

PROFILE



Name: V. JEMIMA FLORENCE BORGIA

Designation: Assistant Professor

Department: P. G. Department 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	Manonmanium Sundaranar University	1992
B.Ed	Annamalai University	1993
M.Phil	Bharadhidasan University	2006
CYP/ HRD Diploma in Youth in Development Work	Annamalai University	2007
Ph.D	Manonmanium Sundaranar University	2018

8. Year of Experience : 19 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 *Labeo rohita* and *Catla catla*. *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 *Catla catla* and *Cirrhinus mrigala*. *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 *Dodonaea viscosa* and *Adhatoda vasica* *Asian Journal of Biochemical and Pharmaceutical Research* (24) 289-298; 2231-2560 2.56.

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. Thateyus, 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 Thateyus 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.
14. **V. J. Florence Borgia**, A. Joseph Thateyus, 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.
15. **V. J. Florence Borgia**, A. J. Thateyus and A. G. Murugesan, 2019. Impact of electroplating industry effluent on the electrophoretic protein pattern of serum in the freshwater fish *cyprinus carpio*. Indian Journal of Biochemistry & Biophysics Vol. 56, pp. 460-465.

PAPERS PRESENTED

1. Presented a paper on “Effect of size, density and temperature on ammonia excretion in *Macropodus cupanus*” 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 *Catla catla*” 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 December 2010.
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 August 2011.
6. 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 & 19th 2012.
7. 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 & 19th 2012.
8. Presented a paper on “Toxicity of lead and copper and their effect on biochemical parameters in muscle and gills of freshwater fish *Labeo rohita*” in a National Seminar on Bio-Knowledge for better Environment at Syed Hameedha Arts and Science College, Kilakarai on 28th & 29th February 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 September 2015.

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

college and Research Extension centre, Periyakulam on 9th March, 2005.

3. Attended a Workshop on “Office Automation” at J.A College, Periyakulam on 24th and 25th November, 2006.
4. Attended National Seminar on “Environmental Biotechnology for Human Welfare” at J.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 in Biology” 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), Periyakulam on 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 9th May, 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 12th and 13th October, 2011.
22. Attended a National seminar on “New Frontiers in Biology” at J. A. College for Women (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 September 2017
34. National Seminar on “Emerging Trends in Life Sciences” at J.A. College for women, Periyakulam on 9th January 2018.
35. Workshop on Women in Science and Research J.A. College for women, Periyakulam 19th & 20th February, 2018.
36. Attended the two days national seminar on Emerging trends in Current environmental issues at J.A. College for women, Periyakulam on 11th and 12th December 2019.
37. Attended Online quiz on Workplace Safety: Air Contaminants and Dust conducted by SmartSign, 300 Cadman Plaza West, Suite 1303, Brooklyn, NY 11201 on 11.04.2020.
38. Attended Online quiz on Workplace Safety: First Aid conducted by SmartSign, 300 Cadman Plaza West, Suite 1303, Brooklyn, NY 11201 on 11.04.2020.

39. Attended Online 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 Online 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 Awareness 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. Attended International 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. on 18.05.2020.
54. Attended National Webinar on “History of Covid 19 Pandemic” at PG & Research Centre of History, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 22.05.2020.
55. Attended Zoology Quiz – 1 conducted 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 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. Ayira Vaisyar 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, Periyakulam in association with Arulmigu Palaniandavar Aets 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 on 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, Jayaraj Annapackiam College for Women, Periyakulam on 05.01.2021 and 06.01.2021.

SEMINARS / WORKSHOP ORGANIZED

- **UGC Sponsored National Seminar on New Frontiers in Biology**” on 18th & 19th December, 2012.

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	09.12.2020 – 22.12.2020

	University, Madurai.	
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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

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 SAPHA and Students service leaque	2013 - 2014
Staff Advisor	JAC SAPHA, Students service leaque &Entrepreneurship Cell	2014 - 2017
Staff Advisor	JAC SAPHA, Students service leaque	2017 - 2018

Staff Advisor	JAC SAPHA, Students service leaque, Avian club	2018 - 2019
Staff Advisor	JAC SAPHA, Students service leaque	2019 - 2020
Co-ordinator	Avian club	
Member	IQAC	2020 - 2021

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	J. A College for Women (A) Periyakulam, 18 th March, 2010.
2	NSS Camp	Mushroom culture	Meenachipuram, 15 th November, 2010.
3	NSS Camp	Mushroom culture	Challipatti, 16 th November, 2010.

MINOR PROJECT

1.	Immunotoxic effects of effluent from electroplating industry on the common carp, <i>Cyprinus carpio</i> .	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	TNSCST	16.9.2019	400000	On-going