

DR. PUSHPA KUMARI

Assistant Professor

Department of Aquatic Environment and Animal Health Management

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Specialization:

- Fish health management, Fish Parasitology, Fish Toxicology, Phytotherapy, Nanotