



Name : **Dr. R. UMA MAHESWARI**

Designation and Department : Associate Professor & Head  
P.G. Department of Zoology.

Area of specialization : i. Entomology: Plant - phytochemical  
ii. Oceanography and remote sensing

#### Research Experience

Research Stage	Title of work / Thesis	University where the work was carried out
M.Phil.	Larvicidal activity of selected plant extracts against mosquitoes	Madurai Kamaraj University, Madurai
Ph.D.	Application of remote sensing and Geographical Information system in Critical coastal habitat management ( a case study in Gulf of Mannar)	Anna University, Chennai

#### TRAINING

- Conducted many awareness programmes on Biodiversity Conservation for the village people of Gulf of Mannar coastal area.
- Conducted many training programmes for school teachers / students about the resources of Gulf of Mannar through Training cum information CD on Gulf of Mannar (Multimedia CD)

#### TEACHING EXPERIENCE

S.No	Course Taught	Name of the University / colleges	Duration
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1	B.Sc. Nautical Science	R. L. Institute of Nautical sciences	1 Year
2	B.Sc., Zoology & M.Sc., Zoology	Arulmigu Palaniandavar Arts College for Women, Palani	Feb 2009 onwards

Total Research Experience : 10 Years

Total PG Teaching Experience U.G / P.G : 15 Years

### RESEARCH PROJECTS MONITORING

S.No	Priority Research Area	Institution	Total amount (in Rs.)
1	To undertake critical assessment of the pearl oyster – their current status, prevailing threats and develop conservation strategies for priority habitats of pearl – oyster in GOMBR /GOMNP areas for management	Alagappa University, Karaikudi	16,57,897
2	To undertake a detailed study on inventorization of soft corals and associated habitats in GOMBR / GOMNP and their current status, extent, prevailing threats and recommending management prescriptions and field methodologies for future implementation and monitoring	SDMRI (Tuticorin)  IERSE (Vem & Kel)  SDMRI (Mandapam)	5,18,650  7,58,400  6,45,150
3	To undertake a detailed study on the current status of scheduled mollusc and associated fauna in GOMBR and to update the distribution, prevailing threat and demarcating zones of threat, evolving propagation, management, monitoring protocol for species recover, and developing identification key	Alagappa University, Karaikudi  SDMRI	9,96,791  3,68,000
4	To undertake a detailed study (micro level approach	CAS	10,60,185

	that include biomarkers of fatty acids and stable isotopes) (macro level) on the inter relationship between critical habitats and ecosystems found in Gulf of Mannar to understand the current inter dependent composition to evolve protocol for synergic improvement of various habitats simultaneously and to evolve management cum monitoring protocol for ensuring better inter ecosystem production	SDMRI	6,26,750
5	To undertake detailed study on seagrass habitat, diversity, abundance and associated fauna in GOMBR / GOMNP areas in order to develop inventories on their current status, extent, prevailing threats and recommending future action and monitoring protocols	SDMRI  CAS	7,81,500  9,67,207
6	To undertake a study on seaweeds diversity, abundance, productivity / harvest and associated habitats, and their conservation & sustainable present use & harvest pattern in GOMBR / GOMNP area	CSMCRI	6,14,000
7	To undertake a detailed study on monitoring of coral reef areas in the Gulf of Mannar National park covering information as are already available and to compare the data in order to understand the change in trend	SDMRI	6,76,200
8	“To undertake an intensive study on the water / sediment samples in critical location in order to determine the biological, chemical and physical parameter in gulf of mannar region so that the recommendation and protocols for curbing minor / major pollution in the area, to avoid its ecological, biological & future health of people in the coastal belt of gulf of mannar”	Manonmaniam Sundharanar University, Tirunelveli	7,34,000
9	To undertake a critical study and analysis of the prevailing fishing practices in GOMBR/GOMNP area in order to assess the current resource use and its	FC &RI	14,81,000

	impact on bio-diversity conservation and fishing potential of the area and to suggest future options for sustainable fishing		
10	To undertake detail study on fish resources of GOMBR/GOMNP their current status, distribution, diversity, abundance, prevailing threats and productivity potential and suggesting future management protocol for bio-diversity conservation and sustainable fishing practice for important commercial and non-commercial species	FC &RI	10,93,000
11	To undertake a detail study on current status, diversity, abundance of coral reef associated ornamental fishes in GOMBR / GOMNP and future management option by critically examining the current level of threats	FC &RI	13,69,130
12	To undertake detailed study on mangrove habitats in gombr / gomnp areas in order to develop update inventories on their current status, extent, prevailing threats and recommending management prescriptions for putting in place appropriate species/habitat recovery plans and field methodologies specially for endemic species for future monitoring and management”	CAS	10,90,614

#### **PUBLICATIONS IN BOOKS :**

- Uma Maheswari.R , Thanikachalam. M – Critical habitat management in Marine Remote Sensing Application – Prof.S.Ramachandran published by Anna University, Chennai pp. 250 – 281
- Uma Maheswari.R, Thanikachalam.M – Critical Habitat Information system (CHIS) - Prof.S.Ramachandran published by Anna University, Chennai pp. 75 – 86
- Potential and exploitation of seaweed in Gulf of Mannar for the purpose of Pharmaceutical and nutraceutical application – Conservation strategies need for preserving the resources – R.UmaMaheswari&V.Naganathan

- Monitoring of Gulf of Mannar Coastal ecosystem through remote sensing and GIS with higher resolution satellite data – (National Research Moderation and Monitoring workshop pp. 92 – 97
- Environmental Management system for Tuticorin coast using remote sensing and GIS, National Research Moderation and Monitoring workshop, pp 81 – 96
- Monitoring the suspended sediments movement and impact on coastal ecosystem using NHO chart pp. 112 – 118
- Interrelation among coral reef, sea grass and mangrove habitats in the Gulf of Mannar: ecological and economical benefits : V.Naganathan and R.UmaMaheswari
- Conservation and management initiatives in the Gulf of Mannar – importance and Progress. National conference on Coral reef ecosystem.
- Coral Reefs of India by M.Thanikachalam, R.UmaMaheswari and S.Ramachandran pp 92 – 110.
- Remote sensing application in Coral reef studies at Gulf of Mannar and Kadamat island by M.Thanikachalam, R.UmaMaheswar, K.Suganya and S.Ramachandran pp. 209 – 218.

#### **BOOKS EDITED:**

- National Research Moderation and Monitoring workshop (Vol I) – Edited by V.K.Melkani , V.Naganathan and R.UmaMaheswari
- National Research Moderation and Monitoring workshop (Vol II) – Edited by V.K.Melkani , V.Naganathan and R.UmaMaheswari
- Biological Richness of Gulf of Mannar (Tamil version) – Edited by V.K.MelkaniV.Naganathan and R.UmaMaheswari
- Marine resources available in Gulf of Mannar Marine National Park (Tamil version) – Edited by S.Shenbagamoorthy and R.UmaMaheswari
- Types of Crafts and gears practiced in Gulf of Mannar (Tamil version) - Edited by V.K.MelkaniV.Naganathan and R.UmaMaheswari

- A student manual on resources of Gulf of Mannar (Tamil version) - Edited by V.K.Melkani V.Naganathan and R.UmaMaheswari

## PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

- **Ramaswamy Umamaheswari**, Sundarajan Ramachandran and Elavumudi P. Nobi, Mapping the extend of seagrass meadows of Gulf of Mannar Biosphere Reserve, India using IRS ID satellite imagery –International Journal of Biodiversity and Conservation Vol. 1(5) pp.187 – 193, Septemeber , 2009
- E.P.Nobi, **R. UmaMaheswari**, C.Stella and T.Thangaradjou. Land use and land cover Assesment along Pondicherry and its surrounding using Indian Remote sensing satellite and GIS - American – Eurasian Journal of Scientific Research 4 (2) : 54 – 58, 2009.
- **Umamaheswari. R**, Rajkumar. R.OM, Surendran. A and Krishnamoorthy. B.S Monitoring Changes In Land Use/ Land Cover Using Multi Temporal/Sensor Satellite Data (A Case Study In Palani). International Journal of Recent Scientific Research Vol. 6, Issue, 2, pp.2867-2870, February, 2015
- S.Mallika, **R. Umamaheswari** and S.Krishnamoorthy. Physico-chemcial analysis of Vaigai River water quality in Madurai Dist. TamilNadu. International Journal of Applied Research 1 (8): 597-600 (June 2015)
- S Mallika, **R Umamaheswari** and S Krishnamoorthy. Physico-Chemical parameters and bacteriological study of vaigai River Water Madurai district, Tamilnadu, India. International Journal of Fisheries and Aquatic Studies 2017; 5(1): 42-45.
- S. Mallika, **R. Umamaheswari** and S. Krishnamoorthy. Environmental monitoring of water pollution level on the vaigai river in Madurai district, Tamilnadu, India. European Journal of Biomedical and Pharmaceutical Sciences 2017; 4(12):581-584
- P. Pavatharini, **R. Umamaheshwari** and S.Krishnamoorthy. Environmental impact of ground water quality parameters in Dindigul district, Tamilnadu, India World Journal of Pharmaceutical Research., 2017; 6(14): 1165-1174.
- M. LathaShanthi, **R. Umamaheswari** and S. Krishnamoorthy. Efficiency of vermicompost production from poultry droppings and pressmud by using

