

Name : Dr.V.KAVITHA

Qualification : M.Sc., M.Phil., Ph.D.,

Designation : Assistant Professor

Name of the Department : Zoology

Date of Birth : 04.05.1981

Date of Appointment : 02.01.2009

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Specialization : Vermicomposting

Experience (UG/PG) : 15 years

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I. Academic Qualification

Degree	Major / Specialization	Institute / University	Year of Passing	Class/ Grade	University Ranks if any
UG	Zoology	Bharathidasan University	2001	I	-
PG	Zoology	Annamalai University	2003	I	-
M.Phil	Vermicomposting	Annamalai University	2005	I Distinction	I Gold Medal
Ph.D	Vermicomposting	Annamalai University	2008	Highly commanded	-

II. Academic Distinctions, Prizes, Medals, Awards and other Honours received:

Gold Medal in M.Phil Degree during the year 2003-2005.

III. Title of the Research

S. No.	Research Work at	Title of Thesis
1.	Ph.D.	Copmparative toxicity of selected pesticides on the biological, biochemical, microbiological, histopathological and vermicomposting ability of <i>Lampito mauritii</i> (Kinberg) (Allelida:Oligochaeta)
2.	M.Phil.	Toxicity and sublethal effect of neem products on the growth and reproduction of an Indian earthworm, <i>Lampito mauritii</i> (Kinberg) (Allelida:Oligochaeta)

IV. Research Publications required details:

National Publications

1. Ramalingam, R., and **Kavitha, V. (2006).** Toxicity and sublethal effect of nimbecidine (need pesticide) on the growth and reproduction of an Indian earthworm *L.mauritii* (Kinberg), AU, Science Journal, Vol.43, Pp.99 – 106.
2. **Kavitha, V.** and Ramalingam, R. (2008). Comparative toxicity of four insecticides to the Indian earthworm, *Lampito mauritii* (Kinberg), J. Exp. Zool. India Vol. 11, No.2, Pp. 283-286.
3. Anandhan, R., **Kavitha, V. and** Balasubramanian, R. (2017). Effect of lead nitrate on histopathological changes in tissues of fresh water fish *Labeo rohita* (Ham.). Indian Journal of Education and information management. Vol.6(2). ISSN: 2277-5374.
4. Anandhan, R., **Kavitha, V. and** Balasubramanian, R. (2017). Determination of OC, N, P, K with effect endosulfan in vermicompost. Indian Journal of Education and Information Management.Vol.6 (3). ISSN:2277-5366.
5. Balasubramanian, R., Jayakumar, S., Ravi, V., **Kavitha, V.** and R. Anandhan (2017). Culture practices of *Litopenaeus vannamei* in fresh water grow-out ponds. Indian Journal of Education and Information Management.Vol.6 (3). ISSN:2277-5366.
6. Balasubramanian, R., Babu, R., Ravi, V., **Kavitha, V.** and R. Anandhan (2017).Influences of seasonal changes on physic chemical characteristics of Uppanar Estuary, Southeast Coast of India. Indian Journal of Education and information management.Vol.6 (3). ISSN:2277-5374.
7. Balasubramanian, R., Babu, R., Ravi, V., **Kavitha, V.** and R. Anandhan (2017). Distribution of polychaete species in Uppanar estuary, southeast coast of India. Indian Journal of Innovation and Development.Vol.6 (3). ISSN:2277-5390.

International Publications

1. **Kavitha, V.**, Manimegala, G. and Ramalingam, R. (2008). Growth and reproduction of the earthworm *Lampito mauritii* (Kinberg), after exposure to sublethal concentrations of an organophosphate pesticide, monocrotophos. *The Ecoscan*, 2(1): Pp.47-50.
2. **Kavitha, V.**, Ramalingam, R. and Anandi, V. (2008). Effect of endosulfan on the bacterial and fungal populations in the gut of the Indian earthworm *Lampito mauritii* (Kinberg), *J. Sci. Trans. Environ. Technov.* 2(2): Pp. 78-81.
3. Manimegala G., **V. Kavitha**, S.Sarojini , G. Gunasekaran and R. Ravichandran, (2009). Toxic effect of lignite flyash during vermicomposting on the growth and reproduction of earthworm *Lampito mauritii*, *The Internet journal of Toxicology*, Vol.7, No.1.
4. **KAVITHA, V.** Shoba, V and Ramalingam, R, (2011). Histopathological changes in the intestine of the earthworm *Lampito mauritii* (Kinberg), exposed to sublethal concentration of monochrotophos, *Intern. Journ. of Recent Sci. Research*, Vol.2, 12, Pp. 302-305.
5. **Kavitha.V** and Anandhan. R (2012). Assessment of recovery of biomass and reproduction of the earthworm *Lampito mauritii* exposed to endosulfan. *J.Sci.Trans.Enviro. Techno.* 6(1):10-14. ISSN 0973-9157.
6. Selvam, A, Anandhan, R. and **Kavitha, V.** (2014). Acute toxicity of aluminium chloride to freshwater fish *Labeo rohita* (Ham) *International Journal of fisheries and aquaculture* 4(2): 104-107.
7. Selvam, A, Anandhan, R..and **Kavitha, V.** (2014) Effect of Aluminium Chloride on the Biological Changes in Different Tissues of the Freshwater Fish, *Labeo rohita* (Ham) *International Journal of Pharmaceutical and Biological Archives*. 5(1):1231-1235 (I.F- 1.5)
8. Anandhan, R., Bhuyan, G., **Kavitha, V.**, Selvam, A. (2012). Studies on the Acetylcholine Esterase (AChE) activity of two freshwater teleost *Channa striatus* and *Oreochromis mossambicus* in reference to Kedilam River, Cuddalore District, Tamilnadu. *International Journal of Toxicology and Applied Pharmacology*, 2: 52-56. ISSN: 2249-9709.
9. Bhuyan, G., Anandhan, R. and **Kavitha, V.** (2013). Seasonal Variation of Physico-Chemical Parameters in Kedilam River, Tamil Nadu, India. *International Journal of Scientific Research*, 2:1-3. ISSN: 2277-8179. (I.F- 0.33)

10. Anandhan, R., Hemalatha, S., **Kavitha, V.**, Bhuyan, G. (2013). Effect of aluminium on development of Zebrafish, *Brachydaniorerio* (Ham.). *International Journal of Pharmacy & Life Sciences*, 4: 2541-2547. ISSN: 0976-7126.
11. Bhuyan, G., Anandhan, R. and **Kavitha, V.** (2014). Qualitative and Quantitative analysis of fish tissue of *Oreochromis mossambicus* collected from Kedilam River, Cuddalore, Tamilnadu, India. *Int J Appl Sci Biotechnol*, 2(2): 135-141. ISSN: 2091-2609. DOI: 10.3126/ijasbt.v2i2.10141 (IC value: 4.37).
12. Bhuyan, G., Anandhan, R. and **Kavitha, V.** (2014). Measurement and Statistical Analysis of Ambient Air Quality Status in Cuddalore Region, Tamilnadu, India. *Journal of Biological & Scientific Opinion*, 2(2): 177-180. ISSN: 2321-6328. DOI: 10.7897/2321-6328.02240.
13. Balasubramanian, K., Jaganathan, V., **Kavitha, V.** and R. Anandhan (2017). Isolation of Heavy metal resistant bacteria from Estuarine Environs in Southeast Coast of India. *Eurasian Journal of Analytical Chemistry*. Vol.12 (8). ISSN: 1306-3057.
14. **Kavitha, V.** and Anandhan, R. (2018). Sublethal effect of Atrazine on the intestine of an Indian earthworm *Lampito mauritii* (Kinberg) (Annelida: Oligochaeta). *International Journal of Zoology and Applied Biosciences*, 3(4): 322-326. ISSN: 2455-9571. [Doi.org/10.5281/zenodo.1339400](https://doi.org/10.5281/zenodo.1339400).
15. Anandhan, R., Selvam, P. and **Kavitha, V.** (2018). Effect of Aluminium Chloride on the total free amino acids content in different tissues of fresh water fish *Labeo Rohita*. *International Journal of Emerging Technologies and Innovative Research*, Vol.5, issue 11. ISSN: 2349-5162. (Impact Factor-5.87).
16. **Kavitha, V.** and Anandhan, R., Sumathi, R., Balasubramanian, R. and S. Baskarasanjeevi (2018). Analyse of selected heavy metal contamination in the Mudikondan river Nannilam Thiruvavur District Tamilnadu India. *World Journal of Pharmaceutical Research*. Vol. 8 (8), pp. 1147-1157. ISSN: 2277-7105. SJIF Impact Factor- 8.074.
17. **Kavitha, V.**, Anandhan, R., Alharbi, Naiyf S., Kadaikunnan, S., Khaled, Jamal M., Almana, Taghreed N. and M. Govindarajan (2020). Impact of pesticide monocrotophos on microbial populations and histology of intestine in the Indian earthworm *Lampito mauritii* (Kinberg). *Microbial pathogenesis*, Vol.139, <https://doi.org/10.1016/j.micpath.2019.103893>. Impact factor: 2.581.
18. **Kavitha, V.**, Anandhan, R. and Balasubramanian, R. (2021). Acute toxicity and sublethal effect of carbaryl on biochemical responses of indian earthworm *Lampito mauritii* (KINBERG). *Journal of Global Ecology and Environment*. 13(4).

