

NEHRU MEMORIAL COLLEGE (AUTONOMOUS)

PUTHANAMPATTI-621007

STAFF PROFILE

NAME OF THE STAFF : **Dr. A. IDHAYADHULLA**
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT : CHEMISTRY



1. CONTACT

Address : Department of Chemistry, Nehru Memorial College,
Puthanampatti -621007
Contact Phone (Mobile) : +91 9994265115
Contact e-mail(s) : a.idhayadhulla@gmail.com;
idhayadhulla@nmc.ac.in

2. ACADEMIC QUALIFICATIONS

Degree	College/University/Board	Year of Passing/ Awarded
B.Sc.	Jamal Mohamed College, Affiliated to the Bharathidasan University, Tiruchirappalli.	2002
M.Sc.	Jamal Mohamed College, Affiliated to the Bharathidasan University, Tiruchirappalli.	2005
M.Phil	Jamal Mohamed College, Affiliated to the Bharathidasan University, Tiruchirappalli.	2006
Ph.D.	Bharathidasan University, Tiruchirappalli.	2011
Post- Doctoral	School of Chemical Engineering, YeungnaUniversity, SouthKorea	2013-2015

3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years	
			UG	PG
1	Assistant Professor, Department of Chemistry, Karur College of Engineering - Karur	1-06-2011 to 27-2-2013	1.9	
2	International Research Professor - School of Chemical Engineering. Yeungnam University, South Korea.	1-3-2013 to 27-2-2015		2.0
3	School of Basic Sciences, Department of Chemistry, Vels University, Chennai.	01-6-2015 to 27-12-2015		0.6
4	Assistant Professor, Nehru Memorial College, Puthanampatti-621007.	28-12-2015 to present	5.6	

4. RESEARCH EXPERIENCE (in years) : 14

5. AREA OF RESEARCH : Organic and medicinal chemistry

6**. RESEARCH GUIDANCE (In Numbers)

Program of Study		Completed	Ongoing
Research	Ph. D.		4
	M. Phil.	9	-

7**. PUBLICATION(S) (In Numbers)

Journal(s)		Proceeding(s)	
International	National	International	National
81	3		

Cumulative Impact Factor (as per JCR) : 110.3

Citations 1541 1179

h-index 21

i10-index 39

9. PARTICIPATION (In Numbers)**

Events	International	National
Conference(s)	9	
Seminar(s)	-	-
Workshop(s)		3

10. PROFESSIONAL DEVELOPMENT (In Numbers)**

Orientation Programme(s)	Refresher Course(s)	Faculty Development Programme(s)	Short Term Course(s)	Online Course(s)
1	-	4	2	-

11. FUNDED RESEARCH PROJECT(S)

Consultancy Project(s)	Nanocut Therapeutics Pvt. Ltd. Puducherry, Title: Synthesis and new method development of API 25-Hydroxycholesterol (8 lakhs)
Patent(s) (Applied/Received)	(1) Awarded: Larvicidal compounds and process thereof, Patent no: 359404
	(2) Published: Title of the invention: Larvicidal and Antifeedant Compounds and a Process Thereof Indian Provisional Patent Application No.: 201941043599 A

12. DISTINCTIVE ACHIEVEMENT(S) / RECOGNITION(S) / AWARD(S)

- 1, Outstanding Contribution in Reviewing award
Materials Science & Engineering C – Elsevier International December 2017
- 2, Research Fellowship award (TUBITAK)-Turkey International 20/12/2012
- 3, Journal of Nanomaterials,
Lead Editor of Akbar Idhayadhulla

Special Issues:Phytonanotechnology: Characterization and Medicinal Applications

13. OVERSEAS EXPOSURE / VISIT(S) (Academic & Research)

1. **Visit** : XVII International Conference on Heterocycles in Bioorganic Chemistry, National University of Ireland Galway, **Ireland**.
2. International Chemistry Conference, Riyadh, **Saudi Arabia**

14. EVENT(S) ORGANIZED

S. No.	Name of the Programme	Role of Responsibility held	Funding Agencies	Date of the Event
1	Seminar on new innovative idea in science and technology	Convener	TNSCST	14-11-2011
2	One day national seminar on Analytical Techniques in Material Chemistry –(ATMC-2015)	Convener	Sponsored by VELS university and Organized by : Department of Chemistry, School of Basic Sciences , VELS university , Chennai- 600117.	16-10-2015