*Eudriluseugeniae*, European Journal of Biomedical and Pharmaceutical Sciences 4(1): 2017.

- N Puvaneswari, **R Uma Maheswari**, R Prema, S Krishnamoorthy. Screening of nematicidal activity and phytochemical analysis of *Caesalpiniasappan* (Linn).. International Journal of Botany Studies, Volume 6, Issue 3, 2021, Pages 620-626
- Jeevalatha A, **Umamaheswari R**, Krishnamoorthy S. Control of root-knot nematode *Meloidogyne Incognita* by Nimin (Triterpenes) on green gram *VignaRadiata* (L.). International Journal of Entomology Research, Volume 6, Issue 3, 2021, Pages 170-173
- R V Kalaimathi, **R Umamaheswari**, S Krishnamoorthy. Genetic polymorphism in the field populations of *Pectinophoragossypiella* (Saunders) by using RAPD-PCR. International Journal of Entomology Research, Volume 6, Issue 4, 2021, Pages 188-192
- **R Umamaheswari**, M Mohanasundari, P Pavatharani, R Prema, S Krishnamoorthy. Preliminary phytochemical investigation of brown sea weed *Sargassumwightii* and *Turbinariaconoides*. International Journal of Botany Studies, Volume 6, Issue 5, 2021, Pages 1371-1375
- M Lathasanthi, **R Umamaheswari**, S Krishnamoorthy. Study on the density and distribution of earth worms (DDEW) towards in-Situ Vermiculture technology. International Journal of Entomology Research, Volume 7, Issue 4, 2022, Pages 227-231
- **Umamaheswari R**, Jeevalatha, Kalaimathi, Krishnamoorthy, Lathashanthi, Pavatharani. Butterfly species assemblages and abundance of Kurangani and Kumbakarai Falls area, Theni district, Tamilnadu, India. International Journal of Entomology Research., 7 (12):143-146.

#### SEMINARS / SYMPOSIUM / WORKSHOP ATTENDED:

S.No	Seminar/symposium/workshop/Awareness programme	Presented/participated/conducted	Venue/Date
1	Aqua- terr annual symposium	Presented	School of Biological Science, M.K.University Dt Feb 27 – 28, 1998

<b>2</b>	<b>Remote sensing applications in Marine Science</b>	<b>Participated</b>	<b>Institute for Ocean Management, Anna University, Chennai Dt. Sept.21 – 22, 1998</b>
<b>3</b>	<b>National seminar on Marine Remote sensing Application</b>	<b>Participated</b>	<b>Institute for Ocean Management, Anna University, Chennai Dt. Sept.23 – 25, 1998</b>
<b>4</b>	<b>A National level workshop on “ Research Moderation and Monitoring”</b>	<b>Conducted</b>	<b>Hotel Saradha Rajan, dt.Dec 15 – 16, 2006</b>
<b>5</b>	<b>Training Workshop on Marine Biodiversity and its conservation issues of GOMBR</b>	<b>Participated</b>	<b>Gulf of Mannar Biosphere Reserve Trust Dt. Nov 15 - 17, 2006</b>
<b>6</b>	<b>Workshop on biodiversity and conservation strategies on the threatened and endangered species of Gulf of Mannar Biosphere</b>	<b>Participated</b>	<b>Fisheries college and Research Institute Dt. March 29 – 30 , 2007</b>
<b>7</b>	<b>National workshop on Genomics, Proteomics and Nanoinformatics</b>	<b>Participated</b>	<b>Bioinformatics Infrastructure facility, AlagappaUniversity, dt March 14 – 16th, 2007</b>
<b>8</b>	<b>Training workshop on CapacityBuilding in Identification on Marine Scheduled animals</b>	<b>Participated</b>	<b>Gulf of Mannar Biosphere Reserve Trust Dt. Oct 4 – 6, 2007</b>
<b>9</b>	<b>National conference on Coral Reef ecosystem</b>	<b>Participated</b>	<b>SDMRI, dt.Sept 18 – 19, 2008</b>
<b>10</b>	<b>National Level Seminar on The Role of stakeholders for quality sustenance in higher education</b>	<b>Participated&amp; Presented</b>	<b>A.P.A.C, Palanidt March,17th , 2009</b>
<b>11</b>	<b>An awareness programme on Silk mark</b>	<b>Participated</b>	<b>A.P.A.C, Palanidt July 17th , 2009</b>
<b>12</b>	<b>National Level seminar on “ Bio-</b>	<b>Presented</b>	<b>Fatima College, Madurai</b>



