



# 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,**  
**IQAC – COORDINATOR &**  
**ASSOCIATE DEAN OF ACADEMIC**  
**AFFAIRS**  
**DEPARTMENT** : **ZOOLOGY**



## CONTACT INFORMATION

**Address (Office)** : **Department of Zoology**  
Nehru Memorial College  
Puthanampatti--621 007  
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Tiruchirappalli District  
Tamilnadu, India.

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**Vidwan**  
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**Scopus Author ID:** 56379814100  
**ResearcherID:** AAT-4334-2020  
**RG:** Kaliyaperumal  
**Google scholar ID :** [PzoA3VEAAAAJ](https://scholar.google.com/citations?user=PzoA3VEAAAAJ)

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

<b>TEACHING EXPERIENCE = 18+ Years</b>				
<b>S. No.</b>	<b>Institution</b>	<b>Duration</b>	<b>No. of Years</b>	
			<b>UG</b>	<b>PG</b>
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, Mayiladuthurai.	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
<b>Total</b>			<b>17 Years 6 Months</b>	<b>9 Years 1 Month</b>

<b>RESEARCH EXPERIENCE = 25 + Years</b>
<ul style="list-style-type: none"> <li>• Worked as a <b>Project Assistant</b> in UGC Major Research Project from 01.03.1995 to 28.02.1999 at PG &amp; Research Dept. of Zoology, A.V.C. College, Mannampandal-609305, Mayiladuthurai.</li> <li>• Completed 1 UGC Major Research Project (3.5 Years).</li> <li>• Supervising and guiding Ph.D Scholars from 2006 onwards.</li> <li>• Supervising and guiding M.Phil Scholars.</li> <li>• Guided M.Sc Research Projects from 2005 to 2011.</li> </ul>

<b>AREA OF RESEARCH</b>
<ul style="list-style-type: none"> <li>• Environment and Natural Drug Research</li> <li>• Rodent Pest Management</li> </ul>

<b>RESEARCH GUIDANCE (in numbers)</b>			
<b>Program of Study</b>		<b>Completed</b>	<b>Ongoing</b>
<b>Research</b>	<b>Ph.D</b>	<b>9</b>	<b>2</b>
	<b>M. Phil.</b>	<b>35</b>	<b>5</b>
<b>Project</b>	<b>M.Sc</b>	<b>30</b>	<b>-</b>
	<b>B.Sc</b>	<b>4</b>	<b>-</b>

<b>PUBLICATIONS (In Numbers)</b>					
<b>Journals</b>		<b>Proceedings</b>		<b>Books</b>	<b>Book Chapters</b>
<b>International</b>	<b>National</b>	<b>International</b>	<b>National</b>		
<b>35</b>	<b>23</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>7</b>
<b>Cumulative Impact Factor (as per JCR)</b>			<b>87.02</b>		
<b>h-index</b>		<b>9 (google scholar)</b>	<b>5 (Scopus)</b>		<b>3 (Wos)</b>
<b>i10 index</b>		<b>7</b>			
<b>Total Citations</b>		<b>352</b>	<b>75</b>		<b>14</b>

<b>PAPER PRESENTATIONS</b>				
<b>Events</b>	<b>International</b>	<b>National</b>	<b>State</b>	<b>Regional</b>
<b>Conference(s)</b>	<b>10</b>	<b>5</b>	<b>-</b>	<b>-</b>
<b>Seminar(s)</b>	<b>5</b>	<b>15</b>	<b>-</b>	<b>-</b>

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"><li>Received a Major Research Project from UGC, New Delhi with a worth of 8.9 lakhs and successfully completed.</li></ul>				
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	