15. SERVED AS A RESOURCE PERSON -INVITED TALKS

Third International conference on nanomaterials: synthesis, characterization and application, ICN 2018, 11-13 MAY 2018, IIUCNN, Mahatma Gandhi University, Kottayam Kerala, India

16. DETAILS OF MEMBERSHIP

Referee (Peer Reviewed Journal)	1, Scientific reports (Nature group) 2, ACS omega (ACS publication) 3, New Journal of Chemistry-RSC 4, Materials Science & Engineering C - Elsevier 5, Journal of Heterocyclic Chemistry 6, Synthetic Communications 7, Journal of Food Biochemistry 8, Natural Product Research 9, Saudi Journal of Biological Sciences 10, Biomedicine & Pharmacotherapy 11, Bioorganic Chemistry 12, Chemistry - An Asian Journal-Wiley
Professional Bodies	American chemical Society Member in Indian science congress

18. DETAILS OF PUBLICATIONS

1. Perumal Gobinath, Ponnusamy Packialakshmi , Kaliappillai Vijayakumar, Magda H. Abdellattif, Mohd Shahbaaz, Akbar Idhayadhulla and Radhakrishnan Surendrakumar^{1*}
Synthesis and Cytotoxic Activity of Novel Indole Derivatives and Their in silico Screening on Spike Glycoprotein of SARS-CoV-2Gobinath, Front. Mol. Biosci., 05 August 2021 | <https://doi.org/10.3389/fmolb.2021.716238> (IF: 5.2)
2. Synthesis and characterization of a minophosphonate containing chitosan polymer derivatives: Investigations of cytotoxic activity and in silico study of sars-cov-19Packialakshmi, P., Gobinath, P., Daoud, A., Alarifi, S., Alsaari, N.S., Idhayadhulla, A., Surendrakumar, R. *Polymers* **2021**, 13(7), 1046; (IF: 4.3)
3. Antimicrobial and cytotoxic activities of isoniazid connected menthone derivatives and their investigation of clinical pathogens causing infectious disease Al-Khattaf,

F.S., Mani, A., Atef Hatamleh, A., Akbar, Idhayadhulla*. *Journal of Infection and Public Health*, **2021**, 14(4), pp. 533-542 (IF:3.78)

4. Green catalyst Cu(II)-enzyme-mediated eco-friendly synthesis of 2-pyrimidinamines as potential larvicides against *Culex quinquefasciatus* mosquito and toxicity investigation against non-target aquatic species, Chidambaram, S., Mostafa, A.A.-F., Abdulrahman Al-Askar, A., Sayed, S.R.M., Radhakrishnan, S., Akbar, Idhayadhulla*, *Bioorganic Chemistry*, Volume 109, **2021**, 104697 (IF:5.2)

5. 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 , Gobinath, P., Packialakshmi, P., Daoud, A., Alarifi, S., Idhayadhulla, A., Surendrakumar, R. *Molecules*, **2021** Feb 20;26(4):1131. (IF: 4.4)

6. Dopamine-mediated vanillin multicomponent derivative synthesis via grindstone method: Application of antioxidant, anti-tyrosinase, and cytotoxic activities Mani, A., Ahamed, A., Ali, D., Alarifi, S., Akbar, **Idhayadhulla***, *Drug Design, Development and Therapy*, **2021**, 15, pp. 787-802 (IF:4.1)

7. 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, Chidambaram, S., El-Sheikh, M.A., Alfarhan, A.H., Radhakrishnan, S., Akbar, **Idhayadhulla***. *Saudi Journal of Biological Sciences*, **2021**, 28(1), pp. 1100-1108 (IF: 4.2)

8. Larvicidal activity of novel anthraquinone analogues and their molecular docking studies Selvaraj, K., Ali, D., Alarifi, S., Chidambaram, S.K., Radhakrishnan, S., Akbar, Idhayadhulla, Saudi Journal of Biological Sciences, **2021**,28(1), pp. 157-162 (IF:4.2)

9. 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 Gobinath, P., Packialakshmi, P., Daoud, A., Alarifi, S., Idhayadhulla, A., Radhakrishnan, S. 2020 Molecules (Basel, Switzerland) 25(24)

10. Tel-Cu-NPs catalyst: Synthesis of naphtho[2,3-g]phthalazine derivatives as potential inhibitors of tyrosinase enzymes and their investigation in kinetic, molecular docking, and cytotoxicity studies Selvaraj, K., Daoud, A., Alarifi, S., Idhayadhulla, A. **2020** Catalysts 10(12), pp. 1-14 (IF: 4.1)