19. Anandhan, R., **Kavitha.V.** Indhumathi.G and Jayasundar.D. (2021). Determination of Heavy Metals in Water, Sediment and Fish Tissues from the Cauvery River Kumbakonam Thanjavur District Tamilnadu India. Science, Technology and Development. X (X),118.
20. Vinothini, M., **Kavitha, V.**, Monisha, J., Ramya, R.R., Anandhan, R. (2022). Toxicity of thiacloprid (Insecticide) on biomass, gut microbial population and digestive enzymes activity of an Indian Earthworm, *Lampito mauritii* (Kinberg) (Annelida: Oligocheta). International Journal of Entomology Research. 7(6), 54-62.
21. Indhumathi, G., **Kavitha, V.** and Anandhan, R. (2022). Acute Toxicity and Histopathological Effect of Lambda Cyhalothrin and Pretilachlor on Intestine of Indian Earthworm *Lampito mauritii* (Kinberg). Indian Journal of Natural Sciences, 13(71), 39727-39736.
22. Indhumathi, G., **Kavitha, V.** and Anandhan, R. (2022). Toxic effect of lambda cyhalothrin and pretilachlor on biomass and histology of testis of *Lampito mauritii* (Kinberg). Uttar Pradesh Journal of Zoology. 43(17), 73-82.

V. Chapter Published in Book

“Pesticides and earthworms” Chapter Published in Contemporary Issues in Aquatic Biology, Aug. 2022.

VI. National / International Conferences/Seminars/Workshops/Symposia/Faculty development programmes/Training programmes

National

1. National seminar on BIOVISION, Department of Zoology, Annamalai University, 21 and 22 January, 2005.
2. UGC National Seminar on the present scenario in plant science research, February, 19 and 20, 2005.
3. National seminar on Current Trends in Environment and Biosafety (SCEB), 8th and 9th March, 2008.
4. National conference on “Recent Trends in Bioscience – 21st Millennium” on 6th and 7th of March 2009 organized by Department of Zoology, Annamalai University.
5. Participated in the National Symposium on Biocoumpting – 2009 at Zoology Wing, Annamalai University, Annamalainagar from 23rd & 24th of February-2009.

6. Workshop on Design and Analysis of experiments held on 9th October-2009 at Centre of Advanced study in Marine Biology, Annamalai University, Parangipettai.
7. National Seminar on Advances in Biological Sciences, ABS – 2010, Department of Zoology, Annamalai University, Annamalainagar, 22nd and 23rd January, 2010.
8. Presented a paper on National Seminar on Vermitchnology, use of biofertilizers and solid waste recycling for sustainable rurual development during 23-24th March 2010 at Department of Zoology, Gandhigram Deemed University, Gandhigram.
9. National conference on Aggrandize of Life Science (ALISCI), Department of Zoology, Annamalai University on 29th and 30th March, 2010.
10. Participated in the National Workshop on Biomedical Waste Management conducted by Zoology Wing – DDE, Annamalai University during 26th and 27th June 2010.
11. Presented a paper on Environmental Awareness and Research for Sustainable Development during 20th& 21st August 2010 at Zoology Wing – DDE, Annamalai University.
12. National Workshop on Marine Corrosion and surface engineering conducted by CAS Marine Biology, Port Novo during 24th to 26th November 2011.
13. National workshop on Toxicological Techniques- 2011 (TOXITEC-2011) Department of Zoology, Annamalai University, Annamalainagar, 19-20 March, 2011.
14. National Seminar on Recent Advances in Life Sciences RAIL - 2011, Department of Zoology, H.H. Rajah's College, Pudukkottai on 28th and 29th December, 2011.
15. National conference on Molecular and Cellular Mechanisms of Diseases: Intervention with natural products. Department of Biochemistry and Biotechnology, Annamalainagar, on April 7th and 8th, 2012.
16. National Seminar on Environmental Diseases. Department of Zoology K.K.T.M.Govt.College, Pullut on 26 Feb, 2013.
17. National conference on Environmental issues & Challenges- VISION 2020 (EnVISION 2020) Department of Zoology, Annamalai University, Annamalainagar, 27th and 28th September, 2013.

18. Participated in the national conference on “ Innovations in Environmental Research and Education” held on 20th and 21st of March, 2015 in the Department of Zoology, Annamalai university.
19. Participated in the national conference on “Advances in Toxicology and Serinanotechnology” held on 23rd and 24th of July, 2015 in the Department of Zoology, Annamalai university.,
20. State level workshop on “MICROTECHNIQUES”, Department of Zoology, Government College for Women (A), Kumbakonam – 612 001, Tamilnadu.9 and 10, March, 2017.
21. National Workshop on Recent Trends in Bio-Virtual Labs, Department of Zoology, Government College for Women (A), Kumbakonam – 612 001, Tamilnadu, 24th, January, 2018.
22. National Workshop on Computational Biology and its application, Department of Zoology, Government College for Women(A), Kumbakonam – 612 001, Tamilnadu, 8th and 9th February, 2018.
23. Participated and chaired a session in the National conference on Indian Fisheries: Prospects and Challenges (NCIFPC-2018), Department of Zoology, Government College for Women(A), Kumbakonam – 612 001, Tamilnadu. 15th and 16th February, 2018.
24. Hands on Training to Create Awareness about Applied Zoology for Self Employment, PG and Research Department of Zoology, Government Arts College, Kumbakonam – 612 001, Tamilnadu,11-13th October, 2018.
25. National Conference on Recent Trends in Microbial Impact on Environment (RTMIE-2019), PG & Research Department of Zoology, Government Arts College For Men, Krishnagiri, Tamilnadu, 9.01.2019.
26. Participated in National Conference on Eco-Waste management (NCEM-2019, PG Department of Zoology, Government Arts College, Melur, Tamilnadu, 25.01.2019.
27. National Workshop on Preparation of Student Research Proposal for State and Central Government Funding Agencies, The Science Club, Government College for Women (A), Kumbakonam- 612 001, 16.08.2019.
28. Presented a paper in National Awareness Conference on Values of Biodiversity and its Conservation, PG & Research Department of Zoology, Dr.Ambedkar Government Arts College (A), Vyasarpadi, Chennai – 39, 7-8.03.2019.

29. Participated in National Workshop on “Microtechniques “,PG & Research Department of Zoology, Government Arts College (A), Kumbakonam – 612 001, Tamilnadu, 10th and 11th March, 2020.
30. Participated in National Workshop on “Storage Insect Pests and Their Management “,PG & Research Department of Zoology, Government Arts College (A), Kumbakonam – 612 001, Tamilnadu, 16th and 17th March, 2020.
31. Presented a paper in National Seminar on “Marine Resources Including Mangroves – A Promising Future”. Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Parangipettai, Annamalai University, Tamilnadu, India, 21-24.03.2019 .
32. Participated in Faculty Development Programme on” Prospects of Outcome based Curriculum”, Government College for Women (A), Kumbakonam, 31.07.2019.
33. Participated in National Seminar on Fisheries Management. Department of Zoology, Government College for Women (A), Kumbakonam, 25&26.08.2019.
34. Participated in National Workshop on “Microtechniques “,PG & Research Department of Zoology, Government Arts College (A), Kumbakonam – 612 001, Tamilnadu, 10th and 11th March, 2020.
35. Participated in National Workshop on “Storage Insect Pests and Their Management “,PG & Research Department of Zoology, Government Arts College (A), Kumbakonam – 612 001, Tamilnadu, 16th and 17th March, 2020.
36. Participated in National Workshop on “Snakes, Snake Bites and Treatment” held on PG & Research Department of Zoology, Government Arts College (A), Kumbakonam – 612 002, Tamilnadu, 17th and 18th November, 2021.
37. Hands on Training programme on Bioinformatics tools for Protein Analysis, Department of Zoology, Government College for Women (A), Kumbakonam, 28.11.2022.
38. Hands on Training programme on “Bee Keeping”, Department of Zoology, Government College for Women (A), Kumbakonam, 27.03.2023.
39. Participated in Faculty Development Programme on ”Research Motivation”, organized by Internal Quality Assurance Cell, Government College for Women (A), Kumbakonam, 31.07.2019.