<b>RECOGNITION</b>				
<b>S.No</b>	<b>RECOGNITION</b>	<b>AGENCY</b>	<b>PERIOD</b>	
1	Recognized as Member of Expert for Assessing Swachhta Ranking of Higher Education Institutions Initiative at PSG College of Arts and Science, Coimbatore.	<b>UGC</b> (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.	<b>UGC</b> (South Western Region) Bangalore	04.09.2019	
3	Recognized as Chief Examiner for conducting TNPSC Group IV Examination.	<b>Tamilnadu Public Service Commission (TNPSC),</b> Chennai.	11.02.2018	
4	Recognized as Chief Examiner for conducting TNPSC Group IV Examination.	<b>Tamilnadu Public Service Commission (TNPSC),</b> Chennai.	15.09.2019	
5	Recognized as Additional Chief Superintendent for Autonomous Examinations November 2019.	<b>Nehru Memorial College (Autonomous),</b> <b>Puthanamapatti.</b>	22.10.2019	
6	Recognized as Camp Officer for Central Valuation of Autonomous Examinations November 2019.	<b>Nehru Memorial College (Autonomous),</b> <b>Puthanamapatti.</b>	November 2019	
<b>EVENTS ORGANIZED</b>				
<b>S.No</b>	<b>Name of the programme</b>	<b>Leading Role</b>	<b>Name of the Resource Person</b>	<b>Date of the event</b>
1	Special lectures on “Charles Darwin Birth Day Lecture”	Organizing Secretary	<b>Mr. P. Sahasranamam</b> 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	<b>Dr.V.I.Paul</b> Professor & Head Depart. Of Zoology, Annamalai University. Chidambaram.	9.8.2019
3	Special Lecture on “Indigenous Cowpathy is Safe guarding to Human Health”	Organizing Secretary	<b>Dr. V. Nithya</b> 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	<b>Dr. S. Sudhakar</b> Professor & Head Dept. of Biotechnology, MS University, Tirunelveli	1.12.2017
5	Special Lectures on “Dengue Fever: Prevention and Treatment”	Organizing Secretary	<b>Dr. S. Kamaraj,</b> District Siddha Medical Officer, Trichy	12.10.2017
6	Special lecture on “Biodiversity of Bats”	Organizing Secretary	<b>Dr. V. Elangovan</b> Associate Professor Dept. of Applied Animal Sciences, Babasaheb Bhimaroo Ambedkar, Central University, Lucknow.	29.12.2016
7	Special Lecture on “Think Slow”	Organizing Secretary	<b>Dr.A.H.Van der Lugt</b> Associate Professor Maastricht University, Netherlands.	29.11.2016
8	Special Lecture on “Biodiversity in Andaman Nicobar Islands”	Organizing Secretary	<b>Dr. Sivaperuman,</b> 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	<b>Dr. N. Baskar,</b> Asst. of Wildlife Biology, AVC College, Mannampandal.	03.09.2015.
11	Special lecture on “Snake Bite and Treatment”	Organizing Secretary	<b>Dr. P. Kannan</b> 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	<b>Dr. R. Thrumurugan,</b> 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	<b>Dr. R. Senthilkumar,</b> Asst. Prof. Dept. of Biochemistry Rajah Serfoji College for Arts and Science, Thanjavur.	11.10.2014
14	Special Lecture on “Stress management”	Organizing Secretary	<b>Dr. Chellam Balasubramanian,</b> Professor, Bharathidasan University, Trichy	2013
14	Special lecture on “Poultry Farming”	Organizing Secretary	<b>Dr. C. Edwin</b> 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	<b>Dr. Selvaraj</b> Assistant professor, Department of Bioinformatics Bharathidasan Univ. Trichy.	02.02. 2012
16	Special Lecture on “Fish Disease and its Management”	Organizing Secretary	<b>Dr. G. Bupesh</b> Assistant Professor Bharathidasan University, Trichy	29.7.2011
17	Special Lecture on “Mosquito Control”	Organizing Secretary	<b>Dr. A. Jabanesan</b> Professor of Zoology, Annamalai University, Chidambaram.	18.03.2010
18	Special Lecture on “Fish culture”	Organizing Secretary	<b>Dr. AV. Muralidharan</b> Asst. Prof of Zoology, Annamalai University, Chidambaram.	10.3.2010
19	Five days Workshop and Lecture on “Biostatistics”	Organizing Secretary	<b>Dr. Nagarajan,</b> Asst. Prof of Zoology, AVC College, Mannampandal.	14.12.2008 to 19.12.2008

<b>SEMINAR/CONFERENCES/TRAINING PROGRAMME ORGANIZED = 6</b>				
<b>S.No</b>	<b>NAME OF THE EVENT</b>	<b>LEADING ROLE</b>	<b>FUNDING AGENCY (Amount Sanctioned)</b>	<b>PERIOD</b>
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 <sup>th</sup> 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



## Webinars organized during Covid-19 pandemic period

1. Organized a Student Development Programme : webinar series – II on “Biology Of Novel Corona Virus (SARS COV-2)” on 06.05.2020. **Dr. S. Sudhakar, Professor & Head**, Dept. of Biotechnology, MS University, Tirunelveli has delivered the lecture through google meet video conferencing platform.
2. Organized a Student Development Programme -Webinar Series III on 16/05/2020. **Dr. M. Varadharajan, Principal (Rtd), AVC College (Autonomous), Mannampandal and Principal, Shree Ragavendra College of Arts and Sciences, Chidambaram** was the resource person. He delivered a lecture on “**Pollinator decline – A threat to human survival**” through google meet video conferencing platform.
3. Organized a Student Development Programme - Webinar Series IV on 08/06/2020. **Dr. G. Velmurugan, Scientist, Chemo-microbiomics Laboratory, KMCH Research Foundation, Coimbatore** was the resource person. He delivered a lecture on “**Covid-19: Disinfectants and Post Pandemic Human Health Challenges**” through google meet video conferencing platform.
4. Organized World Environment Day Webinar on 11/06/2020. **Dr. K. Ramesh, Scientist, Wildlife Institute of India, Dehardun** was the resource person. He delivered a lecture on “**Beyond Celebrations towards Secured Environment**” through google meet video conferencing platform.
5. Organize Student Development Programme on “**Alumni Engagement in Student Development**” from 06.07.20 to 10.07.20. Our alumni,
  - **Dr. A. Ramesh Kumar, Scientist-‘C’, Zoological Survey of India, Kolkata.**
  - **Dr.P. Sakthivel, Asst. Scientific Officer, National Institute of Plant Health Management, Hyderabad-Telangana.**
  - **Dr. P. Haribalan, Research Professor, SEOUL National University, South Korea.**
  - **Dr. K. Maharajan, Post Doctoral Fellow, Biology Institute of Shandong, Toxicological Research Academy of Sciences, China** have delivered the lectures and motivated students.
6. Organized a four day National Webinar Series on “**Art of Writing Research**” from 25.7.2020 to 28.7.2020 through google meet online video conference.
  - **Dr. S. Sudhakar, Professor of Biotechnology, Manononmaniam Sundharanar University Thirunelveli** gave a lecture on “**Research how to choose and write research proposal for funding**”.
  - **Dr. R. Nagarajan, Principal, AVC College, Mayiladuthurai** and gave a talk on “**Self-Explanatory Dissertation structure, sequence and style**”.
  - **Dr. R.S. Jayasomu, Chief Scientist and Editor, Indian Journal of Experimental Biology. CSIR-New Delhi** delivered a lecture on “**Publishing Research Papers clues from and Editor**”.
  - **Dr. M.P. Madhu, Science Writing consultant Current Science, Pune** delivered a lecture on “**Problem faced by Indian researchers in publishing scientific papers and potential solutions**”.

### ACADEMIC/ADMINISTRATIVE RESPONSIBILITIES HELD

1. **Co-Ordinator, IQAC, from 16<sup>th</sup> June 2020**
2. **Warden**, MGC Boys Hostel, Nehru Memorial College, Puthanampatti from 2009 to till date.
3. **Associate Dean of Academic Affairs** from 2018 from till date.
4. Camp officer for UG Centre Valuation, Nehru Memorial College, Puthanampatti during November 2019.
5. Additional Chief Superintendent for conducting Autonomous Examinations 2019 for UG/PG, Nehru Memorial College, Puthanampatti.
6. Nodal Officer, AISHE & National institute Ranking frame work (NIRF) from 2019 to till date
7. Criterion leader for NAAC (7<sup>TH</sup> Criteria: Institutional Values and Best practices) from 2018.
8. Member, Anti-ragging committee from 2017 to till date.
9. Member, Student Grievances Redressal Cell, Nehru Memorial College from 2018.
10. Editorial Member, The Rose, College Magazine from 2009 to till date.
11. Acted as Chief Examiner for TNPSC examinations.
12. Acted as MQAC – Member from 2012-2015.
13. NSS Programme Officer from August 2008 to 2014.
14. 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
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#### 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. Journal of Pharmaceutical Research International
2. Asian Pacific Journal of Reproduction.
3. Journal of Threatened Taxa.
4. Journal of Medicinal Plant Research.
5. 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. **Member, UG Board of Studies (B.Sc Zoology)**, Nehru Memorial College, Puthanampatti from 2006 to till date.
4. **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	International workshop and free training program on Preparation of Mask	Nehru Memorial College, Puthanampatti (Online)		College students and public (700)