11. Antimicrobial activity of novel 5-benzylidene-3-(3-phenylallylideneamino)imidazolidine-2,4-dione derivatives causing clinical pathogens: Synthesis and molecular docking studies Ali, D., Alarifi, S., Chidambaram, S.K., Radhakrishnan, S.K., Akbar, I. Journal of Infection and Public Health, **2020**,13(12), pp. 1951-1960 (IF: 3.7)

12. In silico molecular docking: Evaluation of coumarin based derivatives against SARS-CoV-2 Chidambaram, S.K., Ali, D., Alarifi, S., Radhakrishnan, S., Akbar, I. Journal of Infection and Public Health, **2020** 13(11), pp. 1671-1677. (IF: 3.7)

13. 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* SathishKumar, C., Keerthana, S., Ahamed, A., Arif, I.A., SurendraKumar, R., Idhayadhulla, A. *ChemistrySelect*, 2020, 5(15), pp. 4567-4574 (IF: 2.1)

14. 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. *BioMed Research International* **2020**, <https://doi.org/10.1155/2020/8872479> (IF:3.4)

15. 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 Idhayadhulla*, **2020**, *Drug Design, Development and Therapy* 14, pp. 4477-4492 (IF: 4.1)

16. Cytotoxic, larvicidal, nematicidal, and antifeedant activities of piperidin-connected 2-thioxoimidazolidin-4-one derivatives Arif, I.A., Ahamed, A., Kumar, R.S., Idhayadhulla, A., Manilal, A. 2019, *Saudi Journal of Biological Sciences* 26(4), pp. 673-680

17. Effective synthesis of some novel pyrazolidine-3,5-dione derivatives via Mg(II) catalyzed in water medium and their anticancer and antimicrobial activities Moydeen, M., Kumar, R.S., Idhayadhulla, A., Manilal, A. 2019, *Molecular Diversity* 23(1), pp. 35-

18. 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. 2019, RSC Advances 9(44), pp. 25533-25543
19. 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. 2019, Journal of Herbs, Spices and Medicinal Plants 25(4), pp. 389-400
20. Evaluation of antioxidant and anticancer activities of chemical constituents of the *Saururus chinensis* root extracts Alaklabi, A., Arif, I.A., Ahamed, A., Surendra Kumar, R., Idhayadhulla, A. 2018 Saudi Journal of Biological Sciences 25(7), pp. 1387-1392
21. 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. 2018 Saudi Journal of Biological Sciences 25(6), pp. 1227-1235
22. Synthesis of novel pyridine-connected piperidine and 2H-thiopyran derivatives and their larvicidal, nematocidal, and antimicrobial activities Ahamed, A., Arif, I.A., Kumar, R.S., Idhayadhulla, A., Keerthana, S.R., Manilal, A. 2018 Journal of the Mexican Chemical Society 62(4), pp. 135-147

23. 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. 2018 *Acta Microbiologica Hellenica* 63(1), pp. 51-64
24. Efficient Synthesis of Novel 3-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 Moydeen, M., Al-Deyab, S.S., Kumar, R.S., Idhayadhulla, A. 2017, *Journal of Heterocyclic Chemistry* 54(6), pp. 3208-3219
25. Synthesis of novel three compound imidazole derivatives via Cu(II) catalysis and their larvicidal and antimicrobial activities Alaklab, A., Surendra Kumar, R., Ahamed, A., Arif, I.A., Manilal, A., Idhayadhulla, A. 2017, *Monatshefte fur Chemie*, 148(2), pp. 275-290
26. 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. 2017, *Bioorganic and Medicinal Chemistry Letters* 27(1), pp. 66-71
27. 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. 2016, *Tropical Journal of Pharmaceutical Research* 15(11), pp. 2383-2390

