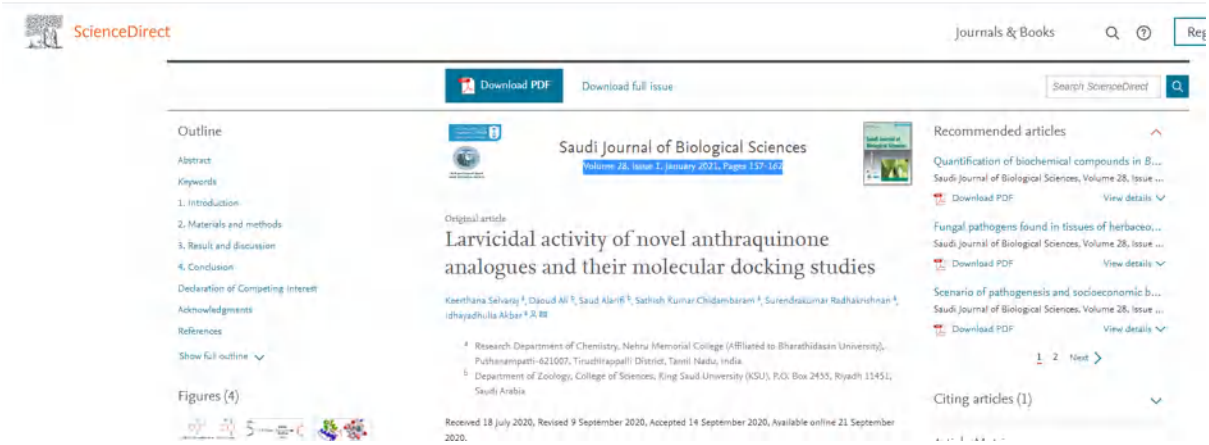


Scopus

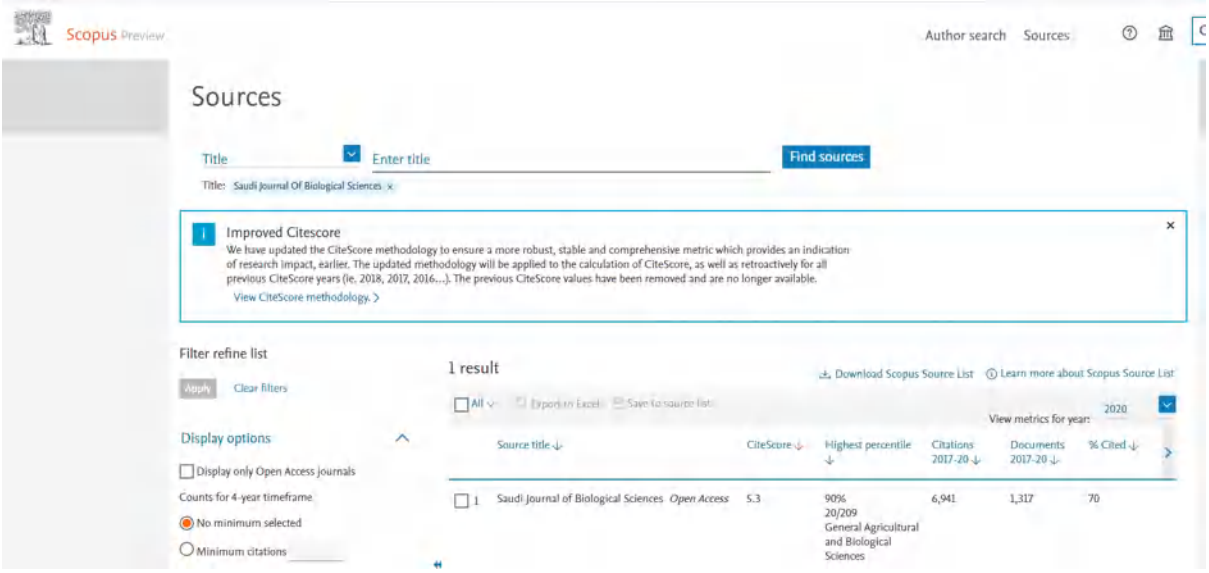


Larvicidal activity of novel anthraquinone analogues and their molecular docking studies