2	Community Awareness program on “Women’s Health Issues”	Nehru Memorial College, Puthanampatti (Online)	23.06.2020	College students and public (500)
3	Distribution of Nilavembu Kasayam jointly organized by Dept. of Siddha, Govt. Hospital, Omandur.	Nehru Memorial College, Puthanampatti.	10.12.2015	College Students (2500)
4	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 (9 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> (Holtum) 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
9	B. Umarani	Evaluation of anti-lung and anti- breast cancer <i>Naravelia zeylanica</i> under in vitro, in vivo and in silico conditions	2021

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	2010

		with reference to incidence of cancer, and anticancer activity of <i>Cissusquadrangularis</i> against breast cancer cell lines (MCF –7)	
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 carrota</i> ) and radish ( <i>Raphanus sativus</i> ) in albino rat models	2011
13	F. Amala Rani	Prevalence of diabetes mellitus in Thiruthuraipoondi Taluk, Thiruvavur district, TamilNadu, Southern India	2012
14	N. Kavitha	Antibacterial activity of <i>Neriumindicum</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	Phytoreources 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 Spirulina ( <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 gigantia</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>	2017

		Gours Against the Filarial Vector, <i>Culex Quinquefasciatus</i> (SAY)	
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
33	K. Yamuna	Analysis of phytochemical compounds and in vitro antidiabetic activity of Capsicum annum l. leaves aqueous extract	2020
34	T. Ramesh	Evaluation of Toxic Effect of Cassava (Manihot Esculenta) Root Extracts on Larvae And Pupae Of Malarial Vector ( <i>Anopheles Gambiae</i> )	2021
35	S. Vijaya	Studies on epidemic of covid-19 and <i>in silico</i> anticovid-19 activity of selected Antiviral phyto compounds	2021

## DETAILS OF PUBLICATIONS

### JOURNALS

1. Ramasamy Harikrishnan, Gunapathy Devi, Hien Van Doan, Sundaram Jawahar, Chellam Balasundaram, **Kaliyaperumal Saravanan**, Jesu Arockiaraj, Mehdi Soltani, Sanchai Jaturasitha. 2021. Study on antioxidant potential, immunological response, and inflammatory cytokines induction of glycyrrhizic acid (GA) in silver carp against vibriosis. ***Fish & Shellfish Immunology***. 119:198-208.
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  10. Ramesha, P., **Saravanan, K.**, Manogar., P., Johnson, J. Vinoth, E. Mayakannan, M. 2021. Green synthesis and characterization of biocompatible zinc oxide nanoparticles and evaluation of its antibacterial potential. **Sensing and Bio-Sensing Research**, 31 (2021). <https://doi.org/10.1016/j.sbsr.2021.100399>
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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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S.No.	Title	Authors/Editors Name	Publisher	Year of publication
1.	<b>Drug designing for Diabetes and Cancer: A path to 2030</b>	<b>Saravanan, K.,</b> Chukwuebuka Egbuna, Horne Iona Averal, Kannan S, Elavarasi, S and Bir Bahadur,	<b>CRC Press</b> (Tailor and Francis Group) and Apple Academic Press, USA. <b>ISBN: 13:978-1-77188-860-8 (Hardcover)</b> <b>13:978-0-42933-049-0 (e-book)</b>	<b>2020</b>
2	<b>Phytochemicals as Lead Compounds for New Drug Discovery</b>	Chukwuebuka Egbuna, Timea Polgar, Shashank Kumar Juan Abreu Payrol Cuba Jonathan C Ifemeje and <b>Saravanan K</b>	<b>Elsevier, USA</b> <b>ISBN: 978-0-12-817890-4.</b>	2019
3	<b>Practical Invertebrate Zoology: A Manual for Study of Major Invertebrates</b>	<b>Saravanan K</b> and Revathi G	NMC, Puthanampatti.	2019
4	<b>A Practical Manual of Zoology: Chordata, Cell and Molecular Biology</b>	<b>Saravanan, K.,</b> Santhi, M.P., Elavarasi, S. and Thangamani, R.	Raja Publication, Trichy (ISBN.978-93-80394-97-8.)	2017

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S.No	Name of the Authour	Chapter Title	Book	Year/ Page
1	R. Arul Priya, <b>K. Saravanan</b> and Chukwuebuka Egbuna	Phytochemical Investigation and Evaluation of Anti-breast cancer Activity of chloroform Extract of tagetes erecta.	Drug designing for Diabetes and Cancer: A path to 2030.  ISBN No. 978-1-77188-860-8	2020/ 153

