



NEHRU MEMORIAL COLLEGE

(Autonomous, Accredited with 'A' Grade by NAAC & Affiliated to Bharathidasan University, Tiruchirappalli)

Puthanampatti-621007, Tiruchirappalli- District

STAFF PROFILE

NAME OF THE STAFF : DR. K. SARAVANAN,
DESIGNATION : ASSISTANT PROFESSOR &
ASSOCIATE DEAN OF ACADEMIC
AFFAIRS
DEPARTMENT : ZOOLOGY



CONTACT INFORMATION

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ACADEMIC QUALIFICATIONS

DEGREE	COLLEGE/UNIVERSITY	YEAR OF PASSING/ AWARDED
B. Sc Zoology	A.V.C. College (Autonomous) (Affiliated to Bharathidasan University, Trichy) Mannampandal, Mayiladuthruai.	1992
M.Sc Wildlife Biology	A.V.C. College (Autonomous) (Affiliated to Bharathidasan University, Trichy) Mannampandal, Mayiladuthruai.	1994
Ph.D	A.V.C. College (Autonomous) (Affiliated to Bharathidasan University, Trichy) Mannampandal, Mayiladuthruai.	2002
M.Sc Bioinformatics	Annamalai University, Annamali Nagar, Chidambaram.	2007

TEACHING EXPERIENCE = 18+ Years

S. No.	Institution	Duration	No. of Years	
			UG	PG
1	Assistant Professor of Zoology Nehru Memorial College (Autonomous) Puthanampatti, Trichy.	21.03.2011 to till date	9 Years	-
2	Lecturer in Zoology Nehru Memorial College (Autonomous) Puthanampatti, Trichy.	19.07.2004 to 20.03.2011	7 Years 8 Months	7 Years 8 Months
2.	Lecturer in Biochemistry Sri Ragavendra Arts and Science College, Keezha Moongiladi, Chidambaram.	01.06.2003 to 16.07.2004	01 Year	-
3.	Lecturer in Zoology A.V.C. College Mannampandal, Mayiladuthruai.	26.08.2002 to 21.04.2003	10 Months	10 Months
4.	Resource Person Department of Zoology (DDE) Annamalai University Chidambaram.	01.06.2002 to- 20.08.2002	-	5 Months
Total			17 Years 6 Months	9 Years 1 Month

RESEARCH EXPERIENCE = 25 + Years

- Worked as a **Project Assistant** in UGC Major Research Project from 01.03.1995 to 28.02.1999 at PG & Research Dept. of Zoology, A.V.C. College, Mannampandal-609305, Mayiladuthurai.
- Completed 1 UGC Major Research Project (3.5 Years).
- Supervising and guiding Ph.D Scholars from 2006 onwards.
- Supervising and guiding M.Phil Scholars.
- Guided M.Sc Research Projects from 2005 to 2011.

AREA OF RESEARCH

- Environment and Natural Drug Research
- Rodent Pest Management

RESEARCH GUIDANCE (in numbers)

Program of Study		Completed	Ongoing
Research	Ph.D	8	2
	M. Phil.	35	5
Project	M.Sc	30	-
	B.Sc	4	-

PUBLICATIONS (In Numbers)

Journals		Proceedings		Books	Book Chapters
International	National	International	National		
35	23	7	5	4	7
Cumulative Impact Factor (as per JCR)				87.02	
h-index				6	
i10 index				5	
Total Citations				208	

PAPER PRESENTATIONS

Events	International	National	State	Regional
Conference(s)	10	5	-	-
Seminar(s)	5	15	-	-

PARTICIPATION				
Events	International	National	State	Local
Conferences	5	1	-	
Seminars	1	8	3	3
Workshops	-	7	8	8
Symposiums	2	4	-	-
Training programme	-	4	-	-
TOTAL	3	20	-	-
PROFESSIONAL DEVELOPMENT (In Numbers)				
Orientation Programme(s)	Refresher Course(s)	Faculty Development Programme(s)	Short Term Course(s)	Online Course
2	3	7	1	-
FUNDED RESEARCH PROJECTS				
<ul style="list-style-type: none"> Received a Major Research Project from UGC, New Delhi with a worth of 8.9 lakhs and successfully completed. 				
LIST OF COMPLETED PROJECT				
S. No.	Agency	Period	Project Title	Grant Received (Rs.)
1.	University Grants Commission (UGC), New Delhi.	01.06.2012 to 31.12.2015	Isolation, Characterization and Evaluation of Antidiabetic Effect of Traditionally used Herbal Plants	8.995 Lakhs
AWARDS AND RECOGNITION				
S.No	Name of Award	Awarding agency	Year	
1	Educationalist-Professional Award-2020	The Society for Innovative Educationalist and Scientific Research Professional, Chennai.	2020	
2	Har Gobind Khorana Best Scientist Award-2016	Bose Science Society, Pudukottai	2016	
3	CSIR SRF (EXT) – 2002	CSIR, New Delhi	2002	

RECOGNITION				
S.No	RECOGNITION	AGENCY		PERIOD
1	Recognized as Member of Expert for Assessing Swachhta Ranking of Higher Education Institutions Initiative at PSG College of Arts and Science, Coimbatore.	UGC (South Western Region) Bangalore		04.09.2019
2	Recognized as Member of Expert for Assessing Swachhta Ranking of Higher Education Institutions Initiative at KG College of Arts and Science, Coimbatore.	UGC (South Western Region) Bangalore		04.09.2019
3	Recognized as Chief Examiner for conducting TNPSC Group IV Examination.	Tamilnadu Public Service Commission (TNPSC), Chennai.		11.02.2018
4	Recognized as Chief Examiner for conducting TNPSC Group IV Examination.	Tamilnadu Public Service Commission (TNPSC), Chennai.		15.09.2019
5	Recognized as Additional Chief Superintendent for Autonomous Examinations November 2019.	Nehru Memorial College (Autonomous), Puthanamapatti.		22.10.2019
6	Recognized as Camp Officer for Central Valuation of Autonomous Examinations November 2019.	Nehru Memorial College (Autonomous), Puthanamapatti.		November 2019
EVENTS ORGANIZED				
S.No	Name of the programme	Leading Role	Name of the Resource Person	Date of the event
1	Special lectures on “Charles Darwin Birth Day Lecture”	Organizing Secretary	Mr. P. Sahasranamam State Committee Member Tamilnadu Science Forum. Salem.	22.2.2020
2	Special lectures on “less Conspicuous but Earth Shattering Impacts of Biodiversity and Climate Change Interactions”	Organizing Secretary	Dr.V.I.Paul Professor & Head Dept. Of Zoology, Annamalai University. Chidambaram.	9.8.2019
3	Special Lecture on “Indigenous Cowpathy is Safe guarding to Human Health”	Organizing Secretary	Dr. V. Nithya Assistant Professor Algappa University, Karaikudi.	20.2.2019

S.No	NAME OF THE PROGRAMME	LEADING ROLE	NAME OF THE RESOURCE PERSON	DATE OF THE EVENT
4	Special Lecture on “Stem Cell & Regeneration Biology”	Organizing Secretary	Dr. S. Sudhakar Professor & Head Dept. of Biotechnology, MS University, Tirunelveli	1.12.2017
5	Special Lectures on “Dengue Fever: Prevention and Treatment”	Organizing Secretary	Dr. S. Kamaraj, District Siddha Medical Officer, Trichy	12.10.2017
6	Special lecture on “Biodiversity of Bats”	Organizing Secretary	Dr. V. Elangovan Associate Professor Dept. of Applied Animal Sciences, Babasaheb Bhimaroo Ambedkar, Central University, Lucknow.	29.12.2016
7	Special Lecture on “Think Slow”	Organizing Secretary	Dr.A.H.Van der Lugt Associate Professor Maastricht University, Netherlands.	29.11.2016
8	Special Lecture on “Biodiversity in Andaman Nicobar Islands”	Organizing Secretary	Dr. Sivaperuman, Scientist, ZSI, Andaman Nicobar Islands, Port Blair.	15.3.2013
9	Special lecture on “Genetic Disorders with Vitamin Transport and Metabolism”	Organizing Secretary	Dr. B. Ashokkumar Assistant Professor, School of Biotech., M.K University, Madurai.	28.7.2016
10	Special Lecture on “Status of Asiatic Elephants”	Organizing Secretary	Dr. N. Baskar, Asst. of Wildlife Biology, AVC College, Mannampandal.	03.09.2015.
11	Special lecture on “Snake Bite and Treatment”	Organizing Secretary	Dr. P. Kannan Assistant professor Dept. of Zoology & Wildlife Biology Govt. Arts College, Ooty, The Nilgiris.	8.2.2013
12	Special Lecture on “Recent Trends in Aquatic Biotechnology”	Organizing Secretary	Dr. R. Thrumurugan, Professor & COE, Bharathidasan University, Trichy.	26.2.2013

