

Dr. K. Krishnapriya

Assistant Professor
PG and Research Department of Zoology
V.O. Chidambaram College
Tuticorin 628 008, Tamil Nadu



E-mail: krish.toxicol12@gmail.com

Mobile: +91-8248450370, 9524332211

Communication Address:

3/106, Anjeneyar kovil street,
Karavalli Madhapur (post),
Sulur (Taluk),
Coimbatore 641 668.

Permanent Address

W/O G.Dinesh,
7, Nethaji Street,
Kollapalayam,
Erode-638002

Current Area of Research:

Toxicology, Nanotoxicology, Aquaculture and Fisheries, Environmental Impact
Assessment

Scopus Id:	5719596 6149	Researcher Id:	AAD- 5559-2020	Google Scholar Id:	Ob23E1Q AAAAJ	Vidwan Id:	135974
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EDUCATIONAL QUALIFICATION

S.No	Degree	Specialization	School / College	Board / University	Year of Passing	Class	Percentage
1	Ph.D.,	Zoology (Toxicology)	School of Life Sciences	Bharathiar University	2018	Highly recommended	
2	M.Sc	Animal Science	School of Life Sciences	Bharathiar University	2012	I D	77%
3	B.Sc	Advanced Zoology and Biotechnology	P.S.G.R Krishnammal College for Women	Bharathiar University	2010	I D	83%
4	XII	Maths, Biology	A.R.C Matric Hr. Sec. School	Matric	2007	I	80%
5	X	---	A.R.C Matric Hr. Sec. School	Matric	2005	I	89%

PROFESSIONAL EXPERIENCE

Worked as an **Assistant Professor** in the Department of Zoology, PSGR Krishnammal College for Women, Coimbatore from 19 June, 2019 to 28. December, 2022.

Working as an **Assistant Professor** in the PG and Research Department of Zoology, V. O. Chidambaram College, Thoothukudi from 29 December, 2022 to till date.

RESEARCH EXPERIENCE

- Worked as **SRF** for **1 year** (2017-2018) and **JRF** for **2 years** (2015- 2017) in UGC-MRP Research project entitled “**Toxicity Assessment of Engineered Nanoparticles to Freshwater Fish: A Comparison of Nanometals versus Metal Ions Using Certain Biomarkers as Endpoints**” at Bharathiar University, Coimbatore.
- Worked as a Research Scholar in the field of **Nano-Toxicology and Aquatic Toxicology** for **6 years** (2012-2018).

Ph.D DISSERTATION TITLE

The Potential Toxicity of Copper Sulphate and Copper Nanoparticles in *Labeo rohita*: A Comparative Study (2018).

OTHER CERTIFICATES COURSES

- NPTEL certificate course in **Metals in Biology**.
- Add on **Diploma in Sericulture**.
- Certificate course in **Vermiculture and Mushroom culture**.
- **Diploma in Digital Pre Press**.

CITATION

Total Number of Citations: 106 (as on 12.07.2022); h-index – 3; i10-index – 3

PUBLICATIONS

1. **Krishnapriya, K., Ramesh, M., 2018.** Comparative risk assessment of copper nanoparticle with its bulk counterpart in an Indian major carp *Labeo rohita*. **Chapter 7 In: Environmental Toxicity of Nanomaterials**, CRC Press, Taylor & Francis Group, Boca Raton, 159-178. <https://www.taylorfrancis.com/books/e/9781351252966/chapters/10.1201/9781351252966-7>
2. **Krishnapriya, K., Shobana, G., Narmadha, S., Ramesh, M., Maruthappan, V., 2017.** Sublethal concentration of bisphenol A induces hematological and biochemical

responses in an Indian major carp *Labeo rohita*. **Ecohydrology & Hydrobiology**, 17, 4, 2017, 306-313. <https://doi.org/10.1016/j.ecohyd.2017.06.003> (Impact Factor: 1.877).

3. **Krishnapriya, K.**, Ramesh, M., 2017. Copper and copper nanoparticles induced hematological changes in a freshwater fish *Labeo rohita* – A comparative study: Copper and copper nanoparticle toxicity to fish. **Chapter 15 In: Applying Nanotechnology for Environmental Sustainability** Sung Hee Joo, University of Miami, USA. DOI: 10.4018/978-1-5225-0585-3.ch015
4. **Krishnapriya, K.**, Ramesh, M., 2016. Comparative toxicity of copper (II) oxide nanoparticles with its bulk counterpart in an Indian major carp *Labeo rohita*. **Cleanup India 2016, International Conference on Contaminated Site Remediation: Proceedings**, India, 503-504. ISBN: 9-78819096646-7
5. **KrishnaPriya K.**, Ramesh M., Saravanan M., Ponpandian N., 2015. Ecological risk assessment of silicon dioxide nanoparticles in a fresh-water fish *Labeo rohita*: Hematology, ionoregulation and gill Na⁺/K⁺ATPase activity. **Ecotoxicology and Environmental Safety**, 120, 295 – 302. .DOI: [10.1016/j.ecoenv.2015.05.032](https://doi.org/10.1016/j.ecoenv.2015.05.032) (Impact Factor: 4.872).
6. Suvetha L., Saravanan M., Hur J H., Ramesh M., **Krishnapriya K.**, 2015. Acute and sublethal intoxication of deltamethrin in an Indian major carp, *Labeo rohita*: Hormonal and enzymological responses. **The Journal of Basic & Applied Zoology**, 72, 58 –65. <https://doi.org/10.1016/j.jobaz.2015.04.005>