	<b>Resource Management - An integrated Approach”</b>		<b>on 24th July, 2009</b>
<b>13</b>	<b>National Workshop on “Ecofriendly Pest Management”</b>	<b>Participated</b>	<b>S.V.N. College, Madurai, dt 2nd Feb, 2011</b>
<b>14</b>	<b>International Conference on “Global competitiveness in Biology, chemistry and Environment : For a better tomorrow’</b>	<b>Participated &amp; Presented</b>	<b>Rev J acob Memorial Christian College, dt 3rd Feb, 2011</b>
<b>15</b>	<b>State Level Workshop on “Entrepreneurial Botany”</b>	<b>Participated</b>	<b>A.P.A.C, Palanidt July 7th,8th , Feb 2011</b>
<b>16</b>	<b>One day State Level Seminar on “recombinant DNA technology”</b>	<b>Participated</b>	<b>A.P.A.C, Palanidt July 23rd , Feb 2011</b>
<b>17</b>	<b>International symposium on Environmental Risk Assesment , 2011</b>	<b>Participated</b>	<b>Bharathiyar University 17th -19th March 2011</b>
<b>18</b>	<b>Emerging Trends in Life science</b>	<b>Presented</b>	<b>Navarasam Arts and Science College for women, 18th August, 2011</b>
<b>19</b>	<b>International Conference on environment, Genes, Health and Diseases-2011</b>	<b>Presented</b>	<b>Bharathiyar University, 9 – 11th December, 2011</b>
<b>20</b>	<b>State Level seminar on Nuclear energy, “Nuclear Reactor &amp; their safety – an overview”</b>	<b>Participated</b>	<b>A.P.A.C, Palanidt Dec 26th , 2011</b>
<b>21</b>	<b>Current Scenario in Research field and Entrepreneurial potentials of Veteniary and animal Science at P.G.Department of Zoology,</b>	<b>Participated</b>	<b>Vivekanda College, 23rd January, 2012</b>
<b>22</b>	<b>International Workshop on Radiation Technology in Health care and its safety</b>	<b>Participated</b>	<b>Bharathiyar University 5 -8th March 2012</b>
<b>23</b>	<b>National conference on</b>	<b>Presented</b>	<b>Bharathiyar University</b>

	<b>Phytomedicine</b>		<b>4 -5th October, 2012</b>
<b>24</b>	<b>A workshop on “ Orientation and Retraining of Teachers”</b>	<b>Participated</b>	<b>A.P.AW.C.W, 2nd, February, 2013</b>
<b>24</b>	<b>Bioinformatics: Tools and Applications</b>	<b>Participated</b>	<b>Lady Doak College, 24th – 28th September,2012</b>
<b>26</b>	<b>National level seminar on Energy and Nano Technology</b>	<b>Participated</b>	<b>12th April 2013 ARACW, Palani</b>
<b>27</b>	<b>One day National level Seminar on “The Widening Horizons of Chemistry”</b>	<b>Presented</b>	<b>A.P.A.C.W, 11th February, 2013</b>
<b>28</b>	<b>International conference on Advances in Numerical Analysis and Applied Mathematics</b>	<b>Participated</b>	<b>A.P.A.C.W, 24th, August 2013</b>
<b>29</b>	<b>National level seminar on “ Biodiversity – A perspective for Future Era”</b>	<b>Presented</b>	<b>A.P.A.C.W, 28th January, 2014</b>
<b>30</b>	<b>State level seminar on ”Recent Trends in Material Science and Energy Science</b>	<b>Participated</b>	<b>A.P.A.C.W, 7th , March, 2014</b>
<b>31</b>	<b>A workshop on “ Orientation and Retraining of Teachers”</b>	<b>Participated</b>	<b>A.P.A.C.W, 19th , July, 2014</b>
<b>32</b>	<b>“Effect on Marine Biodiversity due to Global warming”</b>	<b>Presented</b>	<b>8th International Conference on SET, organized by School of Advanced Sciences, VIT University, Vellore during May 6 – 7, 2014.</b>
<b>33</b>	<b>One day National level Seminar on ”Recent advances and challenges in Plant Science” at Botany Department</b>	<b>Participated</b>	<b>A.P.A.C.W, 6th March, 2015</b>