S.No	NAME OF THE PROGRAMME	LEADING ROLE	NAME OF THE RESOURCE PERSON	DATE OF THE EVENT
13	Special Lecture on “Metabolic disorders”	Organizing Secretary	Dr. R. Senthilkumar, Asst. Prof. Dept. of Biochemistry Rajah Serfoji College for Arts and Science, Thanjavur.	11.10.2014
14	Special Lecture on “Stress management”	Organizing Secretary	Dr. Chellam Balasubramanian, Professor, Bharathidasan University, Trichy	2013
14	Special lecture on “Poultry Farming”	Organizing Secretary	Dr. C. Edwin Professor & Head, Dept. of Poultry Science Veterinary College and Research Institute, Namakkal.	15.2.2012
15	Special lecture on “Protein Structure prediction Analysis”	Organizing Member	Dr. Selvaraj Assistant professor, Department of Bioinformatics Bharathidasan Univ. Trichy.	02.02. 2012
16	Special Lecture on “Fish Disease and its Management”	Organizing Secretary	Dr. G. Bupesh Assistant Professor Bharathidasan University, Trichy	29.7.2011
17	Special Lecture on “Mosquito Control”	Organizing Secretary	Dr. A. Jabanesan Professor of Zoology, Annamalai University, Chidambaram.	18.03.2010
18	Special Lecture on “Fish culture”	Organizing Secretary	Dr. AV. Muralidharan Asst. Prof of Zoology, Annamalai University, Chidambaram.	10.3.2010
19	Five days Workshop and Lecture on “Biostatistics”	Organizing Secretary	Dr. Nagarajan, Asst. Prof of Zoology, AVC College, Mannampandal.	14.12.2008 to 19.12.2008

SEMINAR/CONFERENCES/TRAINING PROGRAMME ORGANIZED = 6

S.No	NAME OF THE EVENT	LEADING ROLE	FUNDING AGENCY (Amount Sanctioned)	PERIOD
1	International Conference on Molecular Advances In Biomedical Research (ICMABR-18)	Organizing Secretary	ICMR, New Delhi (Rs.40000/-) Syndicate Bank, (Rs.10,000)	9.2.2018 & 10.2.2018
2	International Conference on Conservation of Natural Resources & Inauguration of 100 th Chapter of OISCA- International South India at Trichy.	Organizing Secretary	UGC, New Delhi (Rs.50,000) Tamilnadu Forest Department. Trichy Vijay Cements, Vellakkalpatti. (Rs.10,000)	17. 9.2016
3	National Seminar on Recent Trends in Biological Sciences	Organizing Secretary	UGC, New Delhi (Rs.50,000)	7.3.2013 to 8.3. 2013
4	Creation of Scientific Awareness Programme on Spirulina Culture, Apiculture and Ornamental fish Culture for Rural Students”	Coordinator	Tamilnadu State Council for Science and Technology (TNSCST), Chennai. (Rs.60,000)	7.7.2014
5	“Creation of Scientific Awareness Programme on Spirulina Culture, Apiculture and Ornamental fish Culture for Self help group member	Coordinator	Tamilnadu State Council for Science and Technology (Rs.60,000)	8.7.2014
6	“Creation of Scientific Awareness Programme on Spirulina Culture, Apiculture and Ornamental Fish Culture for Farmers”	Coordinator	Tamilnadu State Council for Science and Technology (Rs.60,000)	9.7.2014

ACADEMIC/ADMINISTRATIVE RESPONSIBILITIES HELD

1. Warden, MGC Boys Hostel, Nehru Memorial College, Puthanampatti from 2009 to till date.
2. Associate Dean of Academic Affairs from 2018 from till date.
3. Camp officer for UG Centre Valuation, Nehru Memorial College, Puthanampatti during November 2019.

4. Additional Chief Superintendent for conducting Autonomous Examinations 2019 for UG/PG, Nehru Memorial College, Puthanampatti.
5. Nodal Officer, AISHE & National institute Ranking frame work (NIRF) from 2019 to till date
6. Criterion leader for NAAC (7TH Criteria: Institutional Values and Best practices) from 2018.
7. Member, Anti-ragging committee from 2017 to till date.
8. Member, Student Grievances Redressal Cell, Nehru Memorial College from 2018.
9. Editorial Member, The Rose, College Magazine from 2009 to till date.
10. Acted as Chief Examiner for TNPSC examinations.
11. Acted as MQAC – Member from 2012-2015.
12. NSS Programme Officer from August 2008 to 2014.
13. Deputy Warden, Highland Hostel, Nehru Memorial College, Puthanampatti from 2004 to 2009.

SERVED AS A RESOURCE PERSON (INVITED TALKS / GUEST LECTURES)

S.No.	Name of the Institution	Role	Topic	Served as experts Chairpersons or Resource person
1	MVM Govt. College for Women, Dindigul.	Guest Lecture	Birth defects	Resource Person
2	Holy Cross College (Autonomous) Trichy	Guest Lecture	Birth defects	Resource Person
3	Raja Serfoji College (Autonomous) Thanjavur	Seminar	Bioinformatics: An overview	Resource Person
4	Jamal Mohamed College (Autonomous) Trichy.	Intercollegiate Competition	Animalia	Judge
5	Agriculture College Annamalai University Chidambaram	Guest Lecture	Rodent Control Methods	Resource Person
6	Department of Agriculture Govt. of Tamilnadu, Mayiladuthurai.	Guest Lecture	Rodent Control Methods	Resource Person
7	Rice Research Institute, Aduthurai & Tamil nadu Agricultural University, Coimbatore.	Guest Lecture	Rodent control Campaign	Resource Person

DETAILS OF MEMBERSHIP				
EDITORIAL BOARD		1. Editorial Committee Member, Indian Journal of Natural Science (ISSN: 0976-0997). 2. Editorial Member, The Rose Annual Magazine, Nehru Memorial College, Puthanampatti.		
REFEREE (PEER REVIEWED JOURNAL)				
1. Asian Pacific Journal of Reproduction. 2. Journal of Threatened Taxa. 3. Journal of Medicinal Plant Research. 4. Journals of Premier publishers.				
ACADEMIC BODIES				
1. Academic Council Member , Nehru Memorial College Puthanampatti, from 2019 to till date. 2. Teacher Representative for Academic Council , Nehru Memorial College, Puthanampatti from 2017 to 2019. 3. Academic Council Member , Nehru Memorial College Puthanampatti from 2009 to 2011. 4. Member, UG Board of Studies (B.Sc Zoology) , Nehru Memorial College, Puthanampatti from 2006 to till date. 5. Member, PG Board of Studies (M.Sc Zoology) , Nehru Memorial College, Puthanampatti from 2006 to till date.				
PROFESSIONAL BODIES				
1. Member, OISCA- International, Tokyo, Japan. 2. Indian Society of Systems for Science and Engineering (ISSE), Coimbatore. 3. Member, Bose Science Society, Pudukkottai. 4. Life member in the Rodent Biological Society. 5. Life member in the Society for Applied Ornithology Society. 6. Member in Ethological Society of India.				
EXTENSION ACTIVITIES				
S. No	Title	Place	Date	Beneficiaries
1	Distribution of Nilavembu Kasayam jointly organized by Dept. of Siddha, Govt. Hospital, Omandur.	Nehru Memorial College, Puthanampatti.	10.12.2015	College Students (2500)
2	Creation of Scientific Awareness Programme on Spirulina Culture, Apiculture and Ornamental fish Culture for Rural Students, Self-help groups	Nehru Memorial College, Puthanampatti	07.07.2014 to 09.07.2014	School Students (+2), Self-help groups and Farmers. (150)

CONSULTANCY SERVICES RENDERED

1. Analyzed antioxidant activities in hens blood sample for M/s. Suguna Feeds (P) Ltd, Coimbatore. They paid Rs. 10000 for consulting charges. Shared the amount with management as 40:60%.
2. Studied antidiabetic activity of the herbal plants for PG students of Holy Cross College (Autonomous), Trichy. They Paid 5000 for consulting charges. (Shared the amount with management as 40:60%).