doi.org/10.1016/j.sjbs.2020.09.028

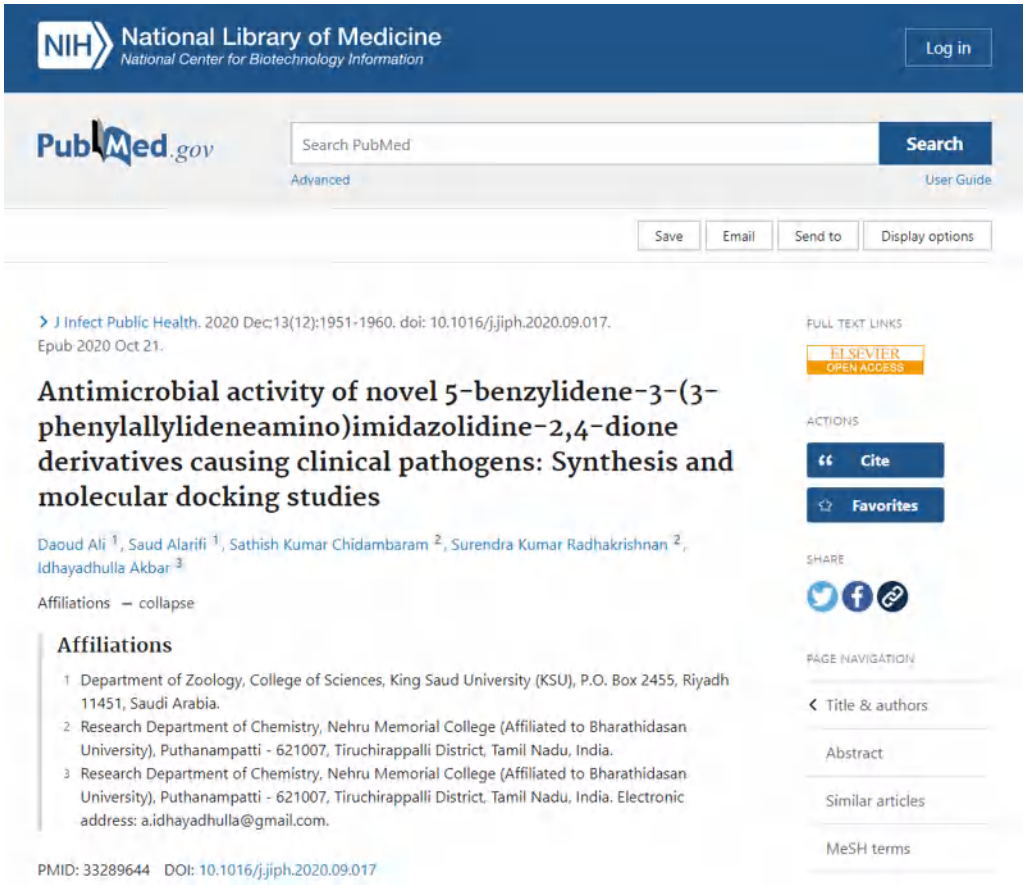


Scopus

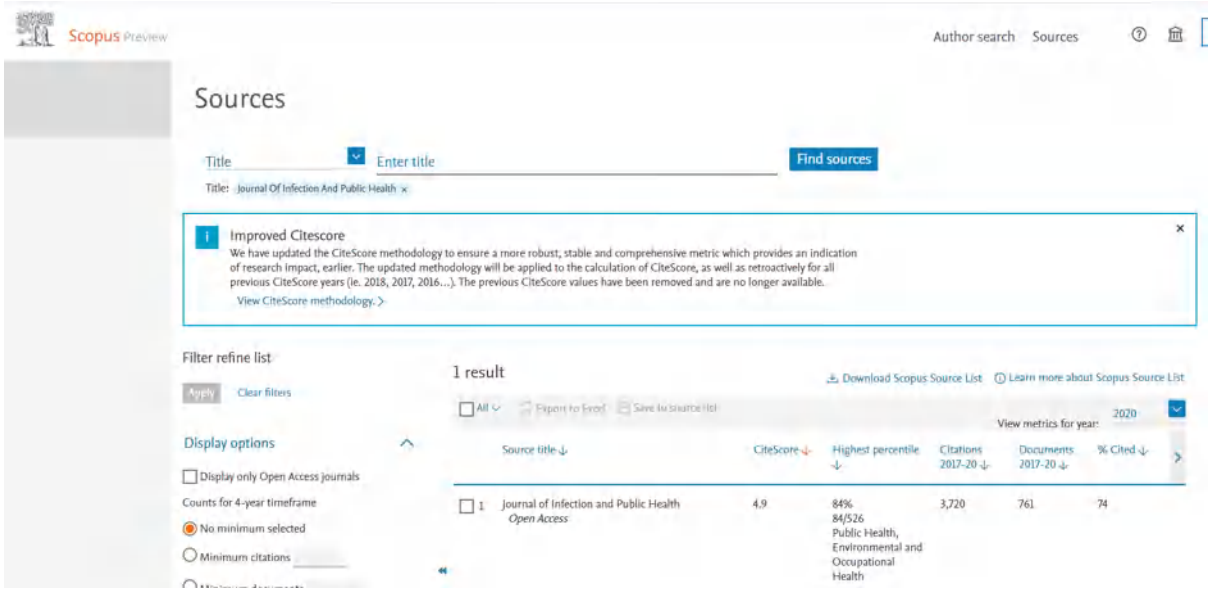


Antimicrobial activity of novel 5-benzylidene-3-(3-phenylallylideneamino)imidazolidine-2,4-dione derivatives causing clinical pathogens: Synthesis and molecular docking studies

doi.org/10.3390/polym13071046

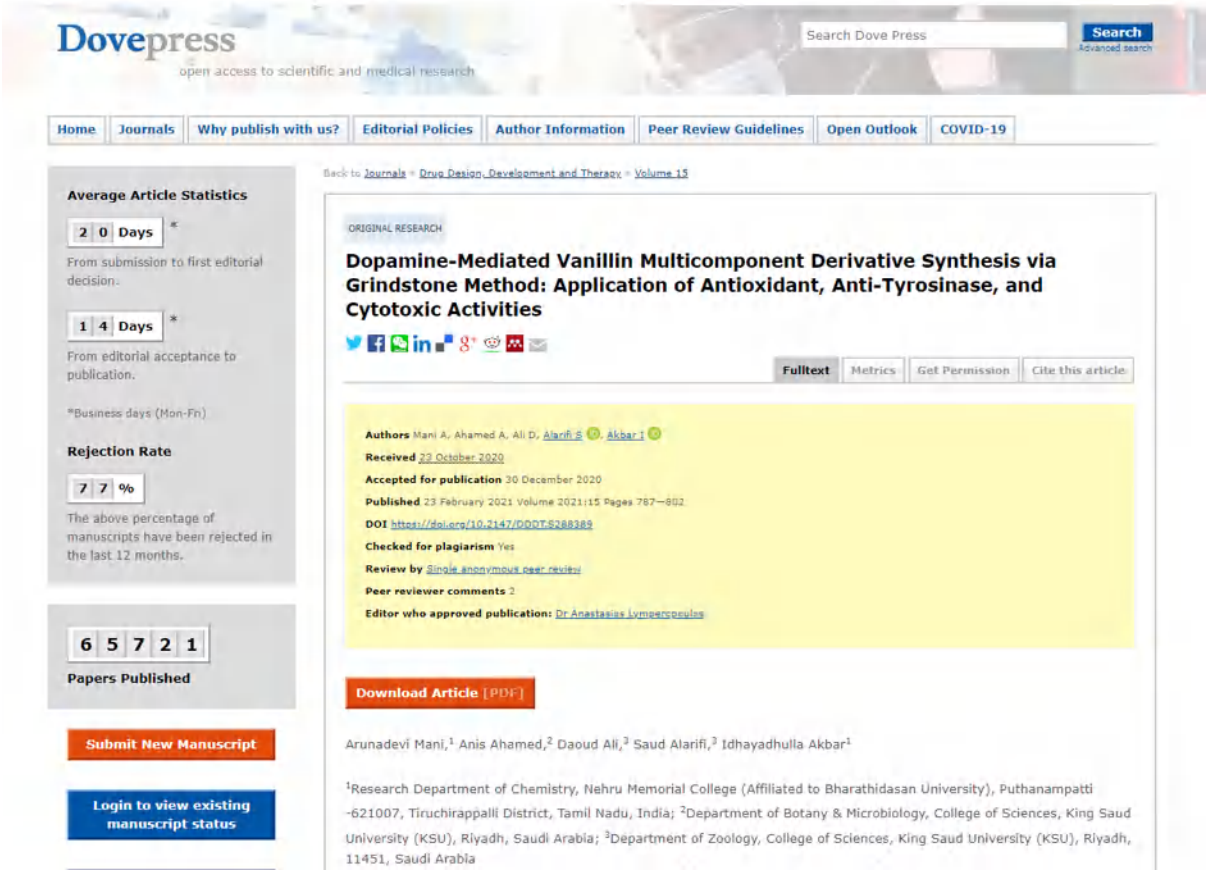


Scopus

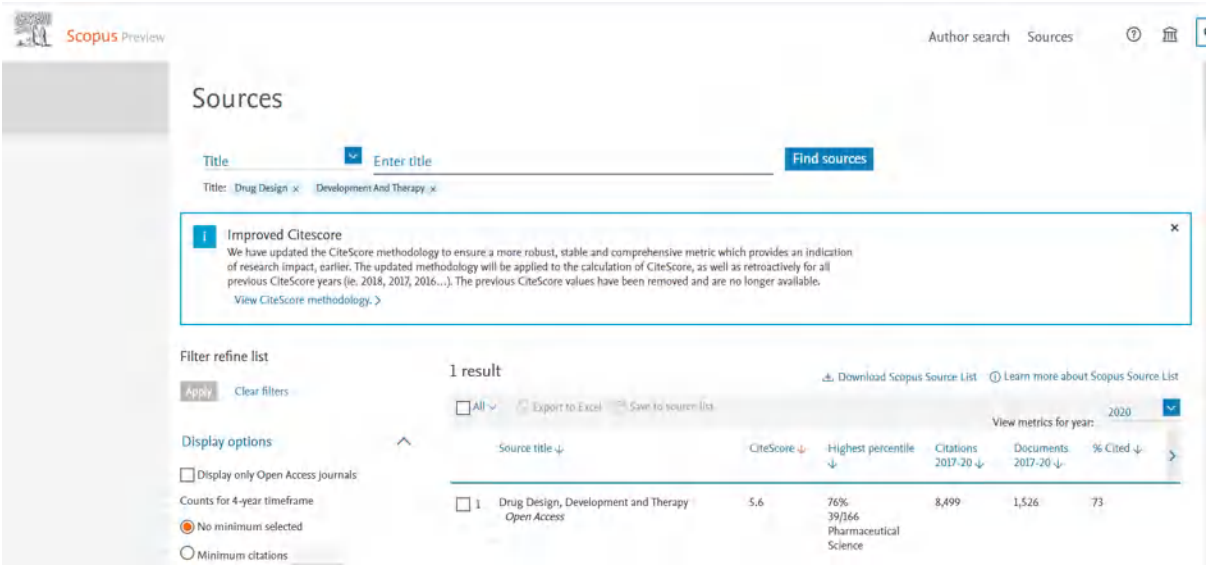


Dopamine-mediated vanillin multicomponent derivative synthesis via grindstone method: Application of antioxidant, anti-tyrosinase, and cytotoxic activities

doi.org/10.3390/polym13071046



Scopus



NICKEL (II) COMPLEXES SYNTHESIS, CHARACTERIZATION AND ITS LARVICIDAL, AND ANTIFEEDANT ACTIVITIES

Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 3, 2021, Pages. 7431 - 7442

Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 3, 2021, Pages. 7431 - 7442
Received 16 February 2021; Accepted 08 March 2021.

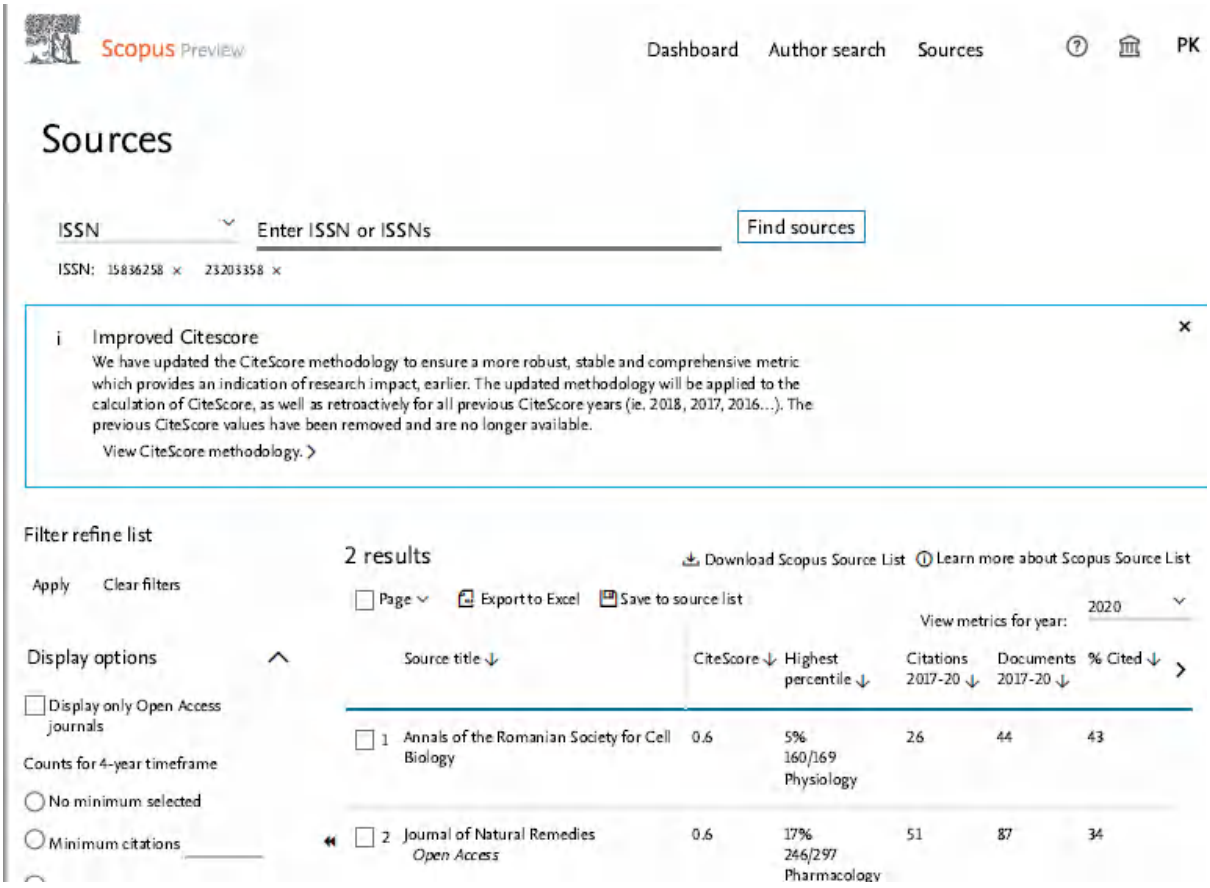
Nickel (II) Complexes Synthesis, Characterization and its Larvicidal, and Antifeedant Activities

K. Govindarajan[1], M. Ramesh[1*]

[1*]Research Department of chemistry, Nehru Memorial college (Autonomous), (Affiliated to Bharathidasan University), Puthanampatti - 621007, Tamil Nadu, South India.

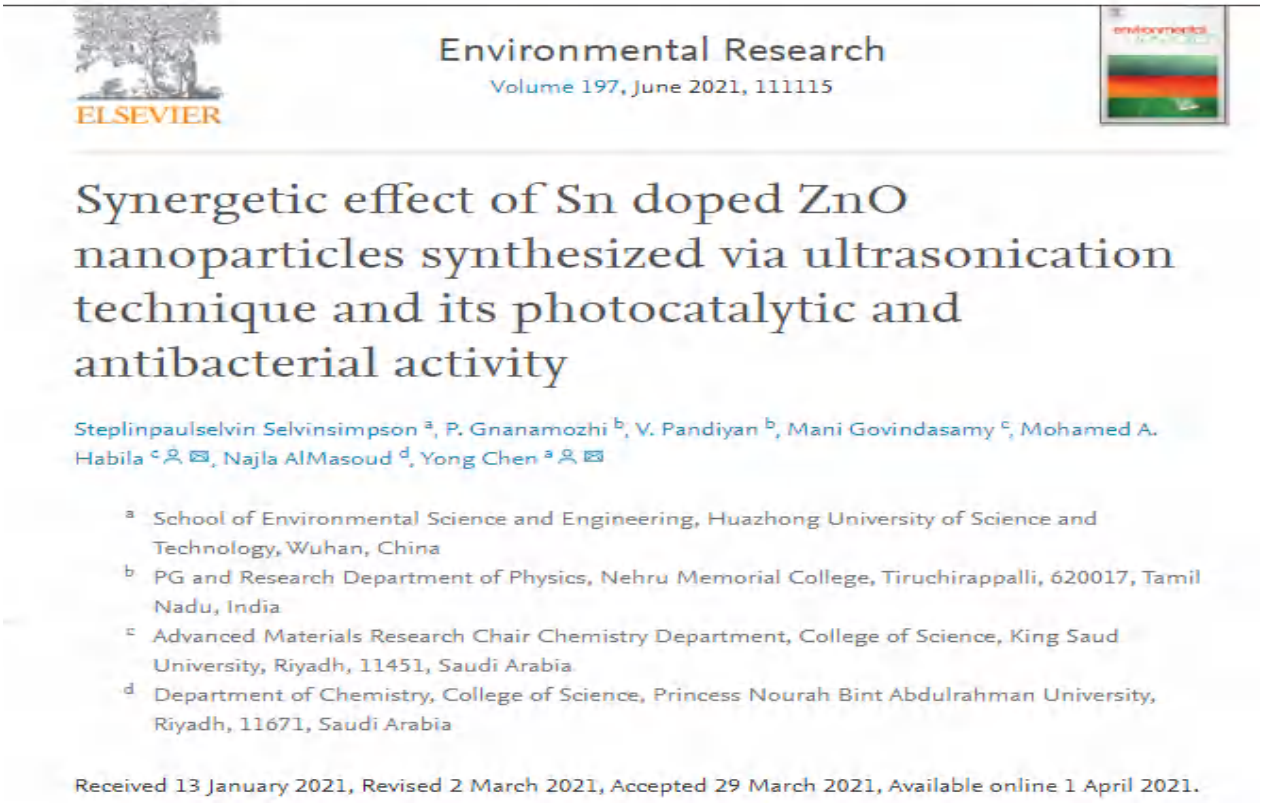
*Corresponding E.mail id: drrameshnmc@gmail.com

Scopus



Synergetic effect of Sn doped ZnO nanoparticles synthesized via ultrasonication technique and its photocatalytic and antibacterial activity

doi.org/10.1016/j.envres.2021.111115



ELSEVIER

Environmental Research
Volume 197, June 2021, 111115

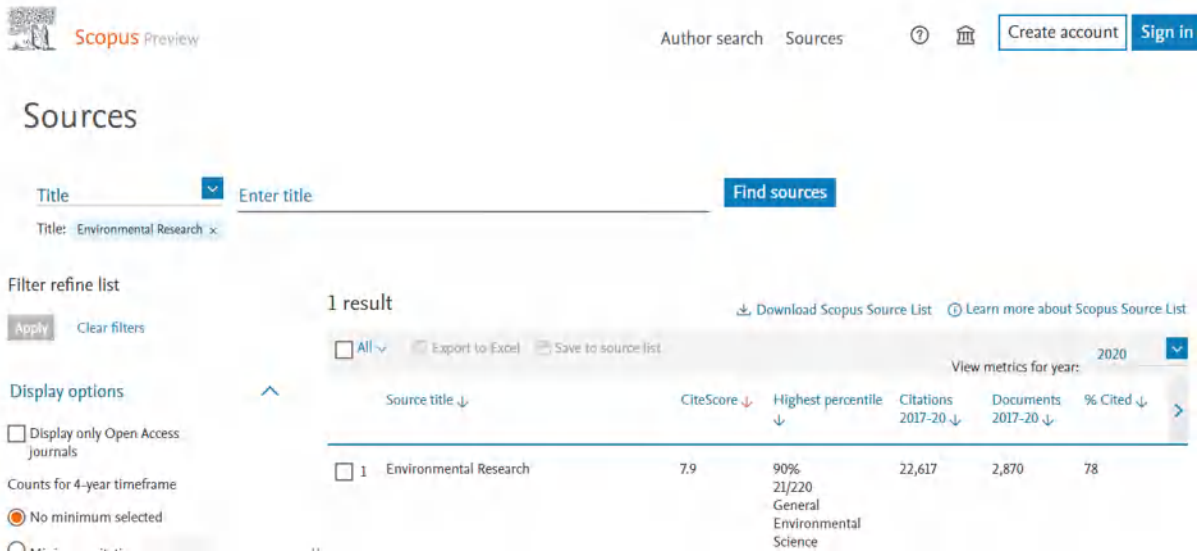
Synergetic effect of Sn doped ZnO nanoparticles synthesized via ultrasonication technique and its photocatalytic and antibacterial activity