28. Anti-inflammatory and antimicrobial activities of novel pyrazole analogues Surendra Kumar, R., Arif, I.A., Ahamed, A., Idhayadhulla, A. 2016 Saudi Journal of Biological Sciences 23(5), pp. 614-620
29. Re₂O₇ -catalyzed formal [3 + 2] cycloaddition for diverse naphtho[1,2-b]furan-3-carboxamides and their biological evaluation Xia, L., Idhayadhulla, A., Lee, Y.R. 2016 Molecular Diversity 20(1), pp. 17-28
30. 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. 2016 International Journal of Pharmacology 12(4), pp. 290-303
31. Anti-Inflammatory Activity of New Series of 1,4-Dihydropyridine Derivatives Idhayadhulla, A., Kumar, R.S., Nasser, A.J.A., Kavimani, S., Indhumathy, S. 2015 Pharmaceutical Chemistry Journal 49(7), pp. 463-466
32. Nematicidal, larvicidal and antimicrobial activities of some new mannich base imidazole derivatives Chen, X., Lee, S.W., Idhayadhulla, A., Kumar, R.S., Manilal, A. 2015 Tropical Journal of Pharmaceutical Research 14(8), pp. 1435-1443
33. Synthesis and biological evaluation of diverse tetrahydrobenzofuran-4-ones as potent antibacterial agents Xia, L., Idhayadhulla, A., Lee, Y.R., Kim, S.H., Wee, Y.-J. 2015 Journal of Industrial and Engineering Chemistry 22, pp. 378-383

34. Evaluating the antibacterial potential of *Streptomyces* sp. Sugathan, S., Manilal, A., Gezmu, T., Merdekios, B., Selvin, J., Tsalla, T., Idhayadhulla, A., Kadaikunnan, S. 2015 *Translational Biomedicine* 6(1)
35. Environmental biotoxicity screening of some pyrrole and 1,4-dihydropyridine heterocyclic derivatives Idhayadhulla, A., Manilal, A., Merdekios, B., Surendra Kumar, R. 2015 *Journal of Applied Pharmaceutical Science* 5(5), pp. 101-105
36. Synthesis and evaluation of antimicrobial activity of novel 3-[[1-pyridin-2-ylmethylene]amino]-2-thioxoimidazolidin-4-one analogues Karthikeyan, R., Idhayadhulla, A., Manilal, A., Merdekios, B., Kumar, R.S., Nasser, A.J.A. 2015 *Der Pharmacia Lettre* 7(4), pp. 198-204
37. An in vitro antagonistic efficacy validation of *Rhizophora mucronata* Manilal, A., Merdekios, B., Idhayadhulla, A., Muthukumar, C., Melkie, M. 2015 *Asian Pacific Journal of Tropical Disease* 5(1), pp. 28-32
38. Anti-tyrosinase, antioxidant, and antibacterial activities of novel 5-hydroxy-4-acetyl-2,3-dihydronaphtho[1,2-b]furans Xia, L., Idhayadhulla, A., Lee, Y.R., Wee, Y.-J., Kim, S.H. 2014 *European Journal of Medicinal Chemistry* 86(1), pp. 605-612
39. Anti-tyrosinase, antioxidant, and antibacterial activities of novel 5-hydroxy-4-acetyl-2,3-dihydronaphtho[1,2-b]furans Xia, L., Idhayadhulla, A., Lee, Y.R., Wee, Y.-J., Kim, S.H. 2014 *European Journal of Medicinal Chemistry* 86, pp. 605-612

40. Preparation of Au and Ag nanoparticles using *Artemisia annua* and their in vitro antibacterial and tyrosinase inhibitory activities Basavegowda, N., Idhayadhulla, A., Lee, Y.R. 2014 *Materials Science and Engineering C* 43, pp. 58-64
41. Tyrosinase inhibitory activity of silver nanoparticles treated with *Hovenia dulcis* fruit extract: An in vitro study Basavegowda, N., Idhayadhulla, A., Lee, Y.R. 2014 *Materials Letters* 129, pp. 28-30
42. Microwave-assisted synthesis of diverse pyrrolo[3,4- c]quinoline-1,3- diones and their antibacterial activities Xia, L., Idhayadhulla, A., Lee, Y.R., Kim, S.H., Wee, Y.-J. 2014 *ACS Combinatorial Science* 16(7), pp. 333-341
43. Synthesis of some Mannich base derivatives and their antimicrobial activity study Idhayadhulla, A., Surendra Kumar, R., Abdul Nasser, A.J., Selvin, J., Manilal, A. 2014 *Arabian Journal of Chemistry* 7(6), pp. 994-999
44. Synthesis of novel and diverse 1, 4-dihydropyridine analogues and their antimicrobial and anticancer activities Surendra Kumar, R., Manilal, A., Jamal Abdul Nasser, A., Merdekios, B., Chen, X., Idhayadhulla, A. 2014 *Journal of Pharmacology and Toxicology* 9(3), pp. 119-128
45. Antioxidant and antibacterial evaluation of synthetic furomollugin and its diverse analogs Xia, L., Idhayadhulla, A., Lee, Y.R., Kim, S.H., Wee, Y.-J. 2014 *Medicinal Chemistry Research* 23(7), pp. 3528-3538

