PROFILE

Name : Dr. V. JEMIMA FLORENCE BORGIA

Designation : Associate Professor

Department : PG and Research Centre of Zoology

Date of Birth : 10.10.1969

Date of Appointment : 03.10.2007

Area of Specialization : Toxicology

Academic Qualifications	**University /Institution**	**Year of passing**
SSLC	Board of Secondary Education	1985
HSC	Board of Higher Secondary Education	1987
B.Sc – Zoology	Madurai Kamaraj University	1990
M.Sc	ManonmaniumSundaranar University	1992
B.Ed	Annamalai University	1993
M.Phil	Bharadhidasan University	2006
CYP/ HRD Diploma in Youth in Development Work	Annamalai University	2008
Ph.D	ManonmaniumSundaranar University	2018

8. Year of Experience : 18 years

9. M.Phil Project : Effect of siddha drugs enriched formulated feed and feeding frequency on growth and histomorphology in the cichlid fish, *Oreochromis mossambicus.*

10. Title of Ph.D Thesis : Studies on the toxicity of effluent from electroplating industry to the freshwater fish, *Cyprinus carpio*.

RESEARCH PUBLICATIONS DETAILS:

1. Shanthi. V., S. Muthumeena, A. Jeyasheeli and **V.J. Florence Borgia,** 2006. Physico

Chemical status of Varaga River. Journal of Aquatic Biology vol: 21(2):123 –127.

2. **V.J. Florence Borgia**, M. Narayanan, A. Jeyasheeli and V. Shanthi, 2007. Influence of medicinal plant products on the bioenergetic parameters of *Oreochromis mossambicus*as a function of feeding frequency. Journal of Aquatic Biology. 22 (2): 167-172
3. Shanthi. V., **V. Jemima Florence Borgia** and G. Priya, 2009. Effect of density and feeding frequency on the bioenergetics of *Cyprinus carpio*. Journal of Aquatic Biology 24 (1): 211 – 214.
4. Shanthi. V., **V. Jemima Florence Borgia**, N. Saranya and G. Logalakshmi, 2009. Effects of mercury on biochemical parameters of the freshwater teleost *Labeorohita*and *Catlacatla*. Journal of Aquatic Biology. 24 (1): 117 –120.
5. **Jemima Florence Borgia.V.**, V. Shanthi *and* N. Pricilla, 2010. Efficacy of different densities with two kinds of animal diets on the growth of *Cyprinus carpio*. *J.Aqua.Biol*. 25 (1):177-180.
6. Merlin Dayana L., Delphine Rose M. R., Sr. Nirmala T. and **V. Jemima Florence Borgia**. 2011. Effect of different animal diets on energy budget of fresh water fingerlings *Catlacatla*and *Cirrhinusmrigala*. Res. Environ. Life Sci. 4(2):75-78.
7. Shanthi,V., **V. Jemima Florence Borgia**, S. Bhavani and M. Sathya, 2011. Inhibitory effects of *Lactobacillus* species against human pathogens. Research Journal of Pharmacognosy and Phytochemistry.3(4):103-108.
8. Shanthi,V., V.Sivakumar, R.D.Thilaga and **V. Jemima Florence Borgia**, 2011. Bioactive Potential of *Tonna galea* (Linne.1758) from Gulf of Mannar. Global Journal of Pharmacology.5(3):130-135.
9. Anita Kannagi, V. Santhi, **V. Jemima Florence Borgia**. 2013. Hymenopteran diversity in a deciduous forest from south India. International Journal of Biodiversity and conservation. 5(10): 666-670. ISSN No. 2141-243X©2013, 2.264(I.F).
10. V. Santhi, **V. Jemima Florence Borgia**. 2014. Invitro Antibacterial activity, phytochemical screening and FT-IR analysis of *Dodonaeaviscosa*and *Adhatodavasica*.Asian Journal of Biochemical and Pharmaceutical Research (24) 289-298; 2231-25602.56.
11. **V. J. Florence Borgia**, A. J. Thatheyus. 2015. Acute toxicity of effluent from electroplating industry to the common carp, *Cyprinus carpio*Linn. International Journal of Research Studies in Zoology. 1(1):10-14.
12. **V. J. Florence Borgia,** A. J. Thatheyus, A. G. Murugesan, S. Catherine P. Alexander, I. Geetha. 2018. Effects of effluent from electroplating industry on the immune response in the freshwater fish, *Cyprinus carpio*. Fish and Shellfish Immunology 79 Pg: 86-92.