Steplinpaulselvin Selvinsimpson [a], P. Gnanamozhi [b], V. Pandiyan [b], Mani Govindasamy [c], Mohamed A. Habila [c], Najla AlMasoud [d], Yong Chen [a]

[a] School of Environmental Science and Engineering, Huazhong University of Science and Technology, Wuhan, China
[b] PG and Research Department of Physics, Nehru Memorial College, Tiruchirappalli, 620017, Tamil Nadu, India
[c] Advanced Materials Research Chair Chemistry Department, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia
[d] Department of Chemistry, College of Science, Princess Nourah Bint Abdulrahman University, Riyadh, 11671, Saudi Arabia

Received 13 January 2021, Revised 2 March 2021, Accepted 29 March 2021, Available online 1 April 2021.

Scopus



Costus speciosus koen leaf extract assisted cs-znx (*X* = *O* or S) nanomaterials: Synthesis, characterization and photocatalytic degradation of rr 120 dye under uv and direct sunlight

doi.org/10.1016/j.molstruc.2020.129176

ELSEVIER

Journal of Molecular Structure
Volume 1225, 5 February 2021, 129176

Costus speciosus koen leaf extract assisted cs-znx (X = O or S) nanomaterials: Synthesis, characterization and photocatalytic degradation of rr 120 dye under uv and direct sunlight

S. Ravikumar [a], V. Pandiyan [a], Manawwer Alam [c], Naushad Ahmad [c], V. Nithya [d], Balu Krishnakumar [b], Abilio J.F.N. Sobral [b]

[a] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti- 621 007, Tamil Nadu, India
[b] Chemistry Department, University of Coimbra, 3004-535 Coimbra, Portugal
[c] Department of Chemistry, College of Science, Riyadh-11451, King Saud University, Riyadh, Kingdom of Saudi Arabia
[d] Department of Animal Health and Management, Pharmacognosy Lab, Alagappa University, Karaikudi-630 003, Tamil Nadu, India

Received 21 June 2020, Revised 28 August 2020, Accepted 29 August 2020, Available online 7 September

Recommended articles

In situ synthesis of ZnO nanoparticles in pol...
Journal of Molecular Structure, Volume 1225, 2021...
Purchase PDF View details

A novel Ag/PANI/$ZnTiO_3$ ternary nanocomp...
Separation and Purification Technology, Volume 25...
Purchase PDF View details

Experimental investigation of structural, sur...
Journal of Molecular Structure, Volume 1225, 2021...
Purchase PDF View details

1 2 Next

Citing articles (0)

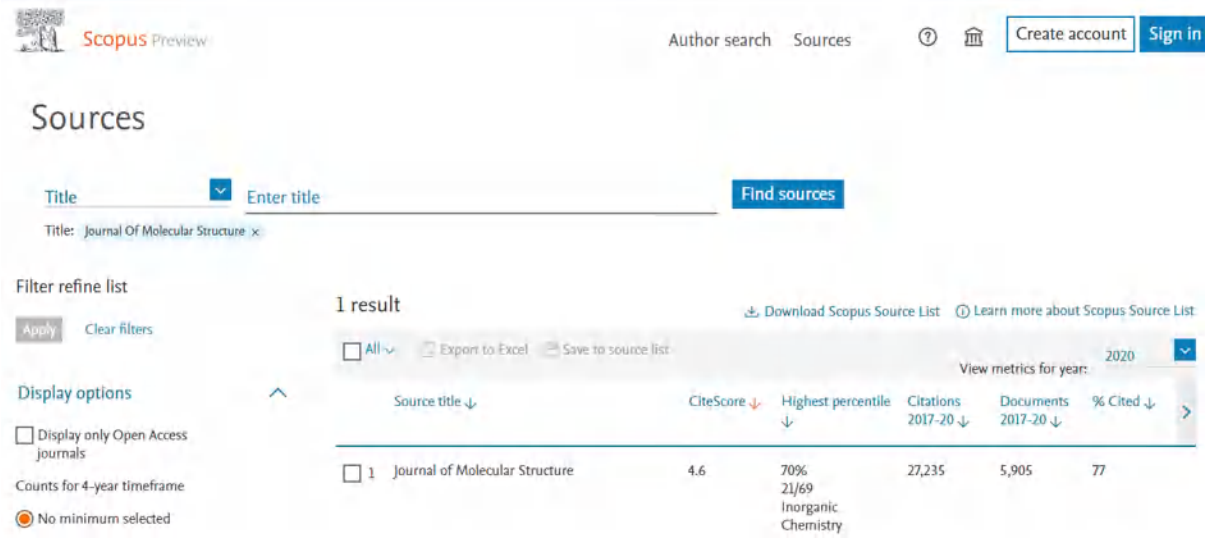
Article Metrics

Captures

Readers: 8

FEEDBACK

Scopus



Scopus Preview

Author search Sources Create account Sign in

Sources

Title Enter title Find sources

Title: Journal Of Molecular Structure

Filter refine list

Apply Clear filters

Display options

Display only Open Access journals

Counts for 4-year timeframe

No minimum selected

1 result

Download Scopus Source List Learn more about Scopus Source List

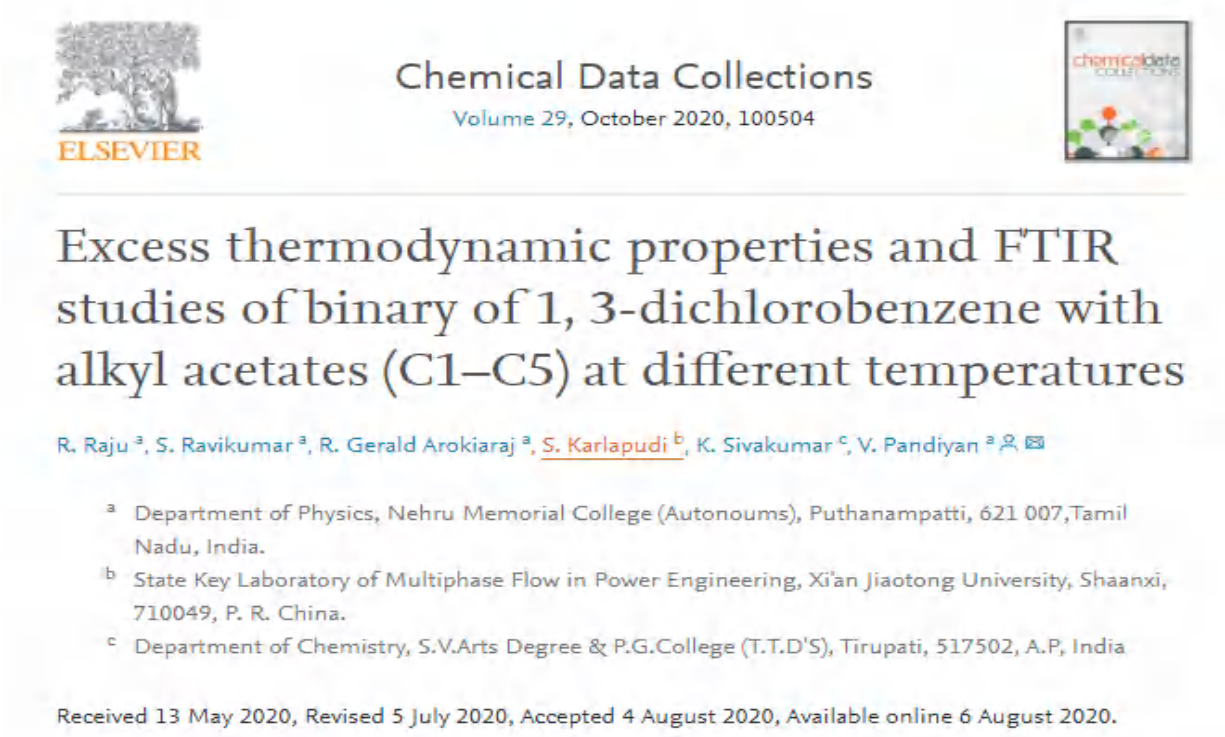
All Export to Excel Save to source list

View metrics for year: 2020

	Source title	CiteScore	Highest percentile	Citations 2017-20	Documents 2017-20	% Cited
1	Journal of Molecular Structure	4.6	70% 21/69 Inorganic Chemistry	27,235	5,905	77

Excess thermodynamic properties and FTIR studies of binary of 1, 3-dichlorobenzene with alkyl acetates (C1â€“C5) at different temperatures

doi.org/10.1016/j.cdc.2020.100504



ELSEVIER

Chemical Data Collections

Volume 29, October 2020, 100504

Excess thermodynamic properties and FTIR studies of binary of 1, 3-dichlorobenzene with alkyl acetates (C1–C5) at different temperatures

R. Raju [a], S. Ravikumar [a], R. Gerald Arokiaraj [a], S. Karlapudi [b], K. Sivakumar [c], V. Pandiyan [a]

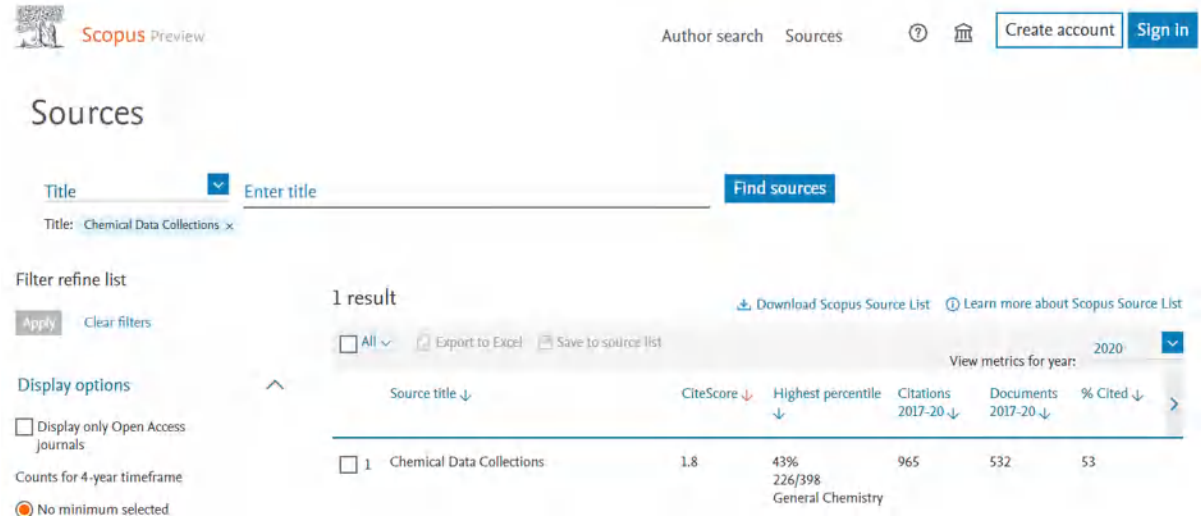
[a] Department of Physics, Nehru Memorial College (Autonoums), Puthanampatti, 621 007,Tamil Nadu, India.

[b] State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Shaanxi, 710049, P. R. China.

[c] Department of Chemistry, S.V.Arts Degree & P.G.College (T.T.D'S), Tirupati, 517502, A.P, India

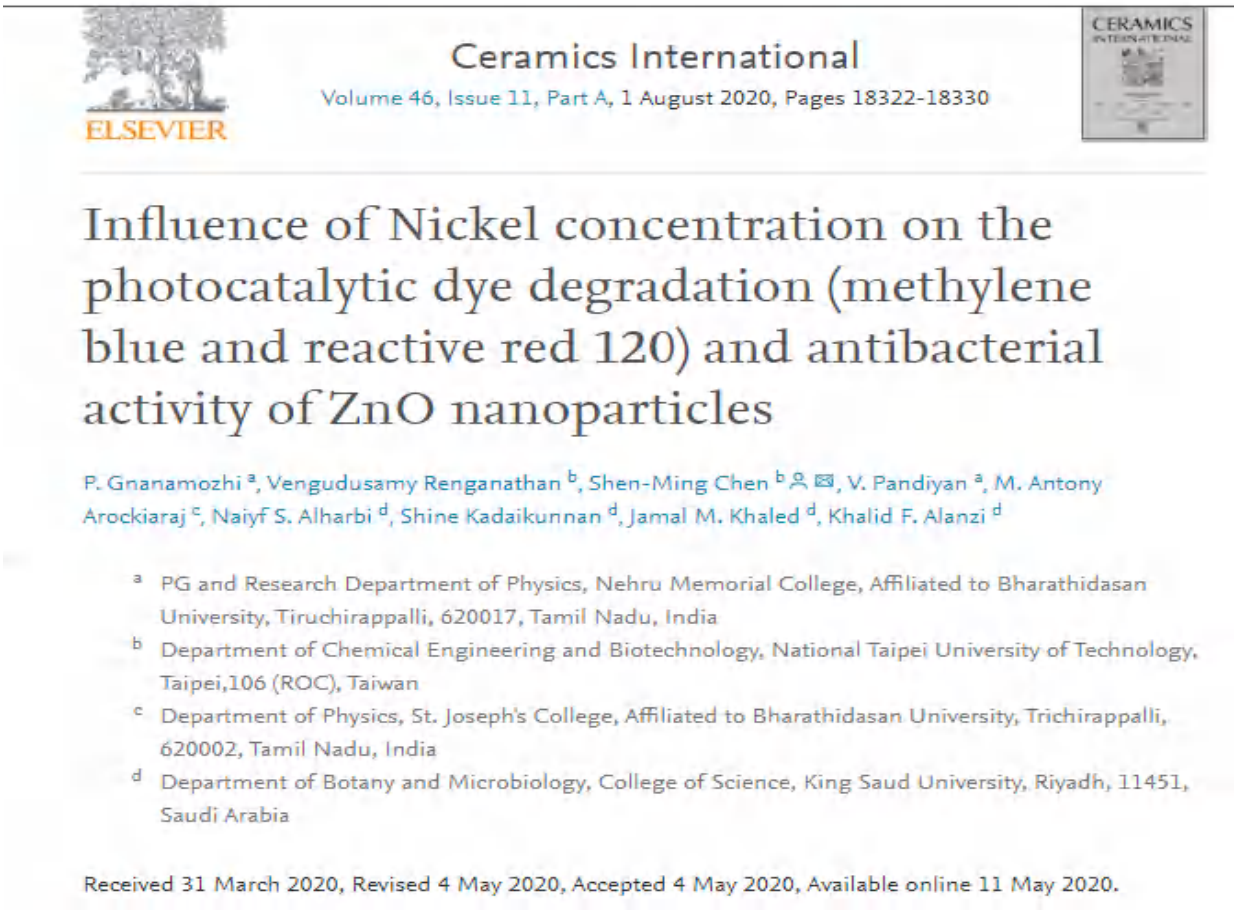
Received 13 May 2020, Revised 5 July 2020, Accepted 4 August 2020, Available online 6 August 2020.