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47. Phyto-synthesis of gold nanoparticles using fruit extract of *Hovenia dulcis* and their biological activities Basavegowda, N., Idhayadhulla, A., Lee, Y.R. 2014 *Industrial Crops and Products* 52, pp. 745-751
48. Potential in vitro antimicrobial efficacy of *Holigarna arnottiana* (Hook F) Manilal, A., Idhayadhulla, A. 2014 *Asian Pacific Journal of Tropical Biomedicine* 4(1), pp. 25-29
49. Synthesis of some new pyrrole and pyridine derivatives and their antimicrobial, anticancer activities Idhayadhulla, A., Kumar, R.S., Nasser, A.J.A., Manilal, A. 2013 *International Journal of Biological Chemistry* 7(1), pp. 15-26
50. Synthesis and anticonvulsant activity of some new series of pyrrole derivatives Idhayadhulla, A., Kumar, R.S., Nasser, A.J.A., Kavimani, S., Indumathy, S. 2012 *Medicinal Chemistry Research* 21(11), pp. 3699-3708
51. Synthesis and antimicrobial activity of some new pyrrole derivatives Idhayadhulla, A., Kumar, R.S., Nasser, A.J.A., Manilal, A. 2012 *Bulletin of the Chemical Society of Ethiopia* 26(3), pp. 429-435

52. Synthesis of new series of pyrazole and imidazole derivatives and their antimicrobial activity Idhayadhulla, A., Surendra Kumar, R., Jamal Abdul Nasser, A. 2012 *Acta Chimica Slovenica* 59(2), pp. 405-412

53. Evaluating the antagonistic potential of seaweed-associated marine bacteria collected from the southwest coast of India Sugathan, S., Manilal, A., Selvin, J., Idhayadhulla, A., Kumar, R.S., Panikkar, M.V.N. 2012 *Asian Journal of Animal and Veterinary Advances* 7(7), pp. 578-587

54. Synthesis of some pyrrole derivatives and their anticoagulant activity Idhayadhulla, A., Surendra Kumar, R., Jamal Abdul Nasser, A., Manilal, A. 2012 *American Journal of Drug Discovery and Development* 2(1), pp. 40-49

55. Biopotentials of marine alga, *Lobophora variegata* collected from the south Indian littoral | [Potenciales biológicos del alga marina *Lobophora variegata* recogida en el litoral del sur de la India] Manilal, A., Selvin, J., Thajuddin, N., Sujith, S., Panikkar, M.V.N., Idhayadhulla, A., Kumar, R.S. 2012 *Thalassas* 28(1), pp. 47-55

56. Synthesis, characterization and antimicrobial activity of new pyrrole derivatives Idhayadhulla, A., Kumar, R.S., Nasser, A.J.A. 2011 *Journal of the Mexican Chemical Society* 55(4), pp. 218-223

57. Synthesis of some new pyrrole derivatives and their antimicrobial activity Idhayadhulla, A., Surendra Kumar, R., Jamal Abdul Nasser, A., Manilal, A. 2011 *Der Pharma Chemica* 3(4), pp. 210-218

58. Synthesis and antimicrobial activity of some new mannich base derivatives Idhayadhulla, A., Surendra Kumar, R., Jamal Abdul Nasser, A., Manilal, A. 2011 *Journal of Chemical and Pharmaceutical Research* 3(4), pp. 904-911
59. Synthesis and anticancer activity of some new series of 1, 4-dihydropyridine derivatives Surendra Kumar, R., Idhayadhulla, A., Jamal Abdul Nasser, A., Murali, K. 2011 *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry* 50(8), pp. 1140-1144
60. In vitro mosquito larvicidal activity of marine algae against the human vectors, *Culex quinquefasciatus* (say) and *Aedes aegypti* (linnaeus) (diptera: Culicidae) Manilal, A., Thajuddin, N., Selvin, J., Idhayadhulla, A., Kumar, R.S., Sujith, S. 2011 *International Journal of Zoological Research* 7(3), pp. 272-278
61. Synthesis and anticoagulant activity of a new series of 1,4-dihydropyridine derivatives Kumar, R.S., Idhayadhulla, A., Abdul Nasser, A.J., Selvin, J. 2011 *European Journal of Medicinal Chemistry* 46(2), pp. 804-810
62. Synthesis and antimicrobial activity of a new series of 1,4-dihydropyridine derivatives Kumar, R.S., Idhayadhulla, A., Nasser, A.J.A., Selvin, J. 2011 *Journal of the Serbian Chemical Society* 76(1), pp. 1-11
63. Synthesis and anticonvulsant activity of a new series of 1,4-dihydropyridine derivatives Surendra Kumar, R., Idhayadhulla, A., Jamal Abdul Nasser, A., Kavimani, S., Indumathy, S. 2010 *Indian Journal of Pharmaceutical Sciences* 72(6), pp. 719-725