13. **Victor Jemima Florence Borgia,** Antony Joseph Thatheyus and Arunachalam Ganesan Murugesan. 2018. Surface Morphological Changes Induced by Electroplating Industrial Effluent in the Intestine of *Cyprinus carpio*. Science International 6 (2):51-64. ISSN 2305-1884 DOI: 10.17311/sciintl.2018.51.64
14. **V. J. Florence Borgia,** A. Joseph Thatheyus, A. G. Murugesan. 2018. Effect of effluent from electroplating industry on the histology of gills of the freshwater fish, *Cyprinus carpio*. Roots International Journal of Multidisciplinary Researches. Vol. 4, pp. 27-33. ISSN: 2349-8684. Impact Factor: 3.487
15. **V. J. Florence Borgia,** A. J. Thatheyus and A. G. Murugesan, 2019. Impact of electroplating industry effluent on the electrophoretic protein pattern of serum in the freshwater fish *cyprinuscarpio*. Indian Journal of Biochemistry & Biophysics Vol. 56, pp.460-465.ISSN: 0975-0959(online); 0301-1208(print), Impact Factor: 0.537, h-index 37.
16. 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". International Journal of Poll Res. 40 (2): 485-492.
17. **Dr. V. Jemima Florence Borgia**, and Dr. V. Santhi, 2021 "Biodiversity of Insects Fauna Infesting Okra (*Abelmoschus esculentus*) Vegetable Crop Field at Boothipuram, Theni District". Journal of Science, Humanities and Management. Vol.8, No.2, pp.: 70 – 80. ISSN 2347-9868.
18. A. Irudaya Lourdu Gladis, **V. Jemima Florence Borgia**, R. Lakshmanan, S. Mariselvi, and S. N. Suresh, 2023. Biosynthesis and characterization of silver nanoparticles using *Barleria cuspidate* leaves extract and mechanism of antimicrobial action of selected human pathogens. Uttar Pradesh Journal of Zoology, Volume 44, Issue 22, pp: 361 – 368. ISSN: 0256-971X (P). https://doi.org/10.56557/upjoz/2023/v44i223753.

19.Chapter published: Chapter 7 – Adapting Life: Exploring the Impact of Climate Change on Terrestrial and Aquatic Biodiversity **Publisher** String Production May 2024, ISBN- 978-93-6048-526-9

20. Dr. A.Irudaya Lourdu Gladis, Assistant Professor in Botany and Dr. V. Jemima Florence Borgia, Associate Professor in Zoology, 2024. Preliminary phytochemical and antibacterial studies of *Combretum ovalifolium* Roxb. Revista Electronica De Veterinaria, 2024, Vol.25(1), 3617 - 3624 https://doi.org/10.69980/redvet.v25i1.1666.

PAPERS PRESENTED:

1. Presented a paper on "Effect of size, density and temperature on ammonia excretion in *Macropoduscupanus*" in the National Seminar on Technology and Management of Bio resources at St. Xavier's college (Autonomus), Palayamkottai, Tirunelveli on 21st& 22nd March,2005.
2. Presented a paper on "Effect of Siddha drugs enriched formulated feed and feeding frequency on growth in common carp *Catlacatla*" in the National Seminar on Environmental Biotechnology for human welfare at J.A.College for Women (Autonomous), Periyakulam on 7th& 8th December,2006.
3. Presented a paper on "Effect of goat liver on the growth of *Cyprinus carpio*as a function of density" in a National Seminar on Conserve the Mother Earth-Need of the Hour at J. A. College for Women (Autonomous), Periyakulam on 09.03.2009 and 10.03.2009.
4. Presented a paper on "Bio preservative Potential of different *Lactobacillus* Strains against Histamine producer Isolated from sea foods in a National seminar on "Ensuring the Sustainability of Coastal Environment" at St. Mary's College (Autonomous) Thoothukudi on 15th& 16th December2010.
5. Presented a paper on "Impact of Tannery effluent on the biochemical composition of fresh water fish *Oreochromis mossambicus*" in a National Conference on Environmental protection and Management at Loyola College, Chennai on 29th& 30th August2011.
6. Presented a paper on "Toxicity of lead and copper and their effect on biochemical parameters in muscle and gills of freshwater fish *Labeorohita*" in a National Seminar on Bio-Knowledge for better Environment at Syed Hameedha Arts and Science College, Kilakarai on 28th& 29th February2012.
7. Presented a paper on "Studies on the quality of bore well water in Periyakulam and its surroundings areas a statistical analysis" in a National Seminar on New Frontiers in Biology at J. A. College, Periyakulam on 18th& 19thDecember, 2012.
8. Presented a paper on "Impact of Tannery effluent on the quality of ground water in Dindigul District" in a National Seminar on New Frontiers in Biology at J. A. College, Periyakulam on 18th& 19thDecember,2012.
9. Presented a paper on "Immunotoxicity of industrial effluents in fin fish: An alternative animal model for immunotoxicological studies" in an International Conference and Exhibition on Immunology at Crowne Plaza Houston River Oaks, Houston, TX, USA on 28th to 30th September2015.
10. presented a paper entitled "Evaluation of phytochemical and antimicrobial activity of *Abutilon indicum and Ocimum canum"* at the National Seminar on "INTERDISCIPLINARY TRENDS IN LIFE SCIENCES" organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 25.09.2024.

SEMINARS / CONFERENCES ATTENDED:

1. Attended an International Awareness Workshop and Training Programme on "Bioethics Education" at J. A. College, Periyakulam on 20th January,2005.
2. Attended a Seminar on "Environmental Biotechnology" at Horticultural collegeand Research Extension centre, Periyakulam on 9th March,2005.
3. Attended a Workshop on "Office Automation" at J.A College, Periyakulam on 24thand 25th November,2006.
4. Attended National Seminar on "Environmental Biotechnology for Human Welfare"atJ.A College, Periyakulam on 7th and 8th December, 2006.
5. Attended National Conference on "Recent Trends in Understanding and Applying the Theory and Practice the Values" at J.A.College, Periyakulam on 11th and 12th January, 2007.
6. Attended a State level seminar on "Academic uses of Internet at J.A.college, Periyakulam on 26th February, 2007.
7. Attended National Seminar on "Participative and Responsive Organizational Dynamics for Quality Improvement in Autonomous Colleges" at J.A.College for Women (Autonomous), Periyakulam on 19th and 20th December, 2007.
8. Attended a State level Seminar on "Christian Values for Wholesome Life" at J.A.College for Women (Autonomous), Periyakulam on 29th August, 2008.
9. Attended a State level Seminar on "Modern Biological Sciences" at J.A.College for Women (Autonomous), Periyakulam on 27th January, 2009.
10. Attended a University level workshop on "Application of statistical packages inBiology" at J.A. College for Women (Autonomous), Periyakulam on 23rd February, 2009.
11. Attended National Conference on "Quality and Relevance in Higher Education-New Challenges" at J. A. College for Women (Autonomous), Periyakulamon 2nd &3rd March, 2009.
12. Attended a National Seminar on "Conserve the Mother Earth-Need of the Hour" at J.A. College for Women (Autonomous), Periyakulam on 9th& 10th March, 2009.
13. Attended a National Workshop on "Effective Classroom Communication and Teaching Skills for College Teachers" at Christ University, Bangalore on 12th and 13th November, 2009.
14. Attended a National Seminar on "Value Education" at National Biblical Catechetical & Liturgical Centre, Bangalore on 4th to 9thMay, 2010.
15. Attended a Workshop on Higher Education in a Changing Environment" at J. A. College for Women, Periyakulam on 26th and 27th November, 2010.
16. Attended a National Conference on "Inculcation of Values for Holistic Life Amidst Technological Scenario" at J. A. College for Women, Periyakulam on 6th and 7th December, 2010.
17. Attended a National Seminar on "Ensuring the Sustainability of Coastal Environment" at St. Mary's College (Autonomous), Thoothukudi on 15th& 16th December, 2010.
18. Attended a State level Seminar on "Biodiversity- Measures for Conservation and Management" at J. A. College for Women, Periyakulam on 16th December, 2010.

19. Attended a National Conference on "Environmental Protection and Management" at Loyola College, Chennai on 29th and 30th August, 2011.
20. Attended a seminar on Moulding the Christian Youth in the Light of Christ" at J. A. College for Women, Periyakulam on 15th September, 2011.
21. Attended a Workshop on "Recent Trends in Science for Talented Rural School Students of Periyakulam Educational District" at J. A. College for Women, Periyakulam on 12thand13th October, 2011.
22. Attended a National seminar on "New Frontiers in Biology" at J. A. CollegeforWomen (Autonomous), Periyakulam on 18th& 19th December, 2012.
23. Attended a State level seminar on "Statistical Packages for the Social Sciences" at J. A. College for Women, Periyakulam from 11th to 15th February, 2013.
24. Attended a "Counselors Training Course" in accordance with the standards of Anugraha Institute of Counseling at J. A. College for Women, Periyakulam from 5th to 10th, June, 2013.
25. Attended a "Faculty Training Programme in Entrepreneurship" organized by the Department of Economics, Mother Teresa Women's University at J. A. College for Women, Periyakulam from 3rd to 7th, September,2013.
26. Attended a State level Workshop on "Reforms in Curriculum Development and Examination System" organized by Curriculum Development Cell at J. A. College for Women, Periyakulam on 13th November, 2013.
27. Attended a "Faculty Development Programme" held at Stella Mary's Training Centre, Kanyakumari on 17th to 19th September, 2014.
28. Attended a "Leadership Training Programme for the Faculty Members of J. A. College for Women, Periyakulam" organized by the Centre for Education beyond Curriculum (CEDBEC), Christ University, Bengaluru on 29th and 30th June,2015.
29. Attended a State level Workshop on "Statistical Packages for the Social Sciences (SPSS)" at J. A. College for Women, Periyakulam from 24th to 28th August, 2015.
30. Attended a National seminar on "Ranking the Research Publications: Citation Analysis, Citation Databases and Anti-Plagiarism" at J. A. College for Women, Periyakulam on 27th and 28th January, 2016.
31. Attended a National Conference on "Quality Assurance and Quality Sustenance in Higher Educational Institutions: Challenges and Solutions" at J. A. College for Women, Periyakulam on 29th and 30th September, 2016.
32. Attended a Workshop on "Virtual Dissection Lab in Zoology" at Department of Biotechnology, Mother Teresa Women's University, Kodaikanal on 18th October, 2016.
33. International Workshop on STATISTICS USING EXCEL AND SPSS J.A. College for women, Periyakulam 5th and 6th September2017
34. National Seminar on "Emerging Trends in Life Sciences" at J.A. College for women, Periyakulam on 9th January2018.
35. Workshop on Women in Science and Research J.A. Colllege for women,Periyakulam 19th& 20th February, 2018.
36. Attended the two days national seminar on Emerging trends in Currentenvironmental issues at J.A. Colllege for women, Periyakulam on 11th

and 12th December, 2019.

