

## PROFILE



Name : **Dr. M.R.DELPHINE ROSE**  
Designation : Associate Professor  
Department : P.G.&Research centre of Zoology  
DateofBirth : 30-06-1966  
DateofAppointment : 20-06-2001

Address :**MatharManzil,  
Mahatma Gandhiji Road,  
Thamaraikulam,Periyakulam-625601.  
Theni District, Tamilnadu, India.**

Areaofspecialization :**Immunology**

<b>Academic Qualifications</b>	<b>University /Yearof passing</b>	<b>Class / Merit obtained</b>
SSLC	BoardofSecondaryEducation/1981	I
HSC	BoardofHigherSecondaryEducation/ 1983	I
B.Sc-Zoology	MaduraiKamarajUniversity/1986	I
M.Sc	MaduraiKamarajUniversity/1988	I
M.Phil	BharadhidasanUniversity/1989	I
M.Ed	AnnamalaiUniversity/ 1992	I
CYP/HRD DiplomainYouthin Development Work	AnnamalaiUniversity/ 2007	I
Ph.D	M.S.University,Tirunelveli/2008	-

M.Phil Project : Bio-chemical studies on the effect of insulin on the muscle, liver tissues of *Oreochromismossambicus*.

Title of Ph.DThesis :Isolationandpurificationoflectinfromapill millipede, *Arthrosphaeradisticta*.

## I (B).PROFESSIONRELATEDACTIVITIES

### Positionsheld intheCollege

<b>Position</b>	<b>Committee</b>	<b>Year</b>
Member	Discipline Committee	2001–2006
Member	Physical Education	2006-2007
Staff Advisor	FineArts Committee	2007–2009
Programme Officer	NSS–ProgrammeOfficer	2009–2011
Staff Advisor	Extension Service	2011–2012
StaffAdvisor	FineArts	2012-2013
ProgrammeOfficer	NSSProgrammeOfficer	2013-2014
Co-ordinator, Member	Minority,Hopeclub	2014–2015
Coordinator,Member	Minority,IQAC	2015-2016
Coordinator,Member	Minority,IQAC	2016-2017
Coordinator,Member	Minority,IQAC	2017-2018
Member	IQAC	2018-2019
Coordinator,Member	Eco Club, Green Campus and WasteWaterManagement,IQAC	2019-2020
Coordinator	EcoClub,GreenCampusand Waste Water Management, Environmental Studies	2020-2021
Coordinator	EcoClub,GreenCampusand Waste Water Management, EnvironmentalStudies	2021-2022
Member	ResearchCommittee,Discipline Committee	2021-2022
Co-Ordinator	IQAC	2022-2023
Co-Ordinator	EcoClub,Eco Club,GreenCampus andWasteWaterManagement, Entrepreneurship Cell	2023-2024
Co-Ordinator	EcoClub,Eco Club,GreenCampus andWasteWaterManagement, Entrepreneurship Cell	2024-2025
Member	ResearchCommittee,Discipline Committee	2025-2026
Secretary	Staff club	

## **Membership of Professional Bodies**

- Member of the Board of Studies in Zoology of Jayaraj Annapackiam College for Women

(Autonomous), Periyakulam since 2004-05.

**Question Paper Setting/Valuation**

Year	Institution	Setting/Valuation
8 <sup>th</sup> ,9 <sup>th</sup> &10 <sup>th</sup> December2010	MotherTeresaWomen's University	CentralValuation

## I. RESEARCH AND DEVELOPMENT RELATED ACTIVITIES

### II (A). Research Publication (IN JOURNALS)

1. "Biochemical studies of insulin effect on freshwater fish, *Oreochromis mossambicus* on muscle tissue", J. Curr. Sci. 7(2): 505 -508(2005)
2. "Biochemical studies of insulin effect on fresh water fish, *Oreochromis mossambicus* on liver tissue", J. Curr. Sci. 7(2): 499 - 503 (2005).
3. Critical analysis of groundwater quality of Nilakkottai Taluk of Tamil Nadu, India. J. Curr. Sci. 9(2): 931 - 934(2006).
4. Physico-Chemical status of ground water in Dindigul District, Tamil Nadu. Aquacult. Vol 8(1): 133 - 137(2007).
5. Drinking Water Quality Analysis of some Bore-well water of Theni District, Tamil Nadu. Environment & Ecology 255(1): 212 - 215(2007).
6. Influence of medicinal plant products on the bio-energetic parameters of *Oreochromis mossambicus* as a function of feeding frequency. J. Aqua. Biol. Vol 22 (2): 167 - 172 (2007).
7. Biomass and density effects on the haematological changes of freshwater fish, *Cyprinus carpio*. J. Aqua. Biol. Vol. 22(1): 169 - 172(2007).
8. Characteristics of groundwater quality of selected areas of Dindigul District. Tamil Nadu. J. Aqua. Biol. Vol. 23(2): 40 - 43(2008).
9. Drinking water quality of schools in Theni District. Environment & Ecology, 27(4): 1503 - 1506(2009).
10. Water quality assessment in Theni District, Tamil Nadu, India. J. Aqua. Biol. 25(1):66 -68(2010).
11. Effect of different animal diet on energy budget of freshwater fingerlings *Catla catla* and *Cirrhinus mrigala*. Res. Environ. Life Sci. 4(2):75-78(2011).
12. Physico Chemical study of groundwater of selected areas in Theni Dist, Tamil Nadu. J. of Curr. Sci – Vol (16) 2:2011.
13. Evaluation of physical and chemical characteristics of water at Sothuparai reservoir, Theni Dist, Tamil Nadu, India. International Research Journal of Environment Sciences, Vol.3(8), 36-39; ISSN 2319-1414, August, 2014
14. Diversity and distribution of aquatic insects in Sothuparai reservoir, At Periyakulam, Theni District Tamil Nadu, India. International Journal of Current Research and Review, Vol.7: Issue (9): 10 – 15. May, 2015
15. Feeding guild and diversity of avifauna at Sothuparai reservoir, Periyakulam, Theni district, Tamil Nadu, India. International Journal of Recent Scientific Research, vol.6, Issue, 12, pp.:0976-

3031,December,2015

16. Invertebrate Lectins and their Biomedical Importance. Journal of the International Association of Advanced , Technology and Science, Vol.16, March, 2015, ISSN No: 4347-4482,

17. Diversity of Insects in Sugarcane Field at Chinnamanur, Theni District, Tamilnadu, International journal for innovative research in multidisciplinary field. Vol-2, Issue-10, Oct-2016.

18. Foraging Patterns of birds in resource partitioning in Tropical mixed dry Deciduous Forest, India, Journal of Energy and Natural Resources, ISSN: 2330-7366, 2016, Volume 5 Issue 2 pp16-29

19. Eco-hydrobiology with Special Reference to Entomofauna and Avifaunal Diversity of Sothuparai Reservoir, Periyakulam, Theni District, Tamilnadu, India, Hydrology ISSN: 2330-7609, 2016, Vol.4(3), pp26-34.

20. Pollination by Insects in *Tagetes Erecta* Linn, JAC Journal of Science, (2016). Humanities and Management. ISSN: 2347-9868 3(2).104-113.

21. A Study on Anemia in Relation to Age and Sex among the School Students T. Sindalaichery, Theni (Dt) JAC Journal of Science, (2017). ISSN: 2347-9868, Vol.5(1), 213-223.

22. Biodiversity of Insects in Paddy Field at Jeyamangalam, Theni District, India. International Journal of Current Trends in Science and Technology (2018) Print ISSN: 0976- 9498 Pg: ZO20197-20202

23. Abundance and Diversity of Pests in Paddy Fields in Theni District, India. International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Vol 9, Issue-1, January – 2021, Impact factor: 7.429.

24. Nirmala T, K. Jency Priya, and M. R. Delphine Rose 2021. Physico chemical analysis of coffee effluent before and after treatment with *Tridax procumbens* and its impact on the growth of tomato plant *Solanum lycopersicum*. Poll Res. 40 (2): 497-505.

25. Nirmala T, M. R. Delphine Rose, K. Jency Priya, and B. Vijayabharathi 2021. Physico-chemical analysis of contaminated soil and effluent collected from tannery industries in Dindigul, India. Poll Res. 40 (2): 423-428.

26. Nirmala. T, K. Jency Priya and M. R. Delphine Rose 2021. Physico-chemical and heavy metal analysis of contaminated soil near coffee industry in Jayamangalam, Theni district, T.N., India Eco.Env. & Cons. 27 (2): 900-904.