OTHER ACADEMIC ACTIVITIES

Articles published in Newspaper(s) / Magazine(s)	1
Products Developed	Production of Spirulina from wastewater to be used as supplement feed for cattle.
Number of M.Phil. thesis evaluated	10
Number of Doctoral Committee Member in other college	7

DETAILS OF RESEARCH GUIDANCE**List of Ph.D Awarded Under My Guidance (8 candidates)**

S. No.	Name	Title of thesis	Year of award
1	C. Renuka	Effect of <i>Biophytum sensitivum</i> extracts in the treatment of experimental diabetic albino rats.	2012
2	S. Elavarasi	Evaluation of Antidiabetic Potential of Traditionally Used Medicinal Plants, <i>Cyathea nilgiriensis</i> (Holttum) and <i>Pterocarpus marsupium</i> Roxb. in Streptozotocin (STZ) induced Diabetic Rat Model.	2015
3	G. Priya	Evaluation of reproductive inhibitory effect of <i>Abrus precatorius</i> L. and <i>Thespesia populnea</i> (L.) in albino rat (<i>Rattus norvegicus</i>) and a few selected rodent pests [<i>Mus booduga</i> (Gray) and <i>Bandicota bengalensis</i> (Gray)].	2016
4	M.P. Santhi	Isolation and identification of anticancer compounds from <i>Biophytum sensitivum</i> and their evaluation against liver (HEPG-2) and cervical (HELA) cancer cell lines.	2016
5	G. Revathi	Evaluation of antidiabetic activity of traditionally used polyherbal drug and drug loaded chitosan nanoparticles on STZ induced diabetic rat model.	2016
6	P.Karuppannan	Evaluation of antidiabetic activity of red creeper (<i>Ventilago maderaspatana</i> Gaertn) of streptozotocin induced diabetic albino rat (<i>Rattus norvegicus</i>).	2018
7	G. Manjula	Comparative evaluation of preservation techniques on physic-chemical and nutritional qualities of chicken egg.	2018
8	R. Arul Priya	Phytochemistry and Anti-breast cancer activity of flavonoid rich plants against MCF-7 Cell lines under <i>in vitro</i> and <i>in silico</i> conditions.	2019

M. Phil. (Completed)			
S. No.	Name	Title of thesis	Year of award
1	C. Renuka	Antidiabetic activity of <i>Trigonella foenum-graecum</i> on alloxan induced diabetic albino rats	2006
2	P. Sudha	Anti-dandruff activity of a few selected herbal plant extracts and anti-dandruff shampoos against <i>Malassezia furfur</i>	2007
3	Maheshwari	Antidiabetic effect of <i>Biophytum sensitivum</i> in alloxan induced diabetic albino rats	2007
4	R. Revathi	Antifertility effect of <i>Cassia fistula</i> leaf extract on male albino rats	2008
5	C. Meenakshi	Antiulcer activity of <i>Alternanthera sessilis</i> induced gastric ulcer in albino rats	2009
6	Thenmozhi	Antibacterial activity of the extracts of polyphorous sp. Against a few selected bacterial species	2009
7	P. Sivabakiyam	Immunostimulatory effect of amla powder extract on tilapia fish (<i>Oreochromis mossambicus</i>)	2010
8	S. Elavarasi	Immunostimulatory effect of lemon epicarp extract on tilapia fish (<i>Oreochromis mossambicus</i>)	2010
9	S. Suganya	Studies on prevalence of tobacco related/non-related products and alcohol usage among the rural people with reference to incidence of cancer, and anticancer activity of <i>Cissus quadrangularis</i> against breast cancer cell lines (MCF-7)	2010
10	S. Umananthini	Evaluation of antidandruff activity of <i>Cassia alata</i> leaf extracts on <i>Malassezia furfur</i>	2010
11	P. Sivasakthi	Antibacterial activity of <i>Cassia alata</i> against selected bacterial strains	2010
12	G. Revathi	Antiulcer activity of carrot (<i>Daucus carota</i>) and radish (<i>Raphanus sativus</i>) in albino rat models	2011
13	F. Amala Rani	Prevalence of diabetes mellitus in Thiruthuraiipoondi Taluk, Thiruvarur district, TamilNadu, Southern India	2012
14	N. Kavitha	Antibacterial activity of <i>Nerium indicum</i> against biofilm producing isolates	2012
15	R. Ranjani	Ethnopharmacognosy studies in and around remote hamlets of mullayanagiri and bababudanagiri hills, chikmagalur district, Karnataka	2012
16	V. Balan	Phytoresources as efficient therapeutic agents for cancer prevention and treatment	2013
17	R. Gopinath	Formulation and evaluation of low-cost natural medium for mass production of <i>Spirulina</i> (<i>Spirulina platensis</i>).	2013

18	J. Divya	Assessment of biochemical changes in <i>Oreochromis mossambicus</i> treated with chitosan nanoparticles synthesized from prawn shell	2015
19	G.Tamilselvi	Evaluation of antibacterial and antioxidant activities of <i>Citrullus colocynthis</i> (L) leaves	2015
20	P. Premalatha	Low cost production of spirulina (<i>Spirulina platensis</i>) through treatment of wastewater and utilizing the wastewater irrigation and flushing toilets	2015
21	N. Parvatham	Evaluation of phytochemical constituents and antibacterial activity of <i>Azadirachta indica</i> (Neem) flowers	2016
22	C. Sibikumar	Detoxifying effect of <i>Calotropis gigantea</i> flower extracts on heavy metal exposed tilapia fish (<i>Oreochromis mossambicus</i>)	2016
23	C.Thiruchelvan	Anticataract activity of mint (<i>Mentha arvensis</i> L.) on selenite induced cataract in goat eye lens	2016
24	K. Revathi	Toxic effect of <i>Manihot esculenta</i> leaf extract on housefly (<i>Musca domestica</i>)	2016
25	S. Murugan	Effects of <i>Vachellia nilotica</i> leaf extract against house fly (<i>Musca domestica</i>)	2017
26	T. Kavitha	Anticataract activity of clove (<i>Syzygium aromaticum</i> L.) on selenite induced cataract in goat eye lens	2017
27	A.Vijaykumar	Larvicidal and Pupicidal Effects of <i>Coccinia Grandis</i> Gours Against the Filarial Vector, <i>Culex Quinquefasciatus</i> (SAY)	2017
28	G. Jayalakshmi	Evaluation of Antibacterial Activity of Tremite Species (<i>Odontotermes formosanus</i>) on selected bacterial Strains	2018
29	T.Thanalakshmi	Factors Influencing prevalence of Anaemia Among Adolescent School Students in Ayyampalayam, Trichy District.	2018
30	S. Senthilkumar	Evaluation of larvicidal and Pupicidal Activity of Root Extract of Manihot Esculenta Against Dengue Vector <i>Aedes Aegypti</i> .	2018
31	P.Mahalakshmi	Larvicidal and Pupicidal Activity of Leaf Extract of Manihot Against Dengue transmitting Vector <i>Aedes Aegypti</i> .	2018
32	G.Thenmozhi	Population of Indian Peafowl (<i>Pavo Cristatus</i>)with Special Reference to Evaluation and Impact of pesticides used on Different Crops in Thuraiyur Area of Trichy District, Tamil Nadu, South India.	2019

DETAILS OF PUBLICATIONS

JOURNALS

1. Premalatha P, Saravanan, K. and Karuppanan, P. 2020. Freshwater muscle (Bivalvia: Unionoidae) as a biological and water quality indicator: A review. *International Journal of Ecology, Environment and Conservation*. 2020(2) (in Press)
2. 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>
3. **Umarani, B and Saravanan, K.** 2020. Cytotoxic and Apoptotic Inducing Activity of Ethanol Extract of *Naravelia zeylanica* in Human Breast Cancer Cells. *Indian Journal of Natural Science*. 10(58):18166-18173. <http://www.tnsroindia.org.in/JOURNAL/issue58/ISSUE%2058%20FULL%20TEXT.pdf>
4. Ramesh P. and **Saravanan, K.** 2018. Green Synthesis, Characterization, Antimicrobial and Food Packaging Application of Biocompatible Zinc Oxide Nanoparticles. *Asian Journal of Research in Pharmaceutical Sciences and Biotechnology*. 6(4), 76-86. http://www.ajrpsb.com/article/GREEN%20SYNTHESIS,%20CHARACTERIZATION,%20ANTIMICROBIAL%20AND%20FOOD%20PACKAGING_APPLICATION%20OF%20BIOCOMPATIBLE_ZINC%20OXIDE%20NANOPARTICLES.pdf
5. Revathi, G., Elavarasi, S and **Saravanan. K.** 2019. Innovative methods of Teaching and Learning for Education. *JETIR*. 6(5): 159-163. <http://www.jetir.org/papers/JETIR1905L23.pdf>
6. Revathi, G., Elavarasai, S., and **Saravanan, K.**, 2018. Chronic Toxicity Study of Polyherbal Extract on Albino Rats. *International Journal of Current Advanced Research*. 7(6B): 13226-13230. <http://journalijcar.org/issues/chronic-toxicity-study-polyherbal-extract-albino-rats>
7. Revathi, G., Elavarasai, S., and **Saravanan, K.**, 2018. Phytochemical Screening, GC-MS Analysis and Toxicity Evaluation of Polyherbal Drug. *International Journal of Scientific & Engineering Research*. 9(6):37-45. ISSN 2229-5518. <https://www.ijser.org/onlineResearchPaperViewer.aspx?Phytochemical-screening-and-GC-MS-analysis-of-ethanol-extract-of-polyherbal-drug.pdf>
8. Revathi, G., Elavarasai, S., and **Saravanan, K.**, 2018. Phytochemical Screening and GC-MS Analysis Of Polyherbal Formulation For Diabetes. *Int. J. Adv. Res.* 6(5): 1439-1443. <http://www.journalijar.com/article/23891/phytochemical-screening-and-gc-ms-analysis-of-polyherbal-formulation-for-diabetes/>
9. Revathi, G., Elavarasai, S., and **Saravanan, K.**, 2018. Phytochemical Screening and GC-MS Analysis of Ethanol Extract of Polyherbal Drug. *International Journal of Scientific & Engineering Research*. 9(6):8-12. ISSN 2229-5518. <https://www.ijser.org/onlineResearchPaperViewer.aspx?Phytochemical-screening-and-GC-MS-analysis-of-ethanol-extract-of-polyherbal-drug.pdf>
10. Karuppanan, P., **Saravanan, K** and Santhi, M. P. 2018. Synthesis Characterization of Vitamin C Doped MgS Nanoparticles and Toxicity Assessment against Freshwater Fish *Oreochromis mossambicus*. *Int. J. Pharm. Sci. Rev. Res.*, 50(1):154-159. <http://globalresearchonline.net/journalcontents/v50-1/22.pdf>
11. Renuka, C and **Saravanan, K.** 2018. Antidiabetic Potential of *Biophytum sensitivum* Whole Plant Extracts in STZ Induced Diabetic Rats. *International Journal of Scientific & Engineering Research*. 9(6): 72-77. ISSN 2229-5518. <http://www.ijser.org/onlineResearchPaperViewer.aspx?Antidiabetic-Potential-of-Biophytum-Sensitivum-Whole-Plant-Extracts-in-STZ-Induced-Diabetic-Rats.pdf>

12. Balan, V., **Saravanan, K** and Umarani, B. 2018. Collection and Data-Mining of Bioactive Compounds with Cancer Treatment Properties in the Plants of Rutaceae Family. *International Journal of Scientific & Engineering Research*. 9(6): 82-85. ISSN 2229-5518. <https://www.ijser.org/onlineResearchPaperViewer.aspx?Collection-and-Data-Mining-of-Bioactive-Compounds-With-Cancer-Treatment-Properties-In-The-Plants-of-Rutaceae-Family.pdf>
13. Manjula. G and **Saravanan, K**. 2018. Effect of Environmental Volatility on Health Status of Poultry Birds with Special Reference to Egg Production. *International Journal of Scientific & Engineering Research*. 9(6): 34-36. <https://www.ijser.org/onlineResearchPaperViewer.aspx?Effect-of-Environmental-Volatility-on-Health-Status-of-Poultry-Birds-With-Special-Reference-To-Egg-Production.pdf>
14. Karuppanan, P and **Saravanan, K**. 2018. In Silico Docking of Dibutyl Phthalate Isolated from *Ventilago maderaspatana* for the Treatment of Diabetes Mellitus. *International Journal of Scientific & Engineering Research*. 9(6): 29-32. <https://www.ijser.org/onlineResearchPaperViewer.aspx?In-Silico-Docking-of-Dibutyl-Phthalate-Isolated-from-Ventilago-maderaspatana-for-the-Treatment-of-Diabetes-Mellitus.pdf>
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1. Premalatha, P and **Saravanan, K**. 2017. Molecular docking on Catechin with Oncogene protein (5P21). *Proceedings on National Conference on Computational analysis of molecular data in synergy with biological applications (CAMB-2017)*. 46 (ISBN: 978-9380767-63-5). Bishop Heber College, Trichy.
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3. Arul priya, R and **Saravanan, K**. 2017. Molecular docking of different ligands from *Cucurbita pepo* leaf with oncogene protein (5P21). *Proceedings on National Conference on Computational analysis of molecular data in synergy with biological applications (CAMB-2017)*. 46 (ISBN: 978-9380767-63-5). Bishop Heber College, Trichy
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BOOKS/MANUAL PUBLISHED

S.No.	Title	Authors/Editors Name	Publisher	Year of publication
1.	Drug designing for Diabetes and Cancer: A path to 2030	Saravanan, K. , Chukwuebuka Egbuna, Horne Iona Averal, Kannan S, Elavarasi, S and Bir Bahadur,	CRC Press (Tailor and Francis Group) and Apple Academic Press, USA.	2020 (In press)
2	Phytochemicals as Lead Compounds for New Drug Discovery	Chukwuebuka Egbuna, Timea Polgar, Shashank Kumar Juan Abreu Payrol Cuba Jonathan C Ifemeje and Saravanan Kaliyaperumal	Elsevier, USA	2019
3	Practical Invertebrate Zoology: A Manual for Study of Major Invertebrates	Saravanan K and Revathi G	NMC, Puthanampatti.	2019
4	A Practical Manual of Zoology: Chordata, Cell and Molecular Biology	Saravanan, K. , Santhi, M.P., Elavarasi, S. and Thangamani, R.	Raja Publication, Trichy (ISBN.978-93-80394-97-8.)	2017