37. Attended On line quiz on Workplace Safety: Air Contaminants and Dust conducted by Smart Sign, 300 Cadman Plaza West, Suite 1303, Brooklyn, NY 11201 on 11.04.2020.
38. Attended Online quiz on Workplace Safety: First Aid conducted by Smart Sign, 300 Cadman Plaza West, Suite 1303, Brooklyn, NY 11201 on 11.04.2020.
39. Attended On line course on "Basic Principles of Spectroscopy" at Department of Chemistry, AVS College of Arts & Science, Salem from 17.04.2020 to 19.04.2020.
40. Attended On line course on "Household Electrical Devices & Appliances" at Department of Physics, AVS College of Arts & Science, Salem from 20.04.2020 to 21.04.2020.
41. Attended E-Quiz on Research conducted by the Department of Biotechnology & Research, SNMV College of Arts & Science Institute of Management, Coimbatore on 29.04.2020.
42. Attended Online Quiz on COVID-19 conducted by SIPNA College of Engineering & Technology, Amravati on 01.05.2020.
43. Attended COVID-19 General Awareness Quiz conducted by Institution Innovation Council Cell, St. Anne's College of Engineering and Technology, Panruti on 04.05.2020.
44. Attended General Biology Quiz conducted by PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai on 06.05.2020.
45. Attended COVID-19 Awarness Quiz conducted by PG & Research Department of Zoology, The American College, Madurai on 10.05.2020.
46. Attended National Level E-Quiz conducted by National Cadet Corps (Army Wing), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
47. Attended Online course on "Vermiculture and Vermicompost Technology" at Arulmigu Palani Andavar Arts College for Women, Palani in association with Dr.N.NT Research Foundation from 11.05.2020 to 13.05.2020.
48. Attended National Level Online Internship Training Programme on "Holistic Development" at Department of Physical Education, Arulmigu Palani Andavar Arts College for Women, Palani from 12.05.2020 to 16.05.2020.
49. Attended Online Workshop on "Mental Health and Psychosocial Consideration During Lockdown" at St.Mary's College (Autonomous), Thoothukudi in association with Aadhi Foundation on 13.05.2020 & 14.05.2020.
50. Attended Online course on "Apiculture" at Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi from 13.05.2020 to 15.05.2020.
51. AttendedInternational Level Three Days Online Quiz on "Dare to Do" conducted by G.Venkataswamy Naidu College, Kovilpatti from 15.05.2020 to 17.05.2020.
52. Attended Webinar on "Online Teaching of Zoology using Digital Platforms" at Department of Zoology, Stella Maris College (Autonomous), Chennai on 15.05.2020.
53. Attended International Webinar on "Size Does Matter: Genes, Diet & Obesity" at P.G. Department of Biotechnology, SAS SNDP Yogam College, Konni, Kerala in

collaboration with Xcellogen Biotech Pvt Ltd. on18.05.2020.

54. AttendedNational Webinar on "History of Covid 19 Pandemic"at PG & Research Centre of History, JayarajAnnapackiam College for Women (Autonomous), Periyakulam on 22.05.2020.
55. Attended Zoology Quiz – 1conducted by Department of Zoology, Holy Cross College (Autonomous), Nagercoil on 22.05.2020.
56. Attended International Webinar on "Biodiversity"at PG & Research Department of Zoology, The American College, Madurai on 22.05.2020.
57. Attended National Webinar on "Outcome Based Education" conducted by Internal Quality Assurance Cell, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 22.05.2020 to 29.05.2020.
58. Attended International Webinar on "Brief Perspectives of Nanotechnology – Biosynthesis and Bio-application of Nanoparticles" at PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from 27.05.2020 to 29.05.2020.
59. Attended Webinar on "COVID-19 Reportage – Is the social media complementing the mainstream media? Department of Journalism and Mass Communication, Fatima College, Madurai. On 29.05.2020.
60. Attended National Webinar on "Impact of COVID-19 in Service Sector: Strategies to Overcome the Challenges" at PG and Research Centre of Commerce, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in association with Department of Business Administration, Auxilium College (Autonomous), Vellore on 01.06.2020 & 02.06.2020.
61. Participated in the International Webinar on "Modern Enhancement in Life Science" organized by the Department of Zoology, Seethalakshmi Achi College for Women, Pallathur on 03.06.2020 and 04.06.2020.
62. Participated in the National Level Webinar on "Stem cell therapy (Past, Present, Future) organized by the Department of Biochemistry, SLS. MAVMM.AyiraVaisyar College, Madurai on 05.06.2020.
63. Participated in the National Webinar on "Traditional medicine – A boon for healthy living" organized by the Department of Biochemistry, Bharathi Women's College (Autonomous), Chennai on 12.06.2020.
64. Participated in the National Webinar on "Sustainable solid waste management: What you & I can do" organized by the Vasundhara, Shree Damodar College of Commerce & Economics on 13.06.2020.
65. Participated in the National Webinar on "Women in Entrepreneurship" organized by the Entrepreneurship Cell, J. A. College for Women, Periyakulam on 15.06.2020.
66. Participated in the National Webinar on "Promotion of Health through Yoga" organized by Yoga club, Department of Zoology and Research Centre, Aditanar College of Arts and Sciences, Tiruchendur on 21.06.2020.
67. Participated in the National level A one day capacity Enhancement Programme on "Yoga Practices" organized by NCC (Army Wing) of J. A. College for Women, Periyakulamin association with ArulmiguPalaniandavar Arts College for Women Palani on 21.06.2020.