2	R. Arul Priya, <b>K.Saravanan</b> and P.Karuppannan	Isolation, Identification and In Silico Evaluation of Anticancer Activity of Flavone from <i>Pisum sativum</i>	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No.978-1-77188-860-8	2020/ 167
3	<b>K.Saravanan</b> , B.Umarani, V. Balan, P.Premalatha and Bir Bahadur	Functional lead Phytochemicals from the Rutaceae and Zingiberaceae plants for Development of Anticancer Drugs	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No.978-1-77188-860-8	2020/ 177
4	<b>M.P.Santhi</b> , <b>K.Saravanan</b> and P.Karuppannan	In Vitro Anticancer Activity of <i>Biophytum sensitivum</i> on Liver Cancer Lines (HEPG2)	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No. 978-1-77188-860-8	2020/ 191
5	S.Elavarasi, <b>G.Revathi</b> , <b>K.Saravanan</b> and Horne Iona Averal	Antidiabetic and Antihyperlipidemic Activities of <i>Cyathia nilgiriensis</i> (Holtum) on STZ Induced Diabetic rats	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No. 978-1-77188-860-8	2020/ 233
6	<b>G.Revathi</b> , S. Elavarasi and <b>K.Saravanan</b>	Antidiabetic Activity of Drug Loaded Chitosan nanoparticle	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No. 978-1-77188-860-8	2020/ 249
7	P.Karuppannan, <b>K.Saravanan</b> and Horne Iona Averal	Antidiabetic Activity of Silver Nanoparticle Biosynthesized using <i>Ventilago maderaspatana</i> leaf	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No.978-1-77188-860-8	2020/ 263
8	C.Renuka, <b>K.Saravanan</b> and P. Karuppannan	Hypoglycemic Activity of <i>Biophytum sensitivum</i> Whole plant extracts on Alloxan Induced Diabetic Rats	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No.978-1-77188-860-8	2020/ 275
9	P.Karuppannan, <b>K.Saravanan</b> and P.Premalatha	Antidiabetic Activity of <i>Ventilago maderaspatana</i> leaf Extracts on STZ Induced Diabetic Rats	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No.978-1-77188-860-8	2020/ 283
10	S. Elavarasi, <b>G.Revathi</b> and <b>K. Saravanan</b>	Isolation, Identification and Molecular Docking of Antidiabetic Compounds of <i>Cyathia nilgiriensis</i>	Drug designing for Diabetes and Cancer: A path to 2030. ISBN No. 978-1-77188-860-8	2020/ 293



11	<b>Saravanan. K</b> Karuppannan, P, Umarani, B, Premalatha, P and Chukwuebuka Egbuna	Antiviral phytocompounds for drug development: A data Mining Studies	Phytochemicals as Lead Compounds for New Drug Discovery  ISBN NO:9.78013E+12  Elsevier Publication	2020/ 239
12	<b>Saravanan, K,</b> Karuppannan, P, Umarani, B and Premalatha, P.	Antiviral phytocompounds for drug development: A data mining studies.	Phytochemicals as Lead Compounds for New Drug Discovery- Vol – 1, <b>Elsevier,</b> <b>USA</b>	2019
13	Arul Priya R., <b>Saravanan K.</b> and Umarani B.	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)	<b>Phytochemistry Vol-1:</b> Fundamental, Methods and Application. <b>CRC Press</b> (Tailor and Francis Group) and Apple Academic Press, USA.	2019
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15	Revathi, G., Elavarasi, S., <b>Saravanan, K,</b> and Bir Bhadur	Traditional use of herbal plants for the treatment of diabetes in India	Ethnobotany of India, North- East India, Andaman and Nicobar Islands (Volume-3), CRC Press (Tailor and Francis Group) and Apple Academic Press, USA.	2017
16	Karuppannan, P., <b>Saravanan, K.</b> and Priya, G.	Green synthesis and characterization of silver nanoparticles using medicinal plant <i>Ventilago</i> <i>maderaspatana</i> (Red creeper)	<i>Recent Progress in</i> <i>Phytochemistry and</i> <i>Pharmacognosy</i> M/s. Dr. BGR Publication, Tuticorin.	2017

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18	Saravanan, K and <b>Sivabakiyam, P</b>	Studies on Nesting Ecology of Lesser Golden Backed Woodpecker, <i>Dinopium benghalense</i> (Linnaeus).	Daya Publication Kashmir. (ISBN: 978-81-7035-752-0)	2010