International

1. 94th Indian Science Congress, Annamalai University, Annamalainagar, January 3-7, 2007.
2. International conference on Bioinformatics and Systems Biology, Department of Zoology (DDE), Annamalai University – 2010, Feb. 19 to 21.
3. Participated the 2nd International Conference on Bioinformatics and Systems Biology from 16th to 17th February, 2011 at Zoology Wing, Annamalai University.
4. Participated the 3rd International Conference on Bioinformatics and Systems Biology from 16th to 18th February, 2012 at Zoology Wing, Annamalai University.
5. Participated in International Conference on Science and Technology for Clean and Green Environment(STCGE-2012) 27th and 28th of July at Zoology Wing, Annamalai University.
6. Participated in the “World Conference on Infectious Diseases (WCID)” at Chennai Trade Convention Centre held on 18-22 December 2013, Organized by Jayaa Charitable Trust, Tamil Nadu.
7. Participated and presented a paper in the International Conference on “Herbal Medicine and Neuroendocrinology”, Organized by the Department of Zoology, Annamalai University, Annamalainagar on 13th October-2014.
8. Participated in international Lecture Workshop on Advances in Industrial Microbiology (IWAIM – 2019), PG and Research Department of Microbiology, Idhaya College for Women, Kumbakonam on 24.01.2019.
9. Presented a paper in International Conference on “Recent Innovations in Biosustainability and Environmental Research – 2019”(RIBER-2019), Department of Zoology, Annamalai University, Annamalainagar, Tamilnadu on 20th to 22nd of February, 2019.
10. Presented a paper in International conference on Cancer Inferno and Its Prevention Strategies (ICCIPS-2019), organized by PG Department of Biochemistry, Periyar EVR College (A), Bharathidasan University, Tiruchirappalli - 620023, Tamilnadu, India, 22nd February, 2019.
11. Presented a paper in International Conference on Current Immunological Tools for Biodiversity and Status of Environment Health, Centre of Advanced Study in

Marine Biology, Faculty of Marine Sciences, Parangipettai, Annamalai University, Tamilnadu, India, 21-23.08.2019 .

12. Participated and presented a paper in the 2nd International Conference on Advances in Medical Science and Molecular Biology (AMSMB – ‘20’), Idhaya College for Women, Kumbakonam on 27.01.2020.
13. International conference on challenges to environment and health, PG & Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli -620 020, 30th January, 2020.
14. International conference on “Frontiers in Environmental Health and Mitigation” organized by Department of Zoology, Government Arts College, Ariyalur - 621 713, Tamilnadu, 27th & 28th of February, 2020.
15. International conference on “Eco-Technological Approaches for Sustainable Environment” organized by Department of Zoology, Government Arts College for Women, Salem – 636 008, Tamilnadu, 6th March, 2020.
16. International conference on “Environmental Degradation” organized by PG and Research Department of Zoology, Government Arts College (A), Kumbakonam – 612 001, Tamilnadu, 24th and 25th March, 2023.
17. One day International seminar on “Palliative Care – The Need and Scenario” organized by Department of Zoology, Government College for Women (A), Kumbakonam In collaboration with Trivandrum Institute of Palliative science, and Annai Adhuragam Hospice, Thimakudi on 14.08.2023.

VII. Details of In-Service, Orientation and Refresher course completed (year-wise)

Year	Name of the Teacher	Title of the programme (In-Service, Orientation and Refresher course completed)	Name of the Institute organized
15.04.2009 to 12.05.2009	Dr.V.KAVITHA	75 th orientation course	UGC – Academic staff college, Bharathiar University, Coimbatore.
21.07.09 to 03.08.2009.	Dr.V.KAVITHA	In-service training programme	Annamalai University, Annamalainagar.
21.05.2014 to 10.06.2014	Dr.V.KAVITHA	Refresher Course in Ecology and Environmental Sciences	UGC Academic Staff College Pondicherry University, Puducherry

16.11.2018 to 06.12.2018	Dr.V.KAVITHA	Refresher course in Life Sciences & Biotechnology (IDC)	UGC-Human resource development centre, Madurai Kamaraj University, Madurai – 625 021, Tamilnadu.
29.01.2020 to 04.02.2020	Dr.V.KAVITHA	Short term course in Research Methodology	UGC-Human resource development centre, Bharathidasan University, Tiruchirappalli – 620 023, Tamilnadu.
15.12.2021 to 29.12.2021	Dr.V.KAVITHA	Refresher Course in Zoology	Teaching Learning Centre, Ramanujan College, University of Delhi
06-05-2022	Dr.V.KAVITHA	In-Service Teacher Training Programme	Tamilnadu State Council for Higher Education, Chennai.

VIII. Research Guidance:

S. No.	Programme	No. of students	
		Completed	Ongoing
1	M.Sc.	13	2
2	M.Phil.	-	-
3	Ph.D.	1	-