64. Synthesis and characterization of new series of imidazolidin-2,4-dione derivatives and its antimicrobial activity Kumar, R.S., Idhayadhulla, A., Nasser, A.J.A., Selvin, J. 2010 *Oriental Journal of Chemistry* 26(4), pp. 1425-1430
65. Synthesis and biological activities of new series of Imidazolidin-2,4-dione Derivatives Nasser, A.J.A., Idhayadhulla, A., Kumar, R.S., Selvin, J. 2010 *Asian Journal of Chemistry* 22(8), pp. 5853-5858
66. Ethyl 3,5-dimethyl-4-[(4-phenyl-1,3-thiazol-2-yl)carbamoyl]-1H-pyrrole-2-carboxylate Idhayadhulla, A., Kumar, R.S., Nasser, A.J.A. 2010 *MolBank* 2010(2), pp. 1-6
67. Optimization and characterization of rhamnolipid biosurfactant from sponge associated marine fungi *Aspergillus* sp. MSF1 Kiran, G.S., Thajuddin, N., Hema, T.A., Idhayadhulla, A., Kumar, R.S., Selvin, J. 2010 *Desalination and Water Treatment* 24(1-3), pp. 257-265
68. Synthesis of some 2-Thioxo-imidazolidin-4-one derivatives and its antimicrobial activity Nasser, A.J.A., Idhayadhulla, A., Kumar, R.S., Selvin, J. 2010 *E-Journal of Chemistry* 7(4), pp. 1320-1325
69. Synthesis and antimicrobial activity of some 2-thioxo-imidazolidin-4-ones Jamal Abdul Nasser, A., Idhayadhulla, A., Surendra Kumar, R., Selvin, J. 2009 *Indian Journal of Heterocyclic Chemistry* 18(4), pp. 399-400

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20. DETAILS OF PARTICIPATION

Workshop(s)					
1	Green Chemistry workshop for undergraduate teachers	MHRD	IISER	Pune	6 th to 8 th , November 2017
2	Theory and hands on experience on 3 dimensional structure determination of derud/drug like molecules using x-ray crystallography	CSIR & ICMR	Gandhidhigra m Rural University		14 th and 15 th March 2008.
3	National Workshop on Advances Techniques for corrosion studies	CECRI	Alagappa University	Karaikud i.	05/01/2006 to 07/01/2006

21. DETAILS OF PROFESSIONAL DEVELOPMENT

(Orientation / Refresher Course / FDP / Short Term Course / Online Course)

<p>Orientation Programme</p> <p>UGC- Sponsored Orientation programme -118th, UGC-HRDC Bharathiyar University , 17-11-2017 to 14-12-2017</p>
<p>Faculty Development Programme</p> <p>(1) Faculty Development Programme , Student Skills: Mentoring and counselling, Nehru Memorial college, Under the aegis of UGC autonomous Grant, 30th May 2019</p> <p>(2) Faculty Development Programme, Online Teaching, Learning and Evaluation, 10th & 11th August, 2020.</p>
<p>Short Term Course(s)</p> <p>(i) Advanced Training Institute, Government of India, Ministry of Labour & Employment , Directorate General of Employment and Training , Chennai, Course of training in Spectro Photometric Analysis (UV-VISIBLE), from 06-9-2004 to 10-9-2004.</p> <p>(ii) Advanced Training Institute, Government of India, Ministry of Labour & Employment , Directorate General of Employment and Training , Chennai, Course of training in Chromatographic analysis (Gas Chromatography), from 27-9-2004 to 01-10-2004</p>