Academic contributions

1. Handled Multidisciplinary Elective paper **Environmentology** to MBA students (2021-22)
2. Bioconversion of fish waste to Liquid Bio Fertilizer funded by UBA – Unnat Bharat Abhiyan, Government of India - Rs. 1,00,000. (2019-2020).
3. ICT Enabled Teaching and Learning in Biology funded by the National Council for Science and Technology Communication (NCSTC) – RS. 4,00,000. (2020-2021)

Supervisor/Guideship for Under Graduate and Post Graduate students

1. Total Number of Under Graduate students guided: 14
2. Total Number of Post Graduate students guided: 9

Community Services Organized:

1. Organized an Awareness programme on Bone Density at Vellaiannaipatti village, Coimbatore on 08.02.2020. More than 60 people had participated and were benefitted.

PAPERS AND POSTER PRESENTED

S. No	Title	Seminar/ Conference/ Symposium	Organizer
1	Toxic effects of waterborne perfluorooctanoic acid exposure on hematological parameters in a freshwater fish <i>Labeo rohita</i>	International Conference on Recent Progresses in Biological Sciences (Best Poster Presentation)	Department of Biotechnology, New Delhi & the Management, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi.
2.	Comparative toxicity of copper (II) oxide nanoparticles with its bulk counterpart in an Indian major carp <i>Labeo rohita</i> .	Cleanup India 2016, International Conference on Contaminated Site Remediation (Best Poster Presentation)	Tamil Nadu Agricultural University, in association with CRC CARE, Australia.
3.	HBCD (1, 2, 5, 6, 9, 10-hexabromocyclododecane) induced toxicity on antioxidant responses in <i>Labeo rohita</i>	International Conference on Aquatic Sciences, Biodiversity Conservation and Management Strategies	Annamalai University, Annamalai nagar- 608 002.
4.	Copper nanoparticle and copper induced hematological and biochemical changes in a fresh water fish <i>Labeo rohita</i> : A comparative study.	Recent Trends and Future Advances in Life Sciences	Department of Life Sciences, Central University of Tamil Nadu, Thiruvavur - 610101.
5.	Ecological risk assessment of waterborne nickel on hematological and biochemical parameters of a fresh water fish <i>Labeo rohita</i> .	National Seminar on Biodiversity and Conservation	Department of Environmental Science, Bharathiar University, Coimbatore – 46.
6.	Toxicity of dibutyl phthalate an endocrine disruptor on enzymatic and hormonal changes in an African cat fish <i>Clarias gariepinus</i>	International Symposium on Comparative Endocrinology and Integrative Physiology	Centre For Evolutionary and Integrative Biology, University of Kerala, Thiruvananthapuram - 695 581.

WORKSHOPS / TRAINING PROGRAMME ATTENDED

S.No	Workshop / Training Programme	Organizer
1.	Hands on training on Bioprospecting: Instrumentation Methods and Phytochemical Analysis	Institute of Forest Genetics and Tree Breeding, Coimbatore
2.	One Day Workshop and Training	Department of Environmental Science,

3.	Programme on ICP-MS UGC Sponsored Training Programme on Research Methodology in Zoology	Bharathiar University, Coimbatore Department of Zoology, Bharathiar University, Coimbatore
4.	One Day National Workshop on Recent Advances in Aquatic Research	Kongunadu Arts and Science College, Coimbatore
5.	Workshop on Cytogenetics and Immunotechnology	Department of Biotechnology, Bharathiar University, Coimbatore
6.	National Workshop on Intellectual Property Rights- Opportunities, Issues and Challenges	Department of Botany, Bharathiar University, Coimbatore
7.	Workshop on Preparation of Winning Project Proposals	Project Preparation Club, Bharathiar University, Coimbatore
8.	Summer Training Programme in Biological Science for Post Graduate Students	Avinashilingam Deemed University For Women, Coimbatore
9.	Placement Training Workshop Finishing School	Vertical Eye
10.	Internship training	Shanthi poultry farm (Pvt) Ltd

FACULTY DEVELOPMENT PROGRAMME ATTENDED

S.NO	TITLE	ORGANIZATION
1	Metals in Biology	NPTEL – AICTE
2	Innovative and Responsive Teaching skills.	Teaching Learning Centre, Coimbatore Institute of Technology, Coimbatore.
3	New Framework of NAAC Accreditation	Internal quality assurance cell, PSGR Krishnammal College for women, Coimbatore.
4	International virtual lecture workshop on Challenges and issues on coastal and ocean research	Department of Marine Science, School of Marine Sciences, Bharathidasan University, Tiruchirappalli, Tamilnadu
5	National Level FDP on Hybrid Teaching Learning	Department of Business Administration, PSGR Krishnammal College for Women, Coimbatore- 641004
6	Effective Teaching With Research Blend - Special Emphasis To Deep Learning & Ethical Value	Department of Biotechnology, Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore - 641 402.

CONFERENCE/ SEMINARS/ SYMPOSIUM PARTICIPATED

S.No	Conference / Seminar / Symposium	Institution
1.	International Conference on Environment, Genes, Health and Diseases	Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore
2.	One day Awareness Program on Down Syndrome	Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore
3.	Symposium on Materials and Research Techniques	Department of Physics and Medical Physics, Bharathiar University, Coimbatore
4.	International Symposium on Public Health Emergency and Disaster Management	Hindusthan College of Arts and Science, Coimbatore- 641 028
5.	CME National seminar on Advances in Basic and Clinical Immunology	Department of Zoology, Bharathiar University, Coimbatore
6.	National Seminar on Current Scenario in Botanical Research	Department of Botany, Bharathiar University, Coimbatore
7.	3 rd International Congress on Global Warming on Biodiversity of Insects: Management and Conservation Strategies	Department of Zoology, Bharathiar University, Coimbatore
8.	National Seminar on Cancer Biology	Department of Biotechnology, Bharathiar University, Coimbatore
9.	State level Seminar on Recent Advances in Biological Sciences	Kongunadu Arts and Science College, Coimbatore
10.	Regional Science Congress on Science for Shaping the Future of India	Kongunadu Arts and Science College, Coimbatore
11.	2 nd Symposium on Animal welfare and Conservation	Nirmala College for Women, Coimbatore
12.	International Symposium on Environment Risk Assessment	Department of Zoology, Bharathiar University, Coimbatore
13.	Motivational Seminar on Indian Ethos	Department of Zoology, Bharathiar University, Coimbatore
14.	Motivational Seminar on Life Skills	Department of Zoology, Bharathiar University, Coimbatore
15.	National Seminar on Bioresources Conservation and Management	P.S.G.R Krishnammal College for Women, Coimbatore

Online Webinars Attended

- National level -7
- International level – 3
- Hands on Training – 2
- Faculty Development Programme – 4

AWARDS AND PRIZES WON

- Secured **III Prize in Best Presentation Award (faculty)** in International Conference on Recent Progresses in Biological Sciences organized by Department of Biotechnology,

New Delhi & the Management, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi (4-5 March, 2022)

- Received **Best Poster Presentation Award** in International Conference on Contamination Site Remediation organized by Tamil Nadu Agricultural University, in association with CRC CARE, New Castle, Australia (13-15 December 2016)
- Recipient of **Post Graduate Indira Gandhi Scholarship For Single Girl Child** (2010-2012).
- Received Certificate of Merit (**BEST OUTGOING STUDENT**) award in Under Graduation (2010).
- Served as a Secretary of Eco watch club during 2009- 2010.
- **FIRST PRIZE** in Inter-collegiate Essay writing competition (2009).
- Received **PROFICIENCY PRIZE** in Tamil and English during 2008-2009.
- Recipient of **RAJYAPURASKAR AWARD** in Guide (2005).

INSTRUMENTAL KNOWLEDGE

Uv/vis spectrophotometer, Fluorescent microscope, Sonicator, Muffle furnace, Cooling centrifuge, Light microscope, Ultrascope, Gel electrophoresis, Digital weighing balance, Autoclave, Hot air oven, pH meter.

PERSONAL DETAILS

Date of Birth : 01-01-1990
Marital Status : Married
Sex : Female
Nationality : Indian
Languages Known : English, Tamil

REFERENCES

Dr. M. Ramesh, Professor and Head, Department of Zoology, Bharathiar University, Coimbatore. Email: mathanramesh@yahoo.com	Dr.N. Ezhili, Principal, PKR Arts College for Women, Gobichettipalayam. Email: ezhilinatarajan@gmail.com
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DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

PLACE: Coimbatore

(K.KRISHNA PRIYA)