Scopus



Influence of Nickel concentration on the photocatalytic dye degradation (methylene blue and reactive red 120) and antibacterial activity of ZnO nanoparticles

doi.org/10.1016/j.ceramint.2020.05.054



ELSEVIER

Ceramics International

Volume 46, Issue 11, Part A, 1 August 2020, Pages 18322-18330

Influence of Nickel concentration on the photocatalytic dye degradation (methylene blue and reactive red 120) and antibacterial activity of ZnO nanoparticles

P. Gnanamozhi [a], Vengudusamy Renganathan [b], Shen-Ming Chen [b], V. Pandiyan [a], M. Antony Arockiaraj [c], Naiyf S. Alharbi [d], Shine Kadaikunnan [d], Jamal M. Khaled [d], Khalid F. Alanzi [d]

[a] PG and Research Department of Physics, Nehru Memorial College, Affiliated to Bharathidasan University, Tiruchirappalli, 620017, Tamil Nadu, India

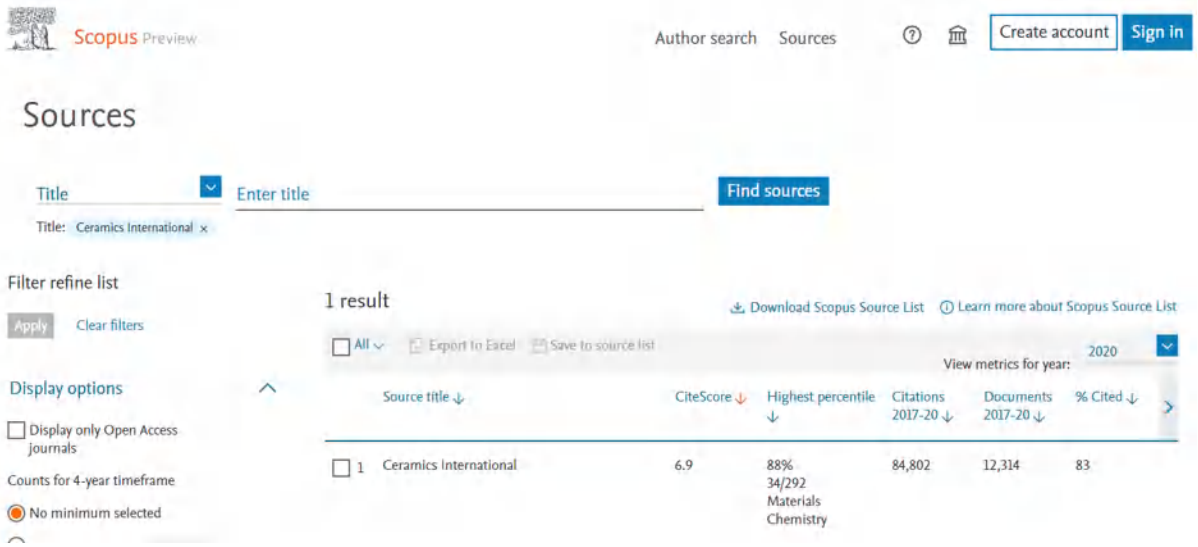
[b] Department of Chemical Engineering and Biotechnology, National Taipei University of Technology, Taipei,106 (ROC), Taiwan

[c] Department of Physics, St. Joseph's College, Affiliated to Bharathidasan University, Trichirappalli, 620002, Tamil Nadu, India

[d] Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia

Received 31 March 2020, Revised 4 May 2020, Accepted 4 May 2020, Available online 11 May 2020.

Scopus



Enhanced antibacterial and photocatalytic degradation of reactive red 120 using lead substituted ZnO nanoparticles prepared by ultrasonic-assisted co-precipitation method

doi.org/10.1016/j.ceramint.2020.05.020

ELSEVIER

Ceramics International

Volume 46, Issue 11, Part B, 1 August 2020, Pages 19593-19599

Enhanced antibacterial and photocatalytic degradation of reactive red 120 using lead substituted ZnO nanoparticles prepared by ultrasonic-assisted co-precipitation method

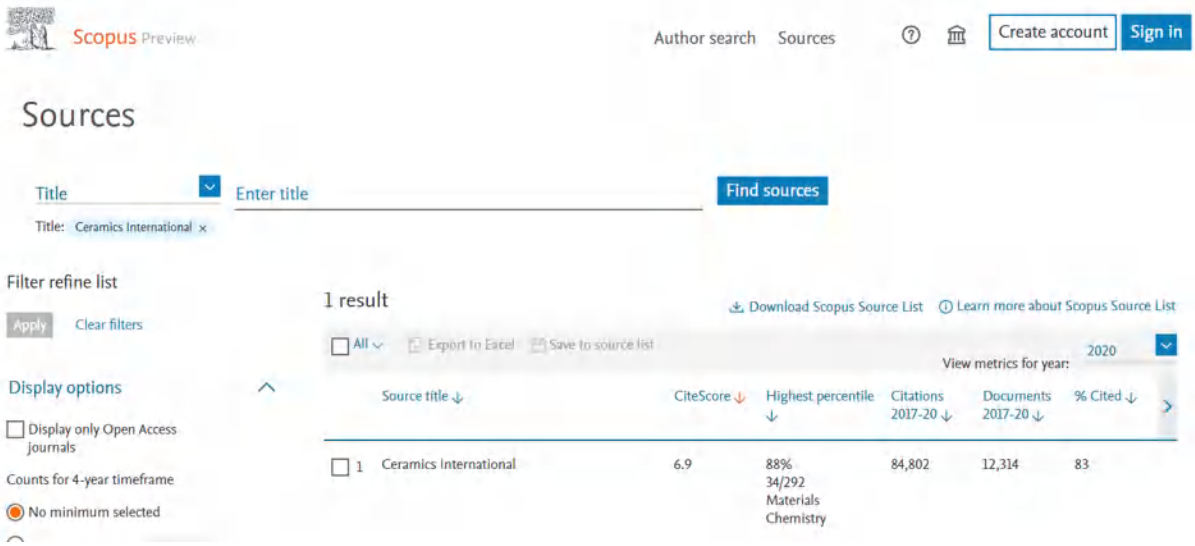
P. Gnanamozhi [a, 1], G. Rajivgandhi [b, 1], Naiyf S. Alharbi [c], Shine Kadaikunnan [c], Jamal M. Khaled [c], Taghreed N. Almanaa [c], V. Pandiyan [a], Wen-Jun Li [b, d]

[a] PG and Research Department of Physics, Nehru Memorial College, Affiliated to Bharathidasan University, Tiruchiraappalli, 621007, Tamil Nadu, India

[b] State Key Laboratory of Biocontrol, Guangdong Provincial Key Laboratory of Plant Resources and Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), School of Life Sciences, Sun Yat-Sen University, Guangzhou, 10275, PR China

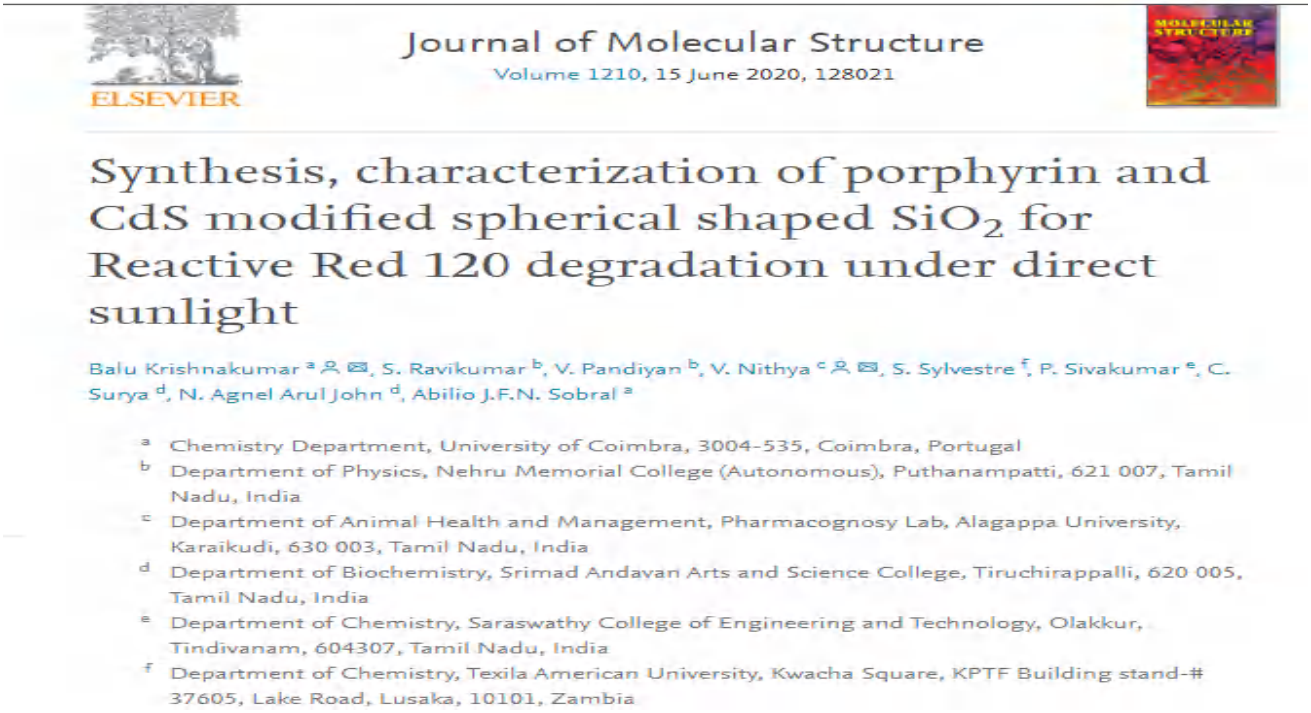
[c] Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, 11451,