#### ABSTRACT/SOUVENIR EDITED:

S.No.	Abstract/ Souvenir	Name of Conference	Editors	Year
1	Abstract and Souvenir	International Conference on “Molecular Advances in Biomedical Research”	Archunan, G and <b>Saravanan, K.</b> ISBN No. 978-81934413-3-4)	2017
2	Abstract and Souvenir	International Conference on “Conservation of Natural Resources”	<b>Saravanan, K.</b> , Elavarasi, S and Ramesh, N.	2016
3	Abstract and Souvenir	National seminar on “Recent trends in Biological Sciences”	<b>Saravanan, K.</b>	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.
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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.
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#### DETAILS OF PARTICIPATION

(Conferences / Seminars / Workshops/ Symposium)

S. No.	Name of the Event	Sponsored by	Conducted by	Place	Date
<b>Conference-6</b>					
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 <sup>th</sup> Chapter of OISCA	UGC	PG and Research Dept. of Zoology, NMC	Puthanampatti	17.9. 2016

3	6 <sup>th</sup> 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 <sup>th</sup> 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
<b>Workshops-23</b>					
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
<b>Conclave/Symposium/ Congress-6</b>					
1	Indian Technology-Innovation & Entrepreneurship Conclave (I-TEC)	DST	REVA University	Bangalore	3.1.2010 4.1.2020 .
2	Third Indo-UsS 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 <sup>th</sup> 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

<b>DETAILS OF PROFESSIONAL DEVELOPMENT (Orientation/Refresher courses/FDP)</b>					
S.No	Name of the events	Sponsored by	Conducted by	Place	Duration/ Date
<b>Orientation Programme = 2</b>					
1	95 <sup>th</sup> Orientation Programme	UGC	UGC-Academic Staff College, Bharathiar University,	Coimbatore	20.11.2012 to 17.12.2012
2	Orientation Course for NSS	UGC	Madras School of Social	Chennai	12.9.2011

	programme officers		Sciences,		to 17.9.2011
<b>Refresher Course = 2</b>					
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
3	Refresher Course in Life Science – Recent Developments in Life Sciences	UGC–HRDC	UGC-HRDC, MK University	Madurai	20.10.21 to 02.11.21
<b>Faculty Development Programme = 5</b>					
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 Programe on Administrative Skill Development (ASD)	UGC	Nehru Memorial College,	Puthanampatti	23 .2.2017 & 24.2.2017.
<b>Short Term Courses = 2</b>					
1	Summer Training Programme on Geospatial Technologies and Its Applications	NRDMS,D ST,GOVT. OF INDIA, New Delhi	PNSA College of Engineering & Technology	Dindigul	2.5.2012 to 22.5.2012

2	Summer training on Recombinant DNA Technology	-	School of Biotechnology Madurai Kamaraj University, Madurai	Madurai	12.05.03 to 24.05.03
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### DNA Sequence Submission to GENBANK

**Accession No: Species**

1. MW680785 - *Lamellidens marginalis* - <https://www.ncbi.nlm.nih.gov/nuccore/MW680785>
2. MW680786- *Lamellidens marginalis*- <https://www.ncbi.nlm.nih.gov/nuccore/MW680786>
3. MW680787 -*Parreysia favidens* - <https://www.ncbi.nlm.nih.gov/nuccore/MW680787>
4. MW931864 - *Lamellidens marginalis* - <https://www.ncbi.nlm.nih.gov/nuccore/mw931864>
5. MW931865 - *Parreysia favidens* - <https://www.ncbi.nlm.nih.gov/nuccore/MW931865>
6. MW931866 - *Parreysia favidens* - <https://www.ncbi.nlm.nih.gov/nuccore/MW931866>
7. MW931867 - *Lamellidens marginalis* - <https://www.ncbi.nlm.nih.gov/nuccore/MW931867>
8. MW931868 - *Parreysia corrugate* - <https://www.ncbi.nlm.nih.gov/nuccore/MW931868>
9. MW931869 - *Lamellidens brandti* - <https://www.ncbi.nlm.nih.gov/nuccore/MW931869>
10. MW931870 - *Radiatula caerulea*-<https://www.ncbi.nlm.nih.gov/nuccore/MW931870>
11. MW931871 - *Parreysia favidens* - <https://www.ncbi.nlm.nih.gov/nuccore/MW931871>

### 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:16.12.2021

Station: Puthanampatti.



[K. SARAVANAN]