BOOK CHAPTERS PUBLISHED

S.No	Book Chapter	Authors	Publication	Year
1	<u>Chapter</u> Antiviral phytocompounds for drug development: A data mining studies.	<u>Authors</u> Saravanan, K , Karuppannan, P, Umarani, B and Premalatha, P.	Elsevier, USA	2019

	<p><u>Book title</u> Phytochemicals as Lead Compounds for New Drug Discovery- Vol - 1</p>	<p><u>Editors</u> Chukwuebuka Egbuna, Timea Polgar, Shashank Kumar, Juan Abreu Payrol, Cuba Jonathan C Ifemeje and Saravanan K</p>		
2	<p><u>Chapter</u> Gas chromatography– mass spectrometry analysis and <i>in vitro</i> anticancer activity of <i>tectona grandis</i> bark extract against human breast cancer cell line (MCF-7)</p> <p><u>Book title</u> Phytochemistry Vol-1: Fundamental, Methods and Application</p>	<p><u>Authors:</u> Arul Priya R., Saravanan K. and Umarani B.</p> <p><u>Editor:</u> Chukwuebuka Egbuna</p>	<p>CRC Press (Tailor and Francis Group) and Apple Academic Press, USA.</p>	2019
3	<p><u>Chapter</u> Toxic Plants and Phytochemicals</p> <p><u>Book title</u> Phytochemistry Vol-2: Pharmacognosy, Nanomedicine, and Contemporary Issues</p>	<p><u>Authors:</u> Chukwuebuka Egbuna, Alan Thomas S., Onyeka Kingsley Nwosu, Olumayowa Vincent Oriyomi, Toske L. Kryeziu, Saravanan Kaliyaperumal, and Jonathan C. Ifemeje</p> <p><u>Editor:</u> Chukwuebuka Egbuna.</p>	<p>CRC Press (Tailor and Francis Group) and Apple Academic Press, USA</p>	2019
4	<p><u>Chapter</u> Traditional use of herbal plants for the treatment of diabetes in India.</p> <p><u>Book title</u></p>	<p><u>Authors:</u> Revathi, G., Elavarasi, S., Saravanan, K. and Bir Bhadur</p>	<p>CRC Press (Tailor and Francis Group) and Apple Academic Press, USA.</p>	2017

	Ethnobotany of India, North-East India, Andaman and Nicobar Islands (Volume-3)	<u>Editors:</u> Pullaiah, T, Krishnamurthy, K.V and Bir Bhadur		
5	Green synthesis and characterization of silver nanoparticles using medicinal plant <i>Ventilago maderaspatana</i> (Red creeper) <u>Book Title</u> <i>Recent Progress in Phytochemistry and Pharmacognosy</i>	<u>Authors</u> Karuppannan, P., Saravanan, K. and Priya, G. <u>Editors</u> Veni, T and Pushpanathan, T.	M/s. Dr. BGR Publication, Tuticorin.	2017
6	<u>Chapter</u> Avian diversity in the Agro-ecosystem of Puthanampatti village, Tiruchirappalli District, Tamilnadu, India. <u>Book title</u> <i>Biodiversity: Issues, Impacts, Remediation and Significances.</i>	<u>Authors</u> Santhi G., Saravanan K. , Elavarasi S., and Renuka, C. <u>Editor:</u> V. I. Paul	M/s. VL Media solutions, New Delhi, India.	2013
7	<u>Chapter</u> Studies on Nesting Ecology of Lesser Golden Backed Woodpecker, <i>Dinopium benghalense</i> (Linnaeus). <u>Book title</u> Perspectives in Animal Ecology and Reproduction	<u>Author</u> Saravanan, K and Sivabakiyam, P <u>Editor</u> V.K.Gupta.	Daya Publication Kashmir. (ISBN: 978-81- 7035-752-0)	2010

ABSTRACT/SOUVENIR EDITED:

S.No.	Abstract/ Souvenir	Name of the Conference	Editors	Year
1	Abstract and Souvenir	International Conference on “Molecular	Archunan, G and Saravanan, K.	2017

		Advances in Biomedical Research”	ISBN No. 978-81934413-3-4)	
2	Abstract and Souvenir	International Conference on “Conservation of Natural Resources”	Saravanan, K., Elavarasi, S and Ramesh, N.	2016
3	Abstract and Souvenir	National seminar on “Recent trends in Biological Sciences”	Saravanan, K.	2013

DETAILS OF PRESENTATION

1. Arulpriya, R and **Saravanan, K.** 2017. Molecular docking of different ligands from *Cucurbita pepo* leaf with oncogene protein (5P21). National Conference on “Computational Analysis of Molecular Data in synergy with Biological Applications”. Conducted by Department of Biotechnology & Bioinformatics, Bishop Heber College, Trichy. *Conference Proceeding* (ISBN: 978-93-80767-63-5): 47-48.
2. Premalatha, P and **Saravanan, K.** 2017. Molecular Docking on Catechin with Oncogene protein (5P21). National Conference on “Computational Analysis of Molecular Data in synergy with Biological Applications” Conducted by Department of Biotechnology & Bioinformatics, Bishop Heber College, Trichy. *Conference Proceeding* (ISBN: 978-93-80767-63-5): 46.
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9. Priya, G and **Saravanan, K.** 2016. Evaluation of antifertility effect of *Abrus precatorius* seed extracts in albino rats. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
10. Santhi, M.P and **Saravanan, K.** 2016. Anticancer activity of *Biophytum sensitivum* against liver cancer (HEPG-2) cell line. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
11. Revathi, G and **Saravanan, K.** 2016. Evaluation of antidiabetic activity of polyherbal extract loaded chitosan nanoparticles. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
12. Elavarasi, S and **Saravanan, K.** Evaluation of antidiabetic activity of ethanol extract of *Cyathea nilgiriensis* (Tree fern) pith powder on STZ induced diabetic rats. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
13. **Saravanan, K** and Karuppanan, P. 2016. Synthesis of metal nanoparticles eco friendly using medicinal plants. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
14. Sibikumar, S., Elavarasi, S., Rajeswari, M and **Saravanan, K.** 2016. Detoxifying effect of *Calotropis gigantea* flower extract on heavy metals exposed Tilapia fish (*Oreochromis mossambicus*). International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
15. Sakhivel, A., Manjula, G and **Saravanan, K.** 2016. Retrospection and envisioning of water resource management in the emerging era. Synthesis of metal nanoparticles eco friendly using medicinal plants. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
16. Balan, V., **Saravanan, K** and Umarani, B. 2016. Phytoresources with cancer treatment properties in the plants of Malvaceae family . International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
17. Balan, V., **Saravanan, K** and Arulpriya, R. 2016. Natural bioactive compounds (phytoresources) having anticancer, antitumor and cancer preventive activities in the Apiaceae and Cucurbitaceae family from the publically available databases. International Conferences on Conservation of Natural resources held on 17th September

2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.

18. Premalatha, P and **Saravanan, K** . 2016. Low cost production of spirulina (*Spirulina blatensis*) through treatment of grey waste water. International Conferences on Conservation of Natural resources held on 17th September 2016 at PG and Research Dept of Zoology, Nehru Memorial College, Puthanampatti, Trichy.
19. Revathi, G., Elavarasi, S and **Saravanan, K**. 2016. Biosynthesis, characterization and drug loading efficiency of polyherbal extract loaded chitosan nanoparticles. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
20. Sibikumar, C., **Saravanan, K**., Elavarasi, S and Revathi, G. 2016. Evaluation of detoxifying effect of *Calotropis gigantean* in heavy metals exposed on *Oreochromis mossambicus*. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
21. Priya, G and **Saravanan, K**. 2016. Antifertility effect of *Abrus precatorius* L seed extracts on male albino rat. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
22. Premalatha, P and **Saravanan, K**. 2016. Low cost production of Spirulina (*Spirulina platensis*) through treatment of black wastewater. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
23. Balan, V., **Saravanan, K** and Umarani, B. 2016. Data-mining of bioactive compounds with cancer treatment properties in the plants of Rosaceae family. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
24. Karuppanan, P., **Saravanan, K** and Priya, G. 2016. Green Synthesis and characterization of silver nanoparticles using medicinal plant *Ventilago maderaspatana* (Red Creeper). International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
25. Balan, V., **Saravanan, K** and Arulpriya, R. 2016. Collection and data-mining of bioactive compounds with cancer treatment properties in the plants of Solanaceae family. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
26. Elavarasi, S., Revathi, G and **Saravanan, K**. 2016. Antidiabetic effect of mixture of *Cyathea nilgiriensis* (Holttum) and *Pterocarpus marsupium* Roxb. In streptozotocin induced diabetic rat model. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.