Scopus



Synthesis, characterization of porphyrin and CdS modified spherical shaped SiO2 for Reactive Red 120 degradation under direct sunlight

doi.org/10.1016/j.molstruc.2020.128021



ELSEVIER

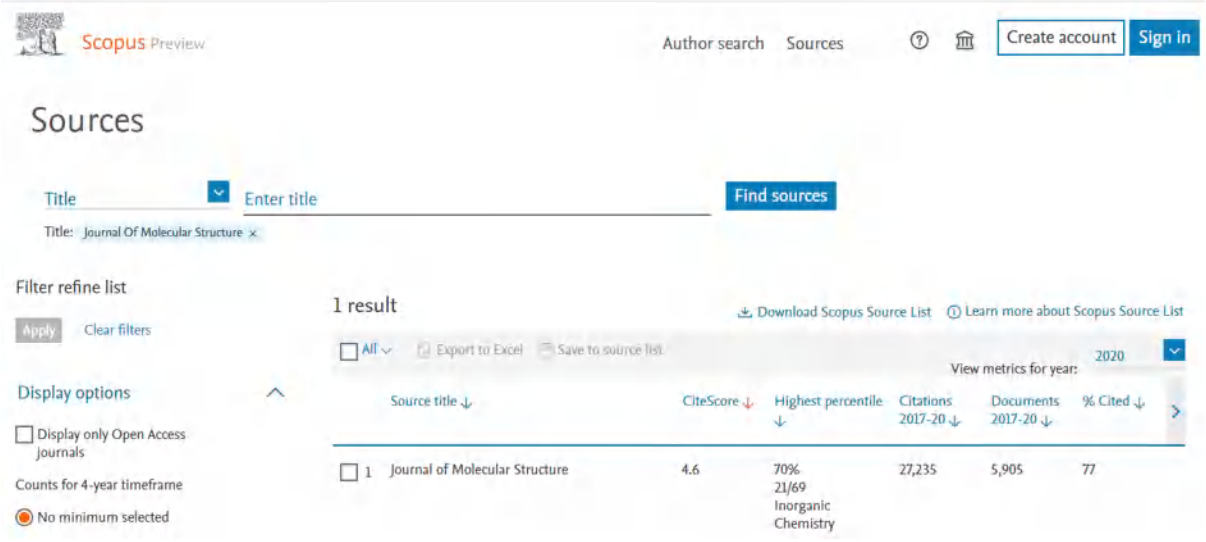
Journal of Molecular Structure
Volume 1210, 15 June 2020, 128021

Synthesis, characterization of porphyrin and CdS modified spherical shaped SiO_2 for Reactive Red 120 degradation under direct sunlight

Balu Krishnakumar [a], S. Ravikumar [b], V. Pandiyan [b], V. Nithya [c], S. Sylvestre [f], P. Sivakumar [e], C. Surya [d], N. Agnel Arul John [d], Abilio J.F.N. Sobral [a]

[a] Chemistry Department, University of Coimbra, 3004-535, Coimbra, Portugal
[b] Department of Physics, Nehru Memorial College (Autonomous), Puthanampatti, 621 007, Tamil Nadu, India
[c] Department of Animal Health and Management, Pharmacognosy Lab, Alagappa University, Karaikudi, 630 003, Tamil Nadu, India
[d] Department of Biochemistry, Srimad Andavan Arts and Science College, Tiruchirappalli, 620 005, Tamil Nadu, India
[e] Department of Chemistry, Saraswathy College of Engineering and Technology, Olakkur, Tindivanam, 604307, Tamil Nadu, India
[f] Department of Chemistry, Texila American University, Kwacha Square, KPTF Building stand-# 37605, Lake Road, Lusaka, 10101, Zambia

Scopus



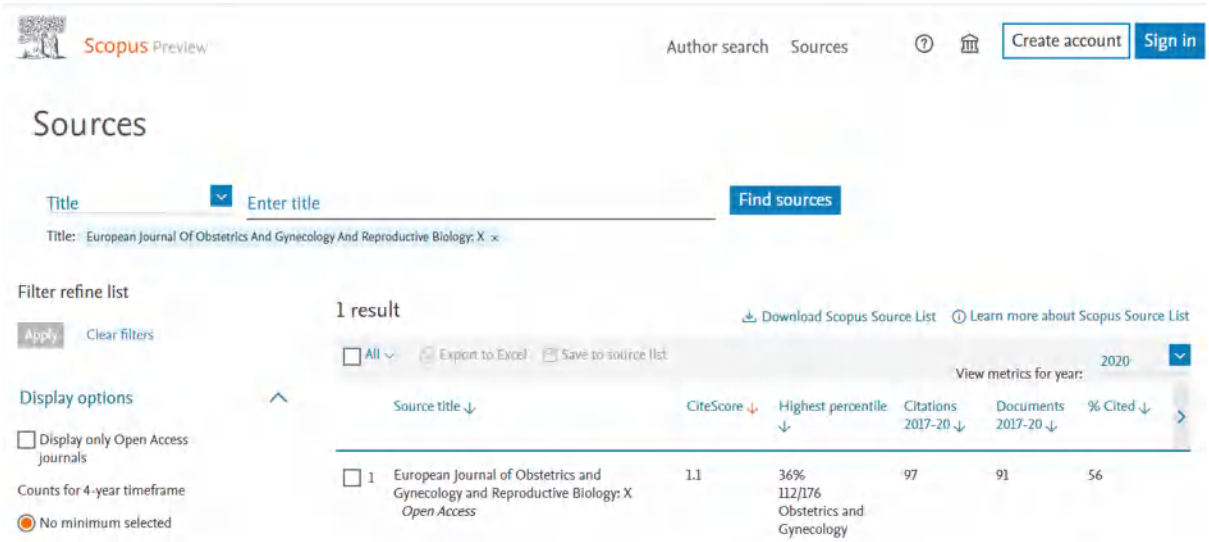
Antifungal susceptibility and virulence profile of candida isolates from abnormal vaginal discharge of women from southern India

DOI: 10.1016/j.ejogrb.2020.09.021

Affiliations

1 DNA Barcoding and Marine Genomics Laboratory, Department of Marine Sciences, Bharathidasan University, Tiruchirapalli, India; Department of Microbiology, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli, India.
2 Department of Microbiology, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli, India.
3 Department of Microbiology, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli, India; Department of Biotechnology, Nehru Memorial College, Tiruchirapalli, India.
4 Department of Obstetrics and Gynaecology, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli, India.
5 Department of Obstetrics and Gynaecology, R.N.T Medical College, Udaipur, India.
6 Centre for Pheromone Technology, Department of Animal Sciences, Bharathidasan University, Tiruchirapalli, India.
7 DNA Barcoding and Marine Genomics Laboratory, Department of Marine Sciences, Bharathidasan University, Tiruchirapalli, India. Electronic address: drrajaram69@rediffmail.com.

Scopus



Comparative investigation on antimicrobial and phytochemical profiling of cyclea peltata and tiliocora acuminate

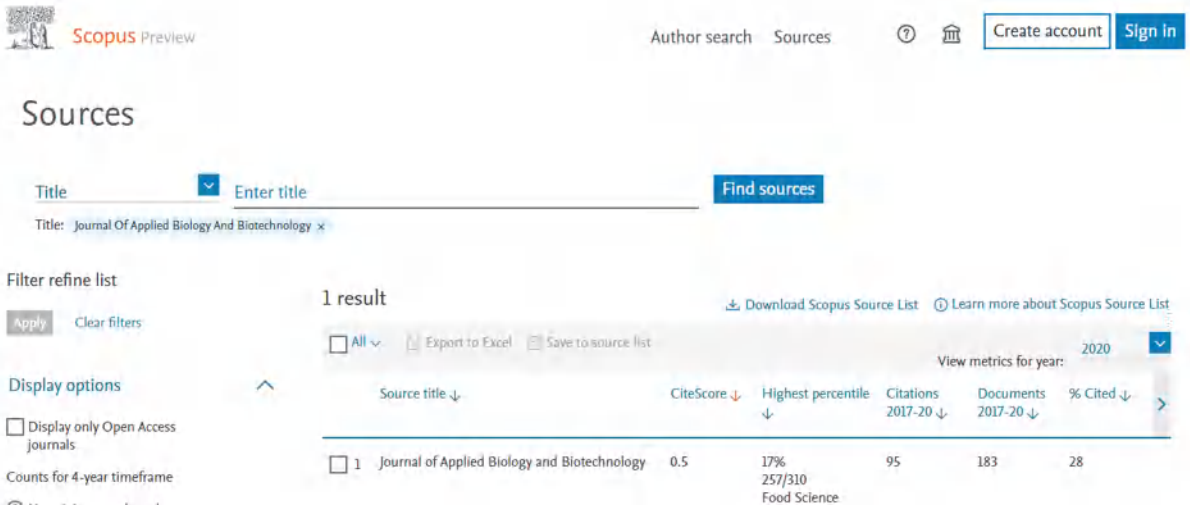
DOI: 10.7324/JABB.2020.803011

Journal of Applied Biology & Biotechnology Vol. 8(03), pp. 57-63, May-June, 2020
Available online at http://www.jabonline.in
DOI: 10.7324/JABB.2020.803011