27. T. Nirmala, Arockiam Thaddeus, Anita Kannagi, V. Santhi, S. Catherine P. Alexander, C. Sagaya Rani, M.R. Delphine Rose, V. Jemima Florence Borgia, S. Iruthaya Kalai Selvam, L. Merlin Dayana, A. Irudaya Lourdu Gladis, S. Devashanthi, P. Pushpa and R. Medona Mary 2021.

Establishment of water quality index in different waters of Theni and Dindigul districts. Poll Res. 40 (2): 485-492.

28. Sheela A, Delphine Rose M.R Abundance of Insect Diversity in Paddy Fields of Bodinayakanur Theni District of Tamilnadu, India, Research and Reviews Journal of Agriculture and Allied Sciences, May 2021 Vol 10 (2) : ISSN : 2319 – 9857.
29. Sheela A, Delphine Rose M.R, “Distribution of insects at Gokilapuram paddy field in Theni district, Tamilnadu” Eco. Env. & Cons. 28(1) : 2022; pp(554-558). ISSN NO- 0971-765X.
30. **Anitha Mary** and Dr. M.R. Delphine Rose, “Assessing the Impact of Physico-Chemical Factors of Vaigai Reservoir Water in Theni District, Tamilnadu, India” Vol.12 / Issue 69 / December / 2021. Indian Journal of Natural Sciences, ISSN: 0976 – 0997, pg- 37146 to 37150.
31. **Mrs. Anitha Mary A** , Dr. Mrs. Delphine Rose M. R , Dr. Sr. Iruthaya Kalai Selvam, Mrs. Kasthuri Santira Kumari D & Kayalvizhi R. P. ‘Green synthesis of silver nanoparticles using flower extract of *Calotropis gigantea* and evaluation of its antimicrobial activity, Strad Research Journal. VOLUME 9, ISSUE 4, 2022. Pg- 16-21. <https://doi.org/10.37896/sr9.4/003>
32. **A. Anitha Mary** and Dr. M.R. Delphine Rose, Biodiversity of Aquatic insects from Vaigai reservoir in Theni district, Tamilnadu, India. VOLUME 9, ISSUE 5, 2022. Strad Research Journal. Pg- 55 to 61. ISSN: 0039-2049. <https://doi.org/10.37896/sr9.5/007>
33. **Jarina Banu** and Dr. M.R. Delphine Rose, Adsorption Studies On Coir Pith For Heavy Metal Removal On Tannery Effluent In Dindigul District. Strad Research Journal. VOLUME 9, ISSUE 3, 2022, Pg. 212-220. ISSN: 0039-2049. <https://doi.org/10.37896/sr9.3/022>
34. **Subhalakshmi V. and Delphine Rose M.R.** Physico-chemical parameters study of Manjalar Dam Water Theni District, Tamil Nadu, India Strad Research Journal. VOLUME 9, Issue 7, 2022, Pg. 366 – 380. ISSN: 0039-2049. <https://doi.org/10.37896/sr9.7/025>
35. **Subhalakshmi V. and Delphine Rose M.R.** Study of Aquatic insects diversity and abundance in Manjalar Dam Theni District, Tamil Nadu, India Strad Research Journal. VOLUME 9, Issue 7, 2022, Pg. 82 – 94. ISSN: 0039-2049. <https://doi.org/10.37896/sr9.7/007>
36. **Mrs. Anitha Mary A, Dr. Mrs. Delphine Rose M. R, Mrs. Kasthuri Santira Kumari D** “Green synthesis of silver nanoparticles using *Calotropis gigantea* and their anti fungal activity” JAC JOURNAL OF SCIENCE, HUMANITIES AND MANAGEMENT (A National Journal),
37. **Ms. S. Jarina Banu, Dr. Mrs. Delphine Rose M. R.** “A Study on the Physicochemical Characteristics and Heavy metal Analysis of Tannery Effluent on Dindigul District”. Indian Journal of Natural Science, Vol. 13/ Issue 75/ December/2022. ISSN NOS: 0976-0997.
38. **Mrs. Anitha Mary A, Dr. Mrs. Delphine Rose M. R,** Water quality studies of Vaigai reservoir with special reference to Physico – Chemical parameters. ABGIR. 2023; 39(4): 581-583.
39. **Mrs. S. Devashanthi, Dr. Mrs. M. R. Delphine Rose,** Distribution of Wetland Birds in Thamaraikulam Pond at Uthamapalayam Taluk, Theni District. The Bioscan, 20(3): 397-400, 2025.