<b>34</b>	<b>A workshop on “ Orientation and Retraining of Teachers”</b>	<b>Participated</b>	<b>A.P.A.C.W, 11th , April, 2015</b>
<b>35</b>	<b>One day National level Seminar on “Bio synergy – 2015”</b>	<b>Participated</b>	<b>A.P.A.C.W, 17th , March, 2015</b>
<b>36</b>	<b>One day National level Seminar on “Recent Challenges in Zoology”</b>	<b>Participated</b>	<b>A.P.A.C.W, 8th September, 2015</b>
<b>37</b>	<b>State Level Seminar on “Emerging Trends in Biology (ETB – 2016)</b>	<b>Participated</b>	<b>G.T.N.Arts College , Dindigul 14th October, 2016</b>
<b>38</b>	<b>One Day Workshop on Virtual Dissection Lab in Zoology,</b>	<b>Participated</b>	<b>Department of Biotechnology, Mother Teresa Women’s University, 18th October, 2016</b>
<b>39</b>	<b>National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI – 2017)</b>	<b>Presented</b>	<b>Department of Zoology, Thiruvalluvar University, Vellore, 3rd October, 2017</b>
<b>40</b>	<b>International Seminar on Waste Management</b>	<b>Participated</b>	<b>MHRD, Thiagarajar College. 3rd September, 2018</b>
<b>41</b>	<b>National Conference on Basic and Applied Biological Sciences - 2018</b>	<b>Participated</b>	<b>Department of Biochemistry, Bharathiyar University 11th October, 2018</b>
<b>42</b>	<b>National Conference on Western Ghats : Threats and Conservation (WGTC – 2018)</b>	<b>Participated</b>	<b>Department of Zoology, The American College, Madurai 17th October, 2018</b>
<b>43</b>	<b>A one Day National Level Workshop on “ Skills to Scale High”</b>	<b>Participated</b>	<b>College and Meenakshi Mission Hospital&amp; Research Centre, Madurai</b>

			<b>24.01.2019</b>
<b>44</b>	<b>One day NAAC sponsored National Seminar on “Challenges in Quality Sustenance in Higher Education”</b>	<b>Presented</b>	<b>IQAC APACW 29<sup>th</sup> Jan, 2019</b>
<b>45</b>	<b>One Day International Seminar on Biological Sciences (ISBS-2019)</b>	<b>Presented</b>	<b>Department of Zoology &amp; Botany , APACW, 4<sup>th</sup> February, 2019</b>
<b>46</b>	<b>A National Conference on “Coral Reefs : Threats and Conservation CRTC - 2019</b>	<b>Participated</b>	<b>Department of Zoology, The American College, Madurai 12th February, 2019</b>
<b>47</b>	<b>An Orientation Programme on “Outcome Based Education – A Perspective</b>	<b>Participated</b>	<b>IQAC APACW, Palani 7th February, 2019</b>
<b>49</b>	<b>One Day National Workshop on “Intellectual Property Rights”</b>		<b>IPR Cell St.Antony’s College of Arts and Sciences For Women, Dindigul, 9<sup>th</sup> August, 2019</b>
<b>50</b>	<b>International Conference on “Emerging Trends in Chemical Sciences”</b>	<b>Participated</b>	<b>Department of Chemistry APACW, 06.09.2019</b>
<b>51</b>	<b>International Conference on “Current Scenario in Plant Science and Environmental Conservation”</b>	<b>Presented</b>	<b>Department of Botany APACW. 07.01.2020</b>
<b>52</b>	<b>International conference on “Environmental Degradation and its impact on Society: Measurement Management and Conservation”</b>	<b>Presented</b>	<b>Department of Zoology APACW, 20.01.2020</b>