27. Renuka, C., **Saravanan, K** and Elavarasi, S. 2014. Antidiabetic activity of *Biophytum sensitivum* extract on STZ induced albino diabetic rat model. National Conference on “Innovations, Implementations and Controversies of Animal Biotechnology” held on 20th & 21st March 2014, organized by the Department of Animal Science, Bharathidasan University, Tiruchirappalli.
28. Karuppannan, P., Santhi, M.P., Boopathi Raja, K., **Saravanan, K** and Priya, G. 2014. Evaluation of toxicity of vitamin C doped MgS nanoparticles against fresh water fish *Oreochromis mossambicus*. National Conference on “Innovations, Implementations and Controversies of Animal Biotechnology” held on 20th & 21st March 2014, organized by the Department of Animal Science, Bharathidasan University, Tiruchirappalli.
29. Revathi, G., **Saravanan, K** and Elavarasi, S. 2014. Antiulcer activity of fresh juice and ethanol extract of *Raphanus sativus* and *Daucus carota* on aspirin induced ulcer rat models. International Conference on “Physiology and Medicine” held from 15th to 17th October 2014, organized by Department of Zoology, Periyar University, Salem.
30. Elavarasi, S and **Saravanan, K**. 2014. GC-MS analysis of some bioactive constituents from *Cyathea nilgiriensis*. International Conference on “Physiology and Medicine” held from 15th to 17th October 2014, organized by Department of Zoology, Periyar University, Salem.
31. Priya, G and **Saravanan, K**. 2014. Curative effect of termite (*Odontotermes obesus*) extract in induced sterile male albino rats. International Conference on “Physiology and Medicine” held from 15th to 17th October 2014, organized by Department of Zoology, Periyar University, Salem.
32. Balan, V., Arulpriya, R and **Saravanan, K**. 2014. Phytoresources of Fabaceae for the treatment of cancer. International Conference on “Physiology and Medicine” held from 15th to 17th October 2014, organized by Department of Zoology, Periyar University, Salem.
33. Revathi, M., **Saravanan, K** and Karuppannan, S. 2014. Morphometric and biochemical variations among the freshwater mussels (*Lamellidens marginalis*) of different habitats. International Conference on “Physiology and Medicine” held from 15th to 17th October 2014, organized by Department of Zoology, Periyar University, Salem.
34. Revathi, G., Elavarasi, S and **Saravanan, K**. 2014. Curative effect of *Daucus carota* (carrot) and *Raphanus sativus* (radish) on alcohol induced gastric ulcer in albino rat models. National Conference on “Evolutionary trends in Biological and Pharmaceutical Chemistry, 30th & 31st January 2014), Holy Cross College (Autonomous), Trichy.
35. Balan, V., **Saravanan, K** and Arulpriya, R. 2014. Collection and data mining of bioactive compounds having anticancer, antitumor and cancer preventive activities with special emphasis on Euphorbiaceae family. National Conference on “Evolutionary trends in Biological and Pharmaceutical Chemistry, 30th & 31st January 2014), Holy Cross College (Autonomous), Trichy.
36. Elavarasi, S and **Saravanan, K**. 2013. Dietary agents in prevention and treatment for diabetes. First International and Third National Conference on “Biotechnology, Bioinformatics and Bioengineering” held at Hotel Udayee International, Tirupati, Andhra Pradesh, South India during June 28th – 29th 2013.
37. Karuppannan, P., **Saravanan, K** and Priya, G. 2013. Dietary agents for improving fertility in human being. First International and Third National Conference on

“Biotechnology, Bioinformatics and Bioengineering” held at Hotel Udayee International, Tirupati, Andhra Pradesh, South India during June 28th – 29th 2013.

38. Priya, G., **Saravanan, K** and Karuppanan, P. 2013. Natural diet and dietary chemical compounds for improving fertility. First International and Third National Conference on “Biotechnology, Bioinformatics and Bioengineering” held at Hotel Udayee International, Tirupati, Andhra Pradesh, South India during June 28th – 29th 2013.
39. Priya, G and **Saravanan, K**. 2013. Antifertility effect of *Hibiscus rosa sinensis* flower extraction male soft furred field rat (*Millardia melitada*) held on 20th August 2013 at department of Biotechnology, Periyar University, Salem.
40. Elavarasi, S., **Saravanan, K** and Santhi, M. P. 2013. Kitchen remedy for diabetes mellitus. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli.
41. Manjula, G and **Saravanan, K**. 2013. Global warming and human health-the challenges a head. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli.
42. Revathi, G and **Saravanan, K**. 2013. Antiulcer activity of carrot (*Daucus carota*) and radish (*Raphanus sativus*) in albino rat models. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli.
43. Renuka, C., **Saravanan, K** and Santhi, M. P. 2013. Antihyperlipidemic effect of *Biophytum sensitivum* (Siker bud) extracts in alloxan induced diabetic rats. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli.
44. Kavitha, N., **Saravanan, K** and Gopi, R. 2013. Antibacterial activity of *Nerium indicum* against biofilm producing isolates. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti.
45. Karuppanan, P., **Saravanan, K** and Santhi, M. P. 2013. Diabetes mellitus and its secondary complications. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli.
46. Sivakumar, S., Maheswari, A.S and **Saravanan, K**. 2013. Studies on the population and diurnal behavior of common coot (*Fulica atra*) in koothaippar lake, Tiruchirappalli district, TamilNadu, South India. National Seminar on “Recent trends in Biological Sciences” held on 7th & 8th March 2013, organized by PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli.
47. Elavarasi, S., and **Saravanan, K**. 2012. “Solutions for community dog nuisances”. National Seminar on “Animal Transmitted diseases in tropics” held between 26th & 27th September 2012 at PG & Research Department of Zoology, Rajah Serfoji Govt. College (Autonomous), Thanjavur.