40. **Mrs. S. Devashanthi, Dr. Mrs. M. R. Delphine Rose**, Identification of Aquatic Macrophytes in Odakulam Pond at Boothipuram, Bodinayakanur Taluk, Theni Dt, Indian Journal of Natural Sciences, Vol. 16/ Issue 92/ Oct/2022. ISSN NOS: 0976-0997.
41. **Mrs. S. Devashanthi, Dr. Mrs. M. R. Delphine Rose**, Abundance, distribution of Phytoplankton in Thamaraikulam Pond, Uthamapalayam Taluk, Theni Dt. Ecology, Environment and Conservation, Vol. 31(4):2025, p 185-188.

## Major Project:

Co-investigator in the Major Research Project in Zoology entitled “Composition and Trophic Analysis of entamofauna and endemic avifauna with special reference to physico-chemical analysis of water and soil at sothuparai reservoir, Theni District”.

## II(B). RESEARCH GUIDANCE

**M.Sc Project:** Department of Zoology, Jayaraj Annappa College for Women (Autonomous) affiliated to Mother Teresa Women’s University, Kodaikanal)

Name of the student	Topic	Year of Submission
J. Angel Rani & T. Chitravalli	A study on the physico-chemical characteristics of ground water in Dindigul District.	2005-2006
P. Mahalakshmi	A study on ground water quality in and around areas of Kalliothee, Usilampatty Taluk, Madurai District.	2006-2007
T. Priya	Ground water quality assessment in villages around Usilampatty, Madurai District.	2006-2007
R. Kalaivani	Critical analysis of ground water quality of Aundipatti Taluk, Theni District.	2007-2008
I. Thahira	Drinking water quality analysis of some borewell water from Bodi Taluk, Theni District	2007-2008
N. Amutha & T. Maheswari	Foraging behaviour of insect visitors and pollination ecology of <i>Helianthus annuus</i> .	2008-2009
S. Yuvana Yubatta Mary & M. Elakkiya	Pollination by insects in <i>Lantana camara</i>	2008-2009
P. Murugeswari & R. Nathiya	Effect of <i>Azadirachta indica</i> , <i>Pongamia pinnata</i> and <i>Madhuca longifolia</i> products on <i>Meloidogyne incognita</i> juveniles which affect tomato plants.	2009-2010
K. Kalpana Thath & S. Jarina Banu	Pollination by insects in <i>Tagetes erecta</i> Linn.	2010-2011

S.Mumtaz	AbundanceandRichnessofinsectsin paddy field at Bodinayakanur, Theni District	2011-2012
G.ChellaPandi	Criticalanalysisofborewellwaterat BodinayakanurTaluk, TheniDistrict	2012-2013
R.Deepa	Pollinationbyinsectsin LabLabpurpurens	2013-2014
G.Elekeya	PollinationbyinsectsinLuffa acutangula	2013-2014
M.Dhanalakshmi	AbundanceandRichnessofinsectsin paddyfieldatAlagapuri, Viruthunagar District.	2014-2015
B. Sharmila	AbundanceandRichnessofinsectsin paddy field at Chettinayakkanpatti, DindigulDistrict.	2014-2015
K.Vijayalakshmi	Pollinationbyinsects in <i>Vignamungo</i>	2015-2016
M.MuthuDivya	Pollinationbyinsectsin <i>Abelmoshus esculentus</i>	2015-2016
J.Gnanageetha I.Gowri	Abundance&Richnessofinsects in paddyfieldattjeyamangalam, Theni District	2016-2017
K. Nagajothi	Abundance&Richnessofinsectsin paddy field at theppampatti, Theni District	2017-2018
P.Durgadevi M.Rajeshwari X.VerginMary	Pollinationbyinsects inbrinjal	2018-2019
S.ArunaDevi R.Glory	CriticalAnalysisofBorewellWaterAtTheni District	2019 -2020
M.keerthiga Devi S.Preetha	AbundanceandRichness ofInsectsinPaddy field at Batlagundu, Dindigul District.	2020 -2021
S.Sushmitha	PollinationbyInsectsinMomordica charantia	2021 -2022
SuthandiraDevi	Diversityofavifaunainselectedpondsat Madurai district, Tamilnadu.	2023-2024