68. Participated in the International Webinar on “Global Pandemic Challenge: Mental health and future Education organized by the Department of Zoology, G.T.N Arts College (Autonomous), Dindigul on 19.06.2020 and 20.06.2020.
69. Participated in the International Webinar on “A path to wellness: Diabetes and Me” organized by the PG and Research Department of Zoology,St. Mary’s College, Thoothukudi on 26.06.2020.
70. Participated in the International Webinar on “Biodiversity and Climate Dynamic Relationship” organized by the PG Research Department of Botany, V.O.Chidambaram College on 24.06.2020.
71. Participated in the awareness programme on “Drug Abuse and Illicit Trafficking” organized by NSS, RRC, Sri Sarada College for Women, Salem on 26.06.2020.
72. Participated in the one day webinar on “Bone health for women” organized by NSS, RRC, Sri Sarada College for Women, Salem on 01.07.2020.
73. Participated in the webinar on “Molecular diagnostics of infectious diseases – An introduction” organized by Michael Job College of Arts and Science for Women, Coimbatore on 03.07.2020.
74. Participated in the National webinar on “ICT Tools for Teaching - Learning” organized by Internal Quality Assurance Cell, St. Xaviers College (Autonomous), Palayamkottai on 24.07.2020.
75. Participated in the 10day National Level online Multy Disciplinary ShortTerm Course on “MOOCs, Creation of E-Content Development and OERs” organized by IQAC, Government First Grade College, Bengaluru from 05.07.2020 to 14.07.2020.
76. Completed the online Quiz in Commemoration of 151st Birth Anniversary of Mahatma Gandhi on 31.10.2020.
77. Participated two days International Webinar on “Recent Trends in Life Sciences” organized by the PG and Research Department of Zoology, JayarajAnnapackiam College for Women, Periyakulam on 05.01.2021 and 06.01.2021.
78. Participated in the webinar on “Creation of Academic Accounts” organized by The Library, JayarajAnnapackiam College for Women, Periyakulam on 18.03.2021.
79. Participated National level Faculty Development Programme on “Quality Enhancement Initiative Through Innovative Practices” organized by Internal Quality Assurance Cell, JayarajAnnapackiam College for Women, Periyakulam on 03.05.2021.
80. Participated National webinar on “Research Report Writing and Publication in Indexed Journals” organized by A.D.M. College for Women (Autonomous), Nagapattinam on 04.05.2021.
81. Participated in the International Webinar on “Role of Nanotechnology in Current Scenario” organised by the SLI International Webcasting Network, Dept. of Botany, Sri Venkateswara University, Tirupati, A.P., India on 27.05.2021 & 28.05.2021.
82. Participated Two Weeks Online Faculty Development Programme on “Pedagagy and Research Methods” organized by AMET, Human Resource Development Centre (HRDC) and Internal Quality Assurance Cell (IQAC) from 24.05.2021 to 06.06.2021.
83. Participated in the One Week Online Faculty Development Programme on “Yoga for well-being during covid period” organized by AMET, Human Resource

Development Centre (HRDC) and Internal Quality Assurance Cell (IQAC) from 11.06.2021 to 17.06.2021.

84. Participated in the International Faculty Development Programme on "Communication Skills: Theory & Practices" organized by Department of Languages, Integral University, Lucknow, India, from 14.06.2021 to 25.06.2021.
85. Participated in One Week Faculty Development Programme on "Life Skills and Wellness during Pandemic" organized by Academy of Maritime Education and Training (AMET), AMET Business School from 05.07.2021 to 11.07.2021.
86. Participated in the Webinar on "Honey Bees: Hope for Life" on account of World Entrepreneur Day organized by PG and Research Centre of Zoology, Start UpProgramme – Apiculture, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 27.08.2021.
87. Participated in 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 01.09.2021.
88. Participated in the UGC sponsored Webinar on "Yoga for Wellness" organized by UGC Human Resource Development Centre, Madurai Kamaraj University, Madurai on 04.09.2021.
89. Participated in the Webinar on "Fit India – 2021" organized by NSS, NCC & Physical Education, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 15.09.2021.
90. Participated in the Workshop on "Honey Bee Rearing" organized by the Department of Entomology, Agriculture College and Research Institute, Tamilnadu Agriculture University, Madurai on 16.09.2021.
91. Participated in the Webinar on "Development of e-Content" organized by UGC Human Resource Development Centre, Madurai Kamaraj University, Madurai on 18.09.2021.
92. Attended an one day Hands – on Training on 'Mushroom Fortified Bakery Products Preparation' organized by PG and Research Centre of Zoology, Start Up Programme – Mushroom Culture and Institutional Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 15th December, 2021.
93. Attended an Awareness Programme entitled "Awareness on Intellectual Property Rights" organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 05th May, 2022.
94. Participated in 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 20th September, 2022.
95. Participated in an 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 in collaboration with St. Joseph's College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala on 19th & 20th September, 2022.