48. Renuka, C., Santhi, G., Priya, G., Revathi, G., **Saravanan, K** and M.P. Santhi, 2012. Avian Diversity on Agricultural Fields in Puthanampatti, Trichy District, Tamil Nadu, Southern India. National Seminar on “Global Environmental Issues and Remediation Technologies (GEIRT 2012” held on 3rd February at Department of Environment Science, Periyar University, Salem – 636 011.
49. Muthulakshmi, B., Renuka, C., Elavarasi, S., **Saravanan, K** and M.P. Santhi. 2012. “Antidiabetic effect of *Emblica officinalis* on alloxan induced diabetic albino rats on National Seminar on “Environmental Changes and Biowealth (NECB – 2012)” held on 31st January 2012 organized by the P.G. and research Department of Zoology, Jamal Mohamed College, Tiruchirappalli.
50. Priya, G and **Saravanan, K**. 2012. Antifertility effect of *Cassia fistula* leaf extract on male albino rats on National Seminar on “Environmental Changes and Biowealth (NECB – 2012)” held on 31st January 2012 organized by the P.G. and research Department of Zoology, Jamal Mohamed College, Tiruchirappalli.
51. Revathi, G and **Saravanan, K**. 2012. Antiulcer activity of ethanolic extract of carrot (*Daucus carota*) radish (*Raphanus sativus*) ethanol induced in albino rats on National Seminar on “Environmental Changes and Biowealth (NECB – 2012)” held on 31st January 2012 organized by the P.G. and research Department of Zoology, Jamal Mohamed College, Tiruchirappalli.
52. Suganya, S., Renuka, C., Revathi, G., **Saravanan, K** and M.P. Santhi. 2012. Anticancer activity of *Cissus quadrangularis* on breast cancer cell lines (MCF-7) on State level Seminar on “Modern Trends in Biological Sciences- Towards Human Health and Disease” held on 17th February 2012 at PG & Research Department of Zoology, Rajah Serfoji Government College, Thanjavur.
53. Priya, G and **Saravanan, K**. 2012. Antifertility effect of *Azadirachta indica* leaf extract on male albino rats on State level Seminar on “Modern Trends in Biological Sciences- Towards Human Health and Disease” held on 17th February 2012 at PG & Research Department of Zoology, Rajah Serfoji Government College, Thanjavur.
54. Elavarasi, S, Sivabakiyam, P and **Saravanan, K**. 2011. Immunostimulatory effect of lemon epicarp and amla powder extract on Tilapia fish (*Oreochromis mossambicus*) in National level Seminar on “Future Prospective of Natural Food Products and Food as Medicine” held on 1st and 2nd April, 2011 at PG & Research Department of Zoology, Rajah Serfoji Government College, Thanjavur.
55. Elavarasi, S and **K. Saravanan**. 2011. Immunostimulatory effect of lemon epicarp powder extract on Tilapia fish (*Oreochromis mossambicus*) in National conference on “Advances in Environmental Research: an Interdisciplinary Approach” (AERIA’2011) held on 11th and 12th March, 2011 in the Department of Zoology, Annamalai University, Chidambaram.
56. Selvakumari, R., Renuka, C., and **K. Saravanan**. 2010. Presented a paper in National Conference on “Impact of climate change on biodiversity of insects and environment” held on 15th and 16th March, 2010 at Department of Zoology, Bharathiyar University, Coimbatore.
57. Renuka, C., **K. Saravanan**, and P. Sivabakiyam. 2008. Antidiabetic effect of Fenugreek seeds on alloxan induced diabetic rats. Abstract. National seminar on DIACAN -2008. Conducted by Department of Biochemistry, Annamalai University, Chidambaram.

58. Elavarasi, S., N. Ramesh and **K. Saravanan**. 2008. Biosorption of Cr(VI) using different types of husks (*Oryza sativa*, *Pennisetum typoids* and *Vigna mungo*). Abstract. National seminar on “Advances in Biopharming technologies. Conducted by PG Dept. of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti.
59. **Saravanan, K.**, Sivabakiyam and N. Ramesh. 2008. Studies on structural Proteomix of *Rhizotonia solani*. Abstract. National seminar on “Advances in Biopharming technologies. Conducted by PG Dept. of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti.
60. Nithya, C., Renuka, C. and **Saravanan, K.** 2008. Antidiabetic effect of *Embllica officinalis* on alloxan induced diabetic rats. Abstract. “XXVI National Symposium on Reproductive Biology and Comparative Endocrinology” Conducted by Dept. of Biotechnology and Bioinformatics, Holly Cross College, Trichy.
61. Renuka, C. and **Saravanan, K.** 2008. Antidiabetic effect of *Biophytum sensitivum* (Lin) on alloxan induced diabetic rats. Abstract. “XXVI National Symposium on Reproductive Biology and Comparative Endocrinology” Conducted by Dept. of Biotechnology and Bioinformatics, Holly Cross College, Trichy.
62. **Saravanan, K** and R. Kanakasabai. 2006. Free Feeding Toxicity And Palatability Of Difethialone Bait Against Four Indian Rodent Pests. 3rd International Conference on Rodent Biology and Management (ICRBM), Thang Loi, Vietnam, Monday 28 August to Friday 1, September 2006.
63. Poongodi, A. and **Saravanan, K.** 2006. Antifertility effect of *Hibiscus rosa sinensis* on softfurred field rat, *Millardia meltada*. **3rd International Conference on Rodent Biology and Management (ICRBM), Thang Loi, Vietnam, Monday 28 August to Friday 1, September 2006.**
64. Veeramani, R. **Saravanan, K.** and C. Renuka. 2006. Antidiabetic effect of *Biophytum sensitivum* on alloxan induced diabetic rats. **Thrust in Biosciences**. Vivenkanandha College for Arts and Science, Tiruchenkodu.
65. **Saravanan, K.** R. Kanakasabai, and K. Thiyagesan. 2000. Palatability of Bromadiolone (0.005%) bait formulations to the couple of murid species. **Abstract . National seminar on Eco-friendly Environment for Sustainable Development**, Annamalai University, Chidambaram.
66. Vanitha, V., R. Kanakasabai, **Saravanan, K** and K. Thiyagesan. 2000. Studies on the Prey Size, and body parts preference of Barn owl (*Tyto alba*). **Abstract. National seminar on Eco-friendly Environment for Sustainable Development**, Annamalai University, Chidambaram.
67. Vanitha, V., R. Kanakasabai, **Saravanan, K** and K. Thiyagesan. 2000. Studies on the Prey species preference of *Tyto alba*. **Proceeding of Tamil Science Congress**, CEKRI Karaikudi.
68. **Saravanan, K.**, and R. Kanakasabai. 1999. Survey of Helminthes eggs in the faecal samples of *Bandicotia bengalensis* (Grey). **Abstract of 13th National Congress of Parasitology**. 47. Bangalore Univeristy, Bangalore.
69. **Saravanan, K.**, and R. Kanakasabai. 1997. A Survey on the Rodent damage in paddy fields. **Proc. of fifth Tamil Science Congress**. 28.

70. **Saravanan, K.**, Sivaprakasam, C., Kanakasabai, R and S. Muthukumar. 1997. Food habits of spotted owlet, *Athena brama*. *Abstract of second National symposium on Applied Ornithology*. 16.
71. **Saravanan, K.**, Manimozhi and R. Kanakasabai. 1995. Arindha Thavarankalin Ariyatha Marmankal. *Dinamani Daily Newspaper* dt. 3.3.95.

DETAILS OF PARTICIPATION
(Conferences / Seminars / Workshops/ Symposium)

S. No.	Name of the Event	Sponsored by	Conducted by	Place	Date
Conference-6					
1	International Conference on Molecular Advances in Biomedical Research”	-	Department of Zoology, NMC	Puthanampatti	9.2.2019 & 10.2.2018
2	International Conference on Conservation of Natural Resources’ & Inauguration of 100 th Chapter of OISCA	UGC	PG and Research Dept. of Zoology, NMC	Puthanampatti	17.9. 2016
3	6 th National Conference on Natural Sciences	TNSRO	Bose Science Society, Pudukkottai	P.G Department of Zoology, Holy Cross College, Tiruchirappalli	12.1.2017
4	Climate Change and the Developing World	UGC	CMS College, Kottayam	Kottayam, Kerala	21.1.2015 to 25.1. 2015
5	First International and Third national Conference on Biotechnology, Bioinformatics and Bioengineering	-	Hotel Udayee of International	Tirupathi, AP.	28.6.2013 & 29.6.2013
6	28 th Conference of Ethological Society of India	-	Mundanthurai	Thirunelveli	7.2.2003 & 8.2.2003