<b>53</b>	<b>A one Day Workshop on “Train the Trainer Programme Initiative”</b>	<b>Participated</b>	<b>Arts Departments, APACW, 19.03.2020</b>
<b>54</b>	<b>Skill oriented Online course on “Numerical Ability-Test of Reasoning”</b>	<b>Participated</b>	<b>APACW, Palani 05.05..2020-7.5.2020</b>
<b>55</b>	<b>Online Training Course on “Bee Keeping”</b>	<b>Participated</b>	<b>Department of Zoology Khadir Mohideen College’ Adiramapatinam- 614701 19.05.2020-23.05.2020</b>
<b>56</b>	<b>Internship Training For Students On “Beneficial Insects”</b>	<b>Organised</b>	<b>Department of Zoology APACW 26.05.2020-30.05.2020</b>
<b>57</b>	<b>A Seven Day National Level Online Faculty Development Programme on “Ethical Standards in a professional Contest”</b>	<b>Presented</b>	<b>APACW, Palani 1.8.2020-7.8.2020</b>
<b>58</b>	<b>World down Syndrome Day</b>	<b>Organised</b>	<b>Department of Zoology APACW, 21.04.2021</b>
<b>59</b>	<b>A Two day online Capability Enhancement programme on Terrace Gardening</b>	<b>Participated</b>	<b>Department of Botany APACW, 29.05.2021-30.05.2021</b>
<b>60</b>	<b>Internship Training Programme on “Sericulture”</b>	<b>Organized</b>	<b>Department of Zoology APACW 8.03.2021-17.03.2021</b>
<b>61</b>	<b>Virtual lecture workshop on “recent Advances in Microbiology And biotechnology”</b>	<b>Participated</b>	<b>Department of Biochemistry, Sacred Heart College, Tirupattur.</b>

<b>62</b>	<b>World Diabetes Mellitus Day - A Hands on Training To students</b>	<b>C0-Ordinator</b>	<b>Department of Zoology APACW 14.11.2022</b>
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#### **ATTENDED FUNDED TRAINING PROGRAMME / FUNDED WORKSHOP**

Attended Winter school on “ Advanced Biological Techniques for Fisheries Professionals’ by Tamil nadu Fisheries and Animal Sciences, University, dt 5<sup>th</sup> – 25<sup>th</sup> Nov, 2008

Attended 5 Days Workshop on “Learning to address Climate Change” for College Faculties from 27.01. 2020 to 31.01.2020 at Central University of Kerala, Kasargod, Kerala.

Attended DST Sponsored Two Weeks National Online Training Programme on “Advances in Integrated Watershed Management for Rural Livelihood” from 28<sup>th</sup> February to 11<sup>th</sup> March,2022 at ICAR – IISWC, Research Centre, Udhagamandalam, Tamilnadu

Attended a three day residential Master Trainer’s Training Programme on Capacity Building of Faculty as Master Trainers for Community Based Participatory Research under Unnat Bharat Abhiyan (2.0) held from 27<sup>th</sup> – 29<sup>th</sup> April, 2022 at The Gandhigram Rural Institute, Ganhigram.

#### **ACTED AS RESOURCE PERSON**

- Delivered a guest lecture on “Marine Resource Management” organized by Department of zoology, Fatima College, Madurai on 24<sup>th</sup> July, 2009
- Delivered a guest lecture on “Conservation and sustainable utilization of biodiversity of Gulf of Mannar” organized by Department of Zoology, S.V.N.College, Madurai on 11.02.11.
- Delivered a guest lecture on “Gulf of Mannar as a Paradise” organized by Department of zoology, G.T.N.College, Dindigul on 28<sup>th</sup> February, 2012
- Delivered a guest lecture on “Employment opportunity in zoology” organized by PG Department of Zoology, The Madura College, Madurai on January 2014.

- Delivered a lecture on “Opportunities in Marine Science” in Two days Webinar on Emerging Trends in Life Sciences at JayarajAnnapackiam College For Women, Periyakulam on 04.03.2021
- Delivered a lecture on “ Facts and Fun of Migratory Animals” on 24.04.2021 organised by Department of Zoology Of M.V.Muthiah Government Arts college for Women, Dindigul.
- Delivered a lecture on the topic “ Importance of Translation” by Department of Tamil of ArulmiguPalaniandavar Arts College for Women, Palani on September 30, 2022.
- Delivered a lecture on “ The role of soil in enriching the biodiversity” conducted by NSS unit of ArulmiguPalaniandavar Arts College For Women at Mannur on 09.03.2023.