### P.hD Project:

Nameofthestudent	Reg. No	Reg.Date	University/College
A.SHEELA	Ph.DZOO15P365	18.02.2015	M. T.University
SUBALAKSHMI	Ph.DZOO15P527	06.07.2017	M. T.University
A.ANITHAMARY	PHDZOO18P577	08.10.2018	M. T.University
S.JARINABANU	Ph.DZOO19P588	22.02.2019	M. T.University

DevaShanthi	PHDZOO23P006	09.03.2023	M. T.University
A.SyedaliFathima	PHDZOO23P022	19.07.2023	M. T.University

### M.Phil Project:

Nameofthe Student	Topic	Year of Submission	University/College
M.Ammu	ImpactofSiddhaDrugsenriched formulated feed and the feeding frequency on growth and biochemicalstudiesinthecommon carp, Cyprinus carpio.	2007-2008	J.A.College for Women,Periyakulam.
R.Kalaiyarasi	Composition and tropic categorizationofaquatic insectsand biomonitoringofselectedstreams of southernwesternghats.	2007-2008	J.A.College for Women,Periyakulam.
S.DevaShanthi	AStudyofanemia inrelationto age and sex among school children in Sindalaicherry, Theni Dt.	2009-2010	J.A.College for Women,Periyakulam.
StarlinPrabha	Comparative study of Physico-chemicalparametersofcoastaland inland water of Kanyakumari District.	2009-2010	M.S.University, Tirunelveli.
M.Rakkammal	Abundance Richness & population dynamicsofinsectsinpaddyfieldat Aundipatty Taluk, Theni District	2016-2017	J.A.College for Women,Periyakulam.
P.Vinnoli	AbundanceRichnessof insects paddyfieldatcumbum,Theni District.	2017-2018	J.A.College for Women,Periyakulam.

### II(C).REFRESHERCOURSE/CONFERENCE/SEMINAR/WORKSHOP PARTICIPATION & ORGANIZATION

#### RefresherCourses/OrientationCoursesattended

Refresher/OrientationCourse	University/College	Date
OrientationProgramme	MaduraiKamaraj University	01-11-2006to28-11-2006
RefresherCourseinLife Science	UniversityofKerala	15-06-2007to05-07-2007
RefresherCourseinLifeScience	UniversityofKerala	08.12.2009to29.12.2009
RefresherCourseinLifeScience	MaduraiKamaraj University	16-11-2012to06-12-2012

#### Seminars/Conferences/WorkshopsattendedinIndia/Abroad

<b>S.No</b>	<b>Date/Year</b>	<b>National/International Seminar attended</b>	<b>Place</b>
1.	09-08-2002	StatelevelConferenceon“Water management:resources,pollution and effect on health”	St.John’sCollege, Palayamkottai.
2.	5 <sup>th</sup> -7 <sup>th</sup> Feb 2003	NationalLevelConferenceon“25 years of Autonomy” – Vision, Experience&futuredirections	Loyola, Chennai.
3.	10-10-2003	StatelevelConference on “AppliedaspectsofIndustrialBio-technology”	HolyCrossCollege, Nagercoil.
4.	20-01-2005	InterNationalWorkshopon “Bioethics Education”	J.A.College for Women,Periyakulam.
5.	24 <sup>th</sup> , 25 <sup>th</sup> Jan2006	Workshopon“BioDiversity Measures”	J.A.College for Women,Periyakulam.
6.	14 <sup>th</sup> -20 <sup>th</sup> Jan2006.	State Level Workshop on “InculcatingPrinciplesforavalue based living”	WomensChristian College,Nagercoil.
7.	7 <sup>th</sup> , 8 <sup>th</sup> Dec. 2006	NationalSeminaron “EnvironmentalBiotechnologyfor human welfare”	J.A.College for Women,Periyakulam.
8.	11,12-01-2007	National Conference on Recent Trends in Understanding and ApplyingtheTheoryandPractice of Values.	J.A.College for Women,Periyakulam.
9.	22,23-02-2007	International Conference on “Opportunities & Challenges in BiotechnologyandEnvironmental Sciences”	VellalarCollegefor Women, Erode.
10.	19,20-12-2007	NationalSeminaron“Participative & Responsive Organizational Dynamics for Quality ImprovementinAutonomous Colleges”.	J.A.College for Women,Periyakulam.
11.	10-03-2008	NationalSeminaron“Environment & Health”	HolyCrossCollege, Nagercoil.
12.	29.8.2008	StatelevelConference on “Christianvaluesforwholesome life”	J.A.College for Women,Periyakulam
13.	27.1.2009	State Level Conference on “ModernBiologicalSciences”	J.A.College for Women,Periyakulam
14.	23.2.2009	UniversityLevelworkshopon “Application of Statistical Packages in Biology”	J.A.College for Women,Periyakulam