96. Participated in the two days "E-Leader" workshop organized by the Innovation & Entrepreneurship Development Programme (IEDP), Mother Teresa Women's University, Kodaikannal on 17th and 18th October, 2022.
97. Participated in IP Awareness/ Training Program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on 16th December, 2022.
98. Participated in the three day workshop on "Organic Farming and Bio Dynamic Composting" from 19th to 21st December, 2022 organized by PG and Research Centre of Zoology in collaboration with Eco club, Waste water management and Green Campus, Institution Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and Naandhi Foundation, Mahindra Institution, Guindy, Chennai.
99. Participated in the training programme on Bee keeping at Vibis natural honey bee farm, Madurai on 04.02.2023.
100. Participated in "Technology based Women Entrepreneurship Development Programme (WEDP) – Mushroom Cultivation and Value Addition" organized by Tamil Nadu Council for Science and Technology, Chennai and Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from15th to 31st May, 2023.
101. Participated in the National webinar on "Interdisciplinary approaches in Biology" organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 6th December, 2023.
102. Participated in Regional meet on Institutional Innovation Council and Moe's Innovation Cell organized by Francis Xavier Engineering College, Tirunelveli on 24th January, 2024.
103. Participated in 7 Days online faculty development program on "Essential skills for professional development in higher education" organized by Star International Foundation for Research and Education on 01.07.2024 – 07.07.2024.
104. Participated in the International webinar on "Multidisciplinary Approaches in Research for Sustainable Development" organised by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 29.08.2024.
105. attended the National Seminar on "INTERDISCIPLINARY TRENDS IN LIFE SCIENCES" organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 25.09.2024.
106. completed the Seven Days International Online Certificate Course on "CHROMATOGRAPHY – AN OVERVIEW (PHASE -I)" organized by the Department of Microbiology, Sacred Heart College, Tirupattur, India in association with Biotechnology Society of Nepal and Laboratory of Chemical and Biological Analysis, Western Rio Janerio State University, Rio de Janeiro, Brazil from 04.11.2024 to 10.11.2024
107. participated in the One Day National Conference on "Innovative Approaches to Quality Assurance in Higher Education for Sustainable Futures" organised by the IQAC, Jayaraj Annapackiam College for Women, Periyakulam on 09.01.2025.

108. Attended 7 days National Level FDP (Online) on Indian Knowledge System Integration in Curriculam & Research: Prospects and Possibilities" from 24.07.2025 to 31.07.2025, organized by the Research & Development Cell, Arul Anander College (Autonomous), Madurai, Tamil Nadu & A. C. T Academy, Kerala.
109. Attended a workshop on Curriculum analysis in Zoology hosted by Directorate of Collegiate Education, Chennai held at The American College, Madurai on 09.10.2025.
110. Attended a five days National Faculty Development Program (Virtual) on 'A roadmap to ethical governance and excellence in higher education institutions' held from 08.10.2025 to 12.10.2025 organized by PG and Research Department of Mathematics and Department of Computer Applications, Jayaraj Annapackiam college for Women (Autonomous), Periyakulam in collaboration with ACT Academy.
111. Participated in 7 days National Level Short Term Training Programme on "Reimagining Classrooms: Innovative Pedagogies for Engaged and Outcome-Based Learning", held from 05.11.2025 to 12.11.2025 organized by PG Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and with Department of Computer Science, Teresian College, Mysuru.

RESEARCH GUIDANCE:

M. Sc Project:

S.No.	Name of the student	Topic	Year of submission
1	G.Logalakshmi	Effects of mercury on biochemical content of muscle, liver and kidney in freshwater teleost *Labeorohita*.	2006 - 2007
2	N. Pricilla	Effect of liver and earthworm feeds on growth of *Cyprinus carpio* as a function of density.	2007 - 2008
3	J. Christy & R. Lalitha	Effect of 40% formulated protein diet on growth and body composition in *Catlacatla*, *Labeorohita* and *Cirrhinusmrigala*.	2008 - 2009
4	S. Margret & U. Murugeshwari	Biopreservative potential of different Lactobacillus strains against histamine producer isolated from seafoods.	2009 - 2010
5	S. Karthika& A. Selvalakshmi	Toxicity of lead and copper and their effect on biochemical parameters in muscle and gills of freshwater fish *Labeorohita*.	2010 - 2011