Comparative investigation on antimicrobial and phytochemical profiling of *Cyclea peltata* and *Tiliocora acuminate*

Maniarasan Uthirapathi[1], Keerthiga Manohar[2*], Nagarajan Nalliah[1]
[1]PG and Research Department of Botany and biotechnology, Nehru Memorial College, Trichy, India.
[2]Department of Ancient Science, Tamil University, Thanjavur, India.

Scopus



PERFORMANCE AND SELLING FUNCTIONS OF VEGETABLE CULTIVATION FARMERS IN TAMILNADU

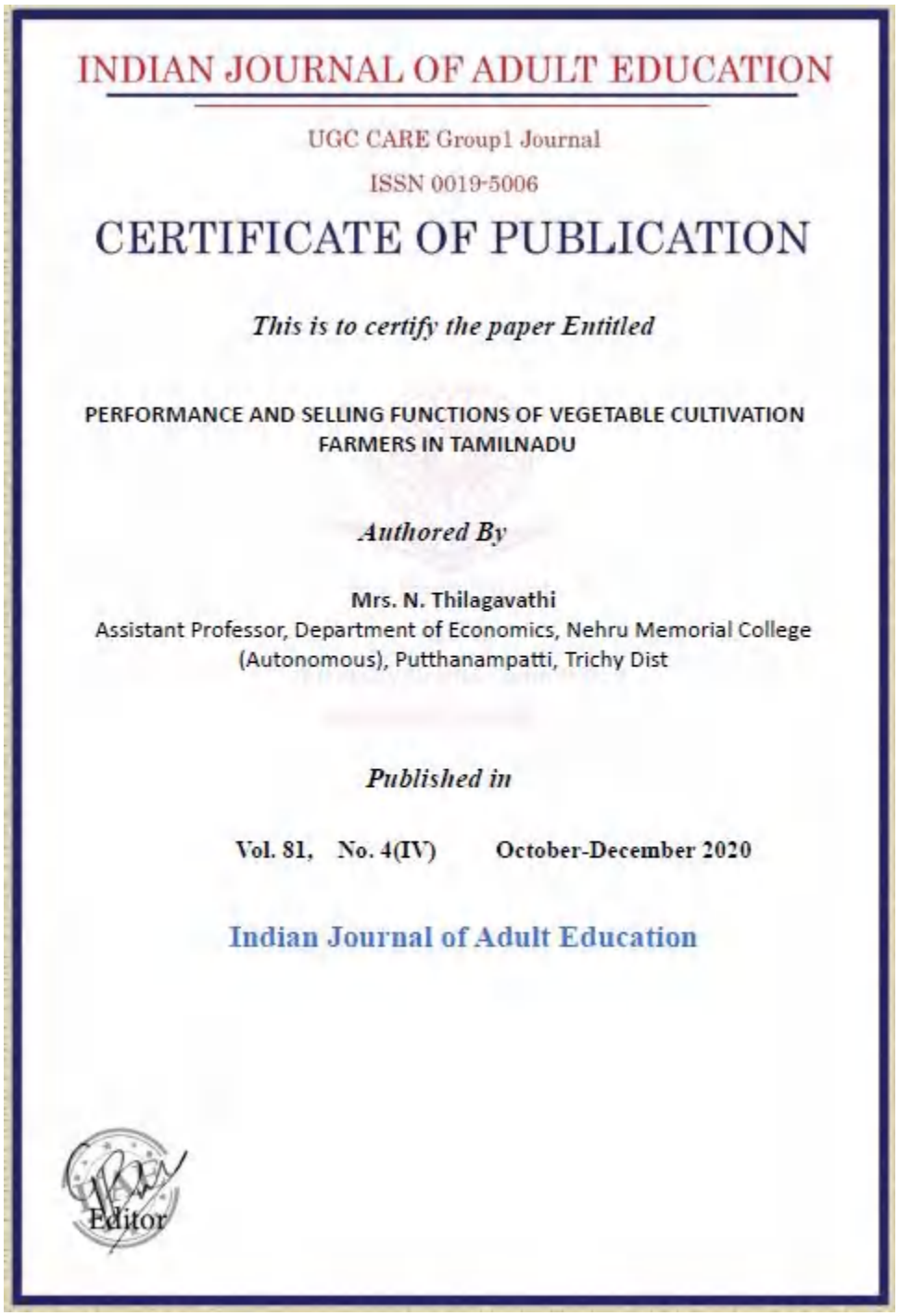
ISSN : 0019-5006

Indian Journal of Adult Education **ISSN : 0019-5006**
Vol. 81, No. 4(IV) **October-December 2020**

PERFORMANCE AND SELLING FUNCTIONS OF VEGETABLE CULTIVATION FARMERS IN TAMILNADU

Mrs. N. Thilagavathi Assistant Professor, Department of Economics, Nehru Memorial College (Autonomous), Putthanampatti, Trichy Dist.

UGC Care



INDIAN JOURNAL OF ADULT EDUCATION

UGC CARE Group1 Journal

ISSN 0019-5006

CERTIFICATE OF PUBLICATION

This is to certify the paper Entitled

PERFORMANCE AND SELLING FUNCTIONS OF VEGETABLE CULTIVATION FARMERS IN TAMILNADU

Authored By

Mrs. N. Thilagavathi
Assistant Professor, Department of Economics, Nehru Memorial College (Autonomous), Putthanampatti, Trichy Dist

Published in

Vol. 81, No. 4(IV) October-December 2020

Indian Journal of Adult Education

Editor

RURAL AREA INFRASTRUCTURE FOR CATTLE FARMS IN TAMILNADU

ISSN: 0975-4520

Kala Sarovar **ISSN: 0975-4520**
(UGC Care Group-1 Journal) **Vol-23 No.04(IX) October-December 2020**

RURAL AREA INFRASTRUCTURE FOR CATTLE FARMS IN TAMILNADU

Mrs. N. Thilagavathi Assistant Professor, Department of Economics, Nehru Memorial College (Autonomous), Putthanampatti, Trichy Dist.

UGC Care

KALA SAROVAR

UGC CARE Group - I Journal
ISSN : 0975-4520

CERTIFICATE OF PUBLICATION

This is to certify the paper Entitled

RURAL AREA INFRASTRUCTURE FOR CATTLE FARMS IN TAMILNADU

Authored By

Mrs. N. Thilagavathi
Assistant Professor, Department of Economics, Nehru Memorial College (Autonomous), Putthanampatti, Trichy Dist

Published in

Vol-23 No.04(IX) October-December 2020
Kala Sarovar
ISSN : 0975-4520
UGC Care Group – 1 Journal

Editor
Kala Sarovar

A STUDY OF STRESS AND JOB SATISFACTION OF DUAL CAREER TEACHER COUPLES OF TAMILNADU

ISSN : 0025-0422

Journal of the Maharaja Sayajirao University of Baroda
ISSN : 0025-0422

A STUDY OF STRESS AND JOB SATISFACTION OF DUAL CAREER TEACHER COUPLES OF TAMILNADU

N.Thilagavathi Research Scholar, Department of Economics, Nehru Memorial College, Putthanampatti, Affiliated to Bharathidasan University, Trichy Dist.

UGC Care

Realization of all logic gates and memory latch in the SC-CNN cell of the simple nonlinear MLC circuit

doi.org/10.1063/5.0046968

Scopus