Seminars-15					
1	Emerging Trends in Control of Vectors and Vector Borne Diseases	ICMR	PG and Research Department of Zoology, NMC	Puthanampatti	29.9.2016 & 30.9.2016
2	Seminar on Examinations Reforms	Internal Quality Assurance Cell (IQAC)	Nehru Memorial College	Puthanampatti	15.3. 2012
3	International Seminar on Recent trends in Chemical Signaling	-	BDU	Tiruchirappalli	2.9.2009
4	National Seminar on Bioinformatics NSB'09	UGC	BDU	Tiruchirappalli	23.2.2009 & 24.2. 2009
5	National Seminar on Advances in Biopharming Technologies	-	Nehru Memorial College	Puthanampatti	December 2008
6	National Seminar on Bioinformatics	-	BDU	Tiruchirappalli	February 2007
7	State level Seminar on Recent Trends in Environmental Biotechnology	-	Jamal Mohamed College	Tiruchirappalli	13.3.2008
8	National Seminar on Genes, Environment and Cancer (GEC-2007)	UGC/DST	Department of Zoology, Bharathiar University	Coimbatore	10.1.2007 & 11.1.2007
9	National Seminar on Bioinformatics (NSB'07)	UGC	BDU	Tiruchirappalli	3.3.2007 & 4.3. 2007
10	One day Seminar on Save the Earth-2004	AICTE	Srimad Andavan Arts & Science College	Tiruchirappalli	2004

11	National Science Day- Interdisciplinary Workshop	-	BDU	Tiruchirappalli	25.4.2000
12	National seminar on Eco-friendly Environment for Sustainable Development	-	Annamalai University	Chidambaram	27.2.2000 & 28 .2.2000
13	Seminar on Man and Microbes	-	A.V.C. College	Mayiladuthurai	10.3.1998
14	Seminar on Bio- Diversity	UGC, New Delhi	A.V.C. College	Mayiladuthurai	13.3.1998
15	Seminar on Bio- resources and Employment opportunities	-	A.V.C. College	Mayiladuthurai	April 1997
Workshops-23					
1	One day Workshop on Comprehensive And Interpretation of The New Frame work of NAAC	NAAC	Holy Cross College	Trichy	29.3.2019
2	One day Workshop on Outcome Based Education	UGC	Nehru Memorial College,	Puthanampatti	25.8. 2018
3	Frontiers in Life Sciences	INSA, Bangalore	Department of Zoology, NMC.	Puthanampatti	17.1.2017 & 18.1.2017
4	Innovative Curriculum Designing	UGC	NMC	Puthanampatti	24.11. 2017 & 25.11.2017
5	Two Days Hands on Training Workshop in Animal Cell Culture Techniques and Flow Cytometry.	-	Dept. of Biotechnology National College	Trichy	18 .1.2017 & 19.1.2017

6	National Workshop on Wastewater Treatment and Rain Water Harvesting	-	NMC	Puthanampatti	22.8.2017 to 24.8. 2017
7	National Workshop Towards Formulating Best Classroom Practices In Teaching, Learning & Evaluation	UGC-NAAC	Mar Ivanios College	Kerala	10.9.2015 & 11.9.2015
8	National Workshop on Application of Statistical Tools in Biology Research Emendation	MoES	Department of Zoology, Annamalai University	Chidambaram	4.1.2013 To 6.1. 2013
9	Workshop on Molecular Modeling and Drug Design	-	CMSD, University	Hyderabad	2.8.2010 to 7.8.2010
10	Workshop on Animal alternatives	-	AVC College	Mayiladuthurai	15.3.2005
11	Workshop on Recent Techniques in Marine Biotechnology	-	CAS Marine Biology, Annamalai University	Chidambaram	2.3.2004 & 3.3.2004
12	Workshop on Instrumentation methods	-	BDU	Tiruchirappalli	28.10.2004 to 30.10.2004
13	Workshop on Recombinant DNA Technology	-	School of Biotechnology , Madurai Kamaraj University	Madurai	12.5.2003 To 24.5.2003
14	Workshop on Advanced Practical in Zoology	-	Periyar EVR College	Tiruchirappalli	24.1.2003 & 25.1.2003
15	Workshop on LATEX	-	St. Joseph College	Tiruchirappalli	27.1.2003

16	Workshop on Intel Teach to the Future Programme	-	A.V.C College,	Mayiladuthurai	18.8.2002 to 7.9.2002
17	Workshop on Animal use in Practical's-Pro's & Cons	-	A.V.C College,	Mayiladuthurai	25.9.2001
18	Workshop on Wildlife Photography	UGC New Delhi	A.V.C College	Mayiladuthurai	March 2001
19	Workshop on Application of Statistics in Biological Research	-	BDU	Tiruchirappalli	5.3.1999 to 6.3.1999
20	Monitoring Workshop on UGC Projects	UGC, New Delhi	-	-	19.3.1997
21	Workshop on Rodent Control techniques	ICAR (Indian Council of Agricultural Research), New Delhi.	Agricultural University	Bangalore	9.1.1997 to 11.1.1997
22	Workshop on Aquaculture	-	A.V.C. College	Mayiladuthurai	8.3.1996 to 9.3.1996
23	Workshop on Bio statistics		A.V.C. College	Mayiladuthurai	21.12.1993 to 23.12.1993
Conclave/Symposium/ Congress-6					
1	Indian Technology-Innovation & Entrepreneurship Conclave (I-TEC)	DST	REVA University	Bangalore	3.1.2010 to 4.1.2020
2	Third Indo-US Series on Discrete Mathematical Chemistry: Special lectures on Chemoinformatics & Bioinformatics	CSIR, DST & IMSC	Department of Bioinformatic BDU	Tiruchirappalli	7.1.2018 to 10.1.2018

3	13 th National Congress of Parasitology	-	Bangalore University and the Indian society for Parasitology	Bangalore	24.2.1999 to 26.2.1999
4	Tamil Science Congress	-	Annamalai University	Chidambaram	June 1997
5	National symposium on Recent Trends in Indian Wildlife Research	-	A.V.C. College	Mayiladuthurai	22.2.1995 to 24.2.1995
6	International Symposium on Lion Tailed Macaque (<i>Macaca silenus</i>)	-	Arignar Anna Zoological Park, Vandalur	Chennai	11.10.1993 to 14.10.1993

DETAILS OF PROFESSIONAL DEVELOPMENT (Orientation/Refresher courses/FDP)

S.No	Name of the events	Sponsored by	Conducted by	Place	Duration/Date
Orientation Programme = 2					
1	95 th Orientation Programme	UGC	UGC-Academic Staff College, Bharathiar University,	Coimbatore	20.11.2012 to 17.12.2012
2	Orientation Course for NSS programme officers	UGC	Madras School of Social Sciences,	Chennai	12.9.2011 to 17.9.2011
Refresher Course = 2					
1	Refresher Course on Recent Trends in Life Sciences	UGC	UGC-Academic Staff College, MK University	Madurai	23.12.2014 to 12.1.2015
2	Refresher Course on Life Sciences	UGC-HRDC	UGC-Academic Staff College, Bharathidasan University,	Trichy	16.07.2019 to 29.7.2019

Faculty Development Programme = 5					
1	Faculty Development Programme	UGC	Nehru Memorial College	Puthanampatti	19.3. 2016
2	Faculty Development Programme on Effective Teaching	UGC	Nehru Memorial College	Puthanampatti	12.6. 2017
3	Two Days Faculty Development Program	UGC	NMC	Puthanampatti	11.6.2018 & 12.6. 2018
4	Two Days Faculty Development Program	UGC	Nehru Memorial College	Puthanampatti	30.5. 2019
5	Two –Day State Level Training Programme on Administrative Skill Development (ASD)	UGC	Nehru Memorial College,	Puthanampatti	23 .2.2017 & 24.2.2017.
Short Term Courses = 2					
1	Summer Training Programme on Geospatial Technologies and Its Applications	NRDMS,D ST,GOVT. OF INDIA, New Delhi	PNSA College of Engineering & Technology	Dindigul	2.5.2010 to 22.5.2010
2	Summer training on Recombinant DNA Technology	-	School of Biotechnology Madurai Kamaraj University, Madurai	Madurai	12.05.03 to 24.05.03

DECLARATION

I do hereby declare that above particulars of information and facts stated are true, correct and complete to the best of my knowledge and belief.

Date:01.03.2020

Station: Puthanampatti.



[K. SARAVANAN]