#### **M.Phil GUIDING:**

2 students – M.Phil Part- time Zoology

1.Mrs.C.Rajarajeswari – 217238EP003

2.Mrs.N.Selvi–217238EP004

#### **PH.D PROJECT GUIDING:**

**5 students - Affiliated to Mother Teresa University**

#### **Completed – 2**

1.Mrs.R.Bhavani

H.O.D of Zoology,

M.V.M.Arts College for Women, Dindigul.

2.Mrs.S.Mallika,

Associate Professor &head,

Department of Zoology,

A.P.A.C.W, Palani.

### **Ongoing - 3**

1.Mrs.R.Yuvarani

Assistant Professor in Zoology,

Meenakshi College for Women, Madurai.

2.Mrs.P.Pavatharini,

Assistant Professor in Zoology,

A.P.A.C.W, Palani

3.Mrs.M.Latha Santhi,

Assistant Professor in Zoology,

A.P.A.C.W, Palani

### **HONOURS / AWARDS RECEIVED**

- ❖ Junior Research Fellow – Award received from Ministry of Earth Science , 1999
- ❖ Fellow of Indian Academic Researchers Association (FIARA) award on 2022.

### **STUDENTS PROJECT:**

A student scheme under DBT sponsored project approved by the Tamil nadu State council for science and technology project entitled “ Women Entrepreneur Activity for Rural students through Eco- friendly Ornamental Fish Culture” – Rs.10,000/- **For the year 2010**

A student scheme under DBT sponsored project approved by the Tamil Nadu State council for science and technology project entitled “ Study the changes of Physicochemical parameters and heavy metal Assesment of Shanmuganathi River Water, Palani, Dindigul” – **Rs.10,000/- For the year 2017**

### **MAJOR RESEARCH PROJECT FUNDED BY UGC:**



“Relationship between land use / land cover changes and temperature – A study using multitemporal remote sensing data” funded by UGC for academic year 2012-13 – A sum of Rs.12,00,000/- was awarded

#### **FUNDED PROGRAMME:**

Received a sum of Rs.75,000/- from NAAC to conduct a IQAC sponsored National Seminar on “Challenges in Quality Sustenance in Higher Education” on 29.01.2019.

Received Rs.40,000/- from National biodiversity Authority of India to conduct an Awareness Programme on “Biodiversity & Biodiversity Act” on 25.09.2019.

Received amount of 48,000/- from Lady Tata Memorial Trust and conducted an Online Teacher Training Lecture Workshop on 06.09.22 to 08.09.2022 for Professors on the topic “ Emerging Trends in Biotechnology “Relevance to Human Health”

#### **CERTIFICATE OF APPRECIATION**

Received Certificate of Appreciation by Tamilnadu State AIDS control Society and State Blood Transfusion Council for organizing Voluntary Blood Donation camp on 08.02.2016 at Arulmigu PalaniAndavar Arts college for Women, Palani

Received certificate of Appreciation by Dindigul District Administration for participating in planting trees to accomplish a world record in the title “Most Trees planted by a Team in 4 hours” on December 23, 2022 at Idayakottai village, Oddanchatharam, Dindigul

#### **MEMBERSHIP IN INTERNATIONAL SOCIETIES**

- Member of International Society for Environmental Information Sciences(**ISEIS**)
- Accredited member of the International Society of Zoological Sciences(**ISZS**)
- Member of Hong Kong Chemical, Biological& Environmental Engineering Society (**HKCBES**).

#### **AS A REVIEWER OF PEER REVIEWED JOURNALS**

- ❖ Journal of Agriculture and Ecology Research International
- ❖ Asian Journal of Research in Agriculture and Forestry
- ❖ Journal of Materials Science Research and Reviews
- ❖ Asian Journal of Fisheries and Aquatic Research
- ❖ Archives of Current Research International

- ❖ Annual Research & Review in Biology
- ❖ International Journal of Zoological Investigations
- ❖ Journal of Global Ecology and Environment

#### **Board of Studies member**

- ❖ PG and Research Centre in Zoology, Vivekananda College, Tiruvedakam West, Madurai
- ❖ PG Department of Zoology, Fatima College, Madurai
- ❖ Department of Biochemistry, Yadava College, Madurai