15.	02-03-2009 & 03-03-2009	National Conference on "Quality and Relevance in Higher Education-New Challenges"	J.A.College for Women, Periyakulam
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16.	09-03-2009& 10-03-2009	National Seminar on “Conserve the Mother Earth-Need of the Hour”	J.A.College for Women,Periyakulam
17.	14-12-2009& 15-12-2009	State Level Workshop on “Modern Biotechnology in Indian Agriculture”	Priyadarshini Auditorium, Trivandrum.
18.	26-11-2010& 27-11-2010	State Level Workshop on “Higher Education in a changing Environment”	J.A.College for Women,Periyakulam.
19.	06-12-2010& 07-12-2010	National Conference on “Inoculation of Values Holistic life A midst Technological Scenario”	J.A.College for Women,Periyakulam.
20.	16-12-2010	State level Seminar on “Biodiversity-Measures for conservation and Management”	J.A.College for Women,Periyakulam.
21.	2 to 9-03-2011	National Seminar on “Value Education”	NBCLC, Bangalore.
22	12,13-11-2011	Workshop on “Recent trends in science for talented rural students of Periyakulam Educational District	J.A.College for Women,Periyakulam.
23	14,15-02-2012	Workshop on Hands on Training in Avian studies	J.A.College for Women,Periyakulam.
24	18,19-12-2012	National Seminar on “New Frontiers in Biology”	J.A.College for Women,Periyakulam.
25	11 to 15-02-2013	Statistical packages for the Social Sciences	J.A.College for Women,Periyakulam.
26	5 to 10-06-2013	Counsellor Training Course	J.A.College for Women,Periyakulam.
27	19-08-2013	International Seminar on Modern Trends in applied microbiology	J.A.College for Women,Periyakulam.

28	3to7-09-2013	Faculty Training programme in Entrepreneurship	J.A.College for Women,Periyakulam.
29	13-11-2013	Reforms in curriculum development and Examination System	J.A.College for Women,Periyakulam.

- Attended a State level seminar on “Statistical Packages for the Social Sciences” at J.A. College for Women, Periyakulam from 11<sup>th</sup> & 15<sup>th</sup> February, 2013.
- National workshop on E-content development from effective teaching and learning at J. A. College for Women, Periyakulam from 11<sup>th</sup> to 13<sup>th</sup> September 2014.
- National seminar on Interdisciplinary applications of biology at J. A. College for Women, Periyakulam from 28<sup>th</sup> January 2015 to 29<sup>th</sup> January 2015
- Attended sponsored National Seminar on Sustainable Development and the role of women in Nation building on Women and Health in UGC at J.A.College for Women, Periyakulam from 11<sup>th</sup> & 12<sup>th</sup> February 2015.
- One day workshop on Polymerase chain reaction Techniques by Eppendorf India Ltd., Chennai Organized by PG Department of Zoology on 02<sup>nd</sup> September, 2015.
- Ranking the research publication-citation analysis, citation database and anti plagiarism at J. A. College for Women, Periyakulam from 27<sup>th</sup> to 28<sup>th</sup> January 2016
- NAAC Sponsored National Conference on Quality Assurance and Quality Sustainance in Higher Educational Institutions: Challenges and Solutions Organized by Internal Quality Assurance Cell (IQAC) at J. A. College for Women, Periyakulam from 29<sup>th</sup> to 30<sup>th</sup> September, 2016
- International workshop on Statistics using excel and SPSS at Holy cross college, Nagercoil from 9<sup>th</sup> January 2017 to 10<sup>th</sup> January 2017.
- International conference on Genomics at Holy cross college, Nagercoil from 6<sup>th</sup> January 2018.
- Attended the one day national seminar on Emerging trends in Life Science at J.A.College for women, Periyakulam on 9<sup>th</sup> January 2018.
- Attended the two days Workshop on Women In Science and Research at J.A.College for women, Periyakulam on 19<sup>th</sup> and 20<sup>th</sup> February 2018.
- Attended the Workshop on Help at Hand Strengthening Faculty in Counselling Techniques to Facilitate Gen Z at Christopher College of Education Chennai, from 13<sup>th</sup> - 20<sup>th</sup> October 2018.
- Attended the two days national seminar on Emerging trends in Current environmental

issues at J.A. College for women, Periyakulam on 11<sup>th</sup> and 12<sup>th</sup> December 2019.

- Attended Online webinar on outcome based education at J.A. College for women, Periyakulam on 22.05.2020-29.05.2020
- Attended International webinar on Brief perspectives of nanotechnology-Biosynthesis and Bio-application of nano particles at J.A. College for women, Periyakulam on 27.05.2020-29.05.2020
- Attended International webinar on Recent Trends in Life Sciences at J.A. College for women, Periyakulam on 5<sup>th</sup> and 6<sup>th</sup> January 2021.
- Attended the National Level Faculty Development Programme on “Quality Enhancement Initiative Through Innovative Practices” organized by the Internal Quality Assurance Cell, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 3<sup>rd</sup> May, 2021.
- Attended the State level Webinar on “Honey Bees: Hope for Life” on account of World Entrepreneur Day organized by PG and Research Centre of Zoology, StartUp Programme – Apiculture, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 27<sup>th</sup> August, 2021.
- Attended the International webinar on “Recent Trends in Life Sciences -Phase II” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 1<sup>st</sup> September, 2021.
- Participated in the International Conference on “Life Science Research and Intellectual Property Rights” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, St. Joseph’s College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala on 19<sup>th</sup> and 20<sup>th</sup> September, 2022.
- Attended the Webinar on IP Awareness/Training Program under National Intellectual Property Awareness Mission organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with St. Joseph’s College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala on 20<sup>th</sup> September, 2022.
- Attended the National Webinar on Inter Disciplinary Approaches in Biology organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with Department of Zoology, Christ College, Irinjalakuda, Kerala on 06.12.2023.
- Attended National seminar on Interdisciplinary Trends in Life Sciences organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 25.09.2025.

### Training Programmes attended

- International Awareness Workshop and Training Programme on Bioethics Education sponsored by Eubios Ethics Institute on 20<sup>th</sup> January, 2005, at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam – 625601.

### Papers presented

S.No.	Date	Seminar	Title of the paper	Place and date
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1.	22 <sup>nd</sup> ,23 <sup>rd</sup> February 2007	International Conference	Identification of Agglutinins in the Hemolymph of few millipedes	Vellalar College for Women, Erode.
2.	10 <sup>th</sup> March 2009	National Seminar	Critical analysis of total dissolved solids, total hardness and chloride characteristics ground water of selected areas at Aundipatti Taluk.	J.A.College for Women, Periyakulam
3	18 <sup>th</sup> &19 <sup>th</sup> Dec 2012	National Seminar on New Frontiers in Biology	Abundance and richness of insects in paddy field at Bodinayakanur, Theni District	J.A.College for Women, Periyakulam

### **Details of Seminars, Conferences, Symposia organized**

- Organizing Secretary for the National Seminar on “Conserve the Mother Earth-Need of the Hour” in 9<sup>th</sup> & 10<sup>th</sup> March 2010.
- Organizing Secretary for the international workshop on “SPSS” on 5<sup>th</sup> & 6<sup>th</sup> September 2017 at Jayaraj Annapackiam college for women, periyakulam.
- Organizing Secretary for the National seminar on “Emerging Trends in Current environmental issues” on 11<sup>th</sup> and 12<sup>th</sup> December 2019 at Jayaraj Annapackiam college for women, Periyakulam.
- Organizing Secretary for the International webinar on “Recent Trends in Life Sciences -Phase II” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 1<sup>st</sup> September, 2021.
- Convener for the National Webinar on Inter Disciplinary Approaches in Biology organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with Department of Zoology, Christ College, Irinjalakuda, Kerala on 06.12.2023.
- Convener for the International Webinar on Multidisciplinary Approaches in Research for Sustainable Development organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 29.08.2024.

### **AWARD:**

- WOMEN RESEARCHER AWARD by International Scientist Awards on Engineering, Science and Medicine 04 & 05-Jun-2021 | Ooty, India.

**PATENT PUBLISHED**-patent on the title of the invention: “A Nutritional Rich Spirulina Jelly”, patent of Journal No. 19/2022 on 13<sup>th</sup> May, 2022.