6	S. Dharma Jothi	Impact of tannery industrial effluent on the quality of groundwater in Dindigul District.	2011 - 2012
7		Assessment of ground water quality in Periyakulam (T.K,) Theni (Dt),	2012 - 2013
		TamilNadu.	
8	K. Elayavimala	Physico chemical analysis of freshwater at KullurSandhai Dam in Virudhunagar District, TamilNadu.	2013 - 2014
9	R. Niranjana Davi	Physico chemical analysis of ground water at Kottur in Theni District.	2014 - 2015
10	V. Rajeshwari	Physico chemical analysis of Maruthanathi river in Dindigul District.	2014 - 2015
11	B. Vijayabharathi	Antibacterial activity of the extract of traditional medicinal plants.	2015 - 2016
12	V. Vinotha	Biodiversity of insect fauna in cotton (*Gossypium hirsutum*) field at Devadanapatti in Theni District.	2015 - 2016
13	K. Renuga Devi	Antibacterial activity of some medicinal plants against Gram negative bacteria.	2016 - 2017
14	K. Alagumeena	A study of Antibacterial activity of leaves from the selected medicinal plants on chosen microbes.	2016 - 2017
15	S. Arul Sheela	Antibacterial studies on flowers and leaves of *Clitoriaternatea* and *Musa pardisiaca*.	2016 - 2017
16	P. Jayabarathi	Biodiversity of insects associated with bean field (*Lablab purpureus*) at Auntipattyin Theni District.	2017 - 2018
17	L. Athirshtalakshmi& G. Mahalakshmi	Biodiversity of insect fauna infesting Okra (*Abelmoschus esculentus*) vegetable crop at Boothipurum, Theni District.	2018-2019
18	A. Banu & K. Samundeeswari	Biodiversity of insect fauna infesting Lima bean (*Phaseolus lunatus*) crop at Silukkuvarpatti at Dindigul District.	2020 - 2021
19	M. Janani	Biodiversity of insect in cabbage field in Chinnamanur in Theni District.	2021-2022
20	M. Sowbakiavathy	Evaluation of phytochemical and antimicrobial activity of plant extracts *Vitex negundo* and *Calotropis procera*.	2022-2023
21	K. Sakthipriya	Evaluation of phytochemical and antimicrobial activity of *Abutilon indicum* and *Ocimum canum.*	2023-2024
22	A. Blessina Rose	Evaluation of phytochemical and antimicrobial activity of plant extracts of *Achyranthes aspera* and *Euphorbia hirta.*	2024-2025

	M. Sangulakshmi	Evaluation of phytochemical and antimicrobial activity of plant extracts of *Jatropha gossypiifolia* and *Moringa oleifera*.	

SEMINARS / WORKSHOP ORGANIZED

- Organizing Secretary - UGC Sponsored National Seminar on "New Frontiers in Biology" on 18th & 19th December, 2012.
- Organizing Secretary - TNSCST Sponsored National Seminar on "Emerging Trends in Life Sciences" on 9th January, 2018.
- Convener - Webinar on "Honey Bees: Hope for Life" on account of World Entrepreneur Day on 27th August, 2021.
- Organizing Secretary - International Webinar on "Recent Trends in Life Sciences – Phase II "on 1st September, 2021.
- Organized guest lecture on ''Impact and importance of Mushroom cultivation in current scenario'' on 07th September, 2021.
- Organizing Secretary – One Day Hands on Training Programme on "Mushroom Fortified Bakery Products Preparation" on 15th December, 2021.
- Convener - International Conference on "Life Science Research and Intellectual Property Rights" on 19th and 20th September, 2022 through Google Meet in collaboration with IQAC & Department of Zoology, St. Joseph's College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala.
- Convener – Guest lecture on "Zooterms" on 02.02.2023 through Google meet.

REFRESHER COURSES / ORIENTATION COURSES ATTENDED

Refresher/Orientation Course	**University/College**	**Date**
Orientation Programme	Madurai Kamaraj University	16.05.2012 - 12.06.2012
Refresher Course	Madurai Kamaraj University, Madurai.	09.03.2018 – 29.03.2018
Refresher Course	Madurai Kamaraj University, Madurai.	09.12.2020 – 22.12.2020
Refresher Course on "Research Methodology"	Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission. Teachers and Teaching from	20.07.2021 to 03.08.2021.
SWAYAM Online Course on "Applied Entomology"	Consortium for Educational Communication (CEC), New Delhi.	August, 2021

NPTEL-AICTE Faculty Development Programme on "Animal Physiology"	NPTEL-AICTE, Funded by Ministry of HRD, Govt. of India. MOOCs mode.	26th July to 24th October, 2021.
UGC sponsored online Refresher Course in Zoology, Theme: "Recent Developments in Zoological Studies"	Madurai Kamaraj University, Madurai	02nd to 15th November, 2022.

Course Materials Prepared

Year	Title	Beneficiaries
2004-2005	Food and Nutrition	II-year General Elective Students
2008-2009	Food and Nutrition	General Elective Students
2009-2010	Food and Nutrition	General Elective Students
2012-2013	Food and Nutrition	General Elective Students
2024-2025	Book entitled "FUNDAMENTALS OF ZOOLOGY" ISBN: 9789390 188888 published by ESN Publications.	I UG Students
2024-2025	Book entitled "Fermented Fooods and Beverages" ISBN: 978 – 93-48151-40-7 published by RG International Publications.	I UG Students
2024-2025	Nanotechnology in Biotechnology: A Frontier for Innovation and Transformation.	All

PROFESSION RELATED ACTIVITIES

Positions held in the College

Position	Committee	Year
Member	Fine Arts Committee	2002 – 2004
Staff Advisor	Adult Education	2004 – 2006
Staff Advisor	Fine Arts Committee	2006 - 2008
Staff Advisor	NSS	2008 -2009

Programme Officer	NSS	2009 – 2010
Staff Advisor	NCC	2010 - 2011
Programme Officer	NSS	2011 - 2013
Staff Advisor	JAC SAFA and Students service leaque	2013 - 2014
Staff Advisor	JAC SAFA, Students service leaque&Entrepreneurship Cell	2014 - 2017
Staff Advisor	JAC SAFA, Students serviceleaque	2017 - 2018
Staff Advisor	JAC SAFA, Students service leaque,	2018 - 2019
Staff Advisor	Avian club	
Staff Advisor	JAC SAFA, Students service leaque	2019 - 2020
Co-ordinator	Avian club	
Co-ordinator	Start Up ProgrammeApiculture	
Member	IQAC	2020 - 2021
Co-ordinator	Start Up Programme Apiculture	
Member	Consultancy Cell	
Member	IQAC	2021 - 2022
Co-ordinator	Start Up Programme Apiculture	
Member	Entrepreneurship Cell	
Member	Consultancy Cell	
Member	Institution Innovation Council	
Member	IQAC	2022 - 2023
Co-ordinator	Start Up Programme Apiculture	
Member	Entrepreneurship Cell	
Member	Consultancy Cell	
Member	Institution Innovation Council	
Co-ordinator	Placement & Career Guidance Cell	2023 - 2024
Member	Entrepreneurship Cell	
Member	Consultancy Cell	
Member	Institution Innovation Council	
Co-ordinator	Placement & Career Guidance Cell	2024 - 2025
Member	Consultancy Cell	

Department of Advanced Zoology	Head	2025 - 2026
Member	Placement & Career Guidance Cell	

RESOURCE PERSONS

S. NO	Seminar/Refresher Courses/Guest Lecture	Title of Lecture	Place and Date
1	Workshop on Rural women towards Growth	Natural Resources for Income	JayarajAnnapackiam College for Women(Autonomous) Periyakulam, 18thMarch, 2010.
2	NSS Camp	Mushroom culture	Meenachipuram, 15th November, 2010.
3	NSS Camp	Mushroom culture	Challipatti, 16th November, 2010.
4	Mushroom Culture Start Up Training Programme	Mushroom Culture	PG and Research Centre of Zoology, JayarajAnnapackiam College for Women (Autonomous) Periyakulam. 19th January, 2021.
5	Apiculture Start Up Training Programme	Handling bee colonies and extraction of honey	PG and Research Centre of Zoology, JayarajAnnapackiam College for Women (Autonomous) Periyakulam.23rd January, 2021.
4	Skill Enhancement Programme	Honey Preparation	Foundation Course, JayarajAnnapackiam College for Women (Autonomous) Periyakulam. 12th March, 2021.
5	Hands on Training Programme	Mushroom Cultivation	PG and Research Centre of Zoology, JayarajAnnapackiam College for Women (Autonomous), Periyakulamin collaboration with Tamil Nadu State Council for Science and Technology (TNSCST), on 24th August, 2021.
6	Capacity Building, Skill Enhancement Programme organized by Foundation Course	"Honey Preparation"	Jayaraj Annapackiam College forWomen (Autonomous), Periyakulam. 13th April, 2022.

7	NSS Camp, Arockiya Matha Nagar, Endapuli, Periyakulam Taluk	Bee Keeping	Jayaraj Annapackiam College forWomen (Autonomous), Periyakulam. 11th December, 2022.
8	Skill Development Programme on Women Empowerment	"Mushroom Cultivation"	Dattopant Thengadi, National Boardfor Workers Education and Development (Ministry of Labour &Employment, Govt. of India), Regional Directorate, Madurai, and NSS, IIC, Jayaraj Annapackiam College for Women, Autonomous, Periyakulam. 18th January, 2023.
9	JAC FEST – O-BEATS 2022-2023	served as a Jury in the Fireless cooking competition	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.11th and 12th January,2023
10	"Inservice training to science teachers" supported by Tamil Nadu State Council for Science and Technology" Chennai.	Hands on Training on Applied Science	PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam. 04.01.2024 to 09.01.2024
11	Mushroom Culture	Training Programme	Entrepreneur Club 13.08.2024

EXAMINERS:

Acted as external examiner for M. Sc. Zoology practical examinations of Department of Zoology, Hajee Karutha Rowther Howdia College,Uthamapalayam on 27th May, 2022.

AWARDS RECEIVED:

"Golden Star Award" received on 18th July, 2021, Organized by Women's Consumer Protection Association, Madurai.

MINOR PROJECT

1.	Immunotoxic effects of effluent from electroplating industry on the common carp, *Cyprinus carpio*. No: F. MRP-4198/12 (MRP/UGC-SERO)	UGC XI PLAN	Year 2013-2015	1, 75,000	Completed
2.	Rural-Urban connectivity centres for technology dissemination, Research and livelihood sustainability: Mushroom cultivation and training. Ref. No: TNSCST/TDC/MOU/Grant/2019	TNSCST	16.9.2019	4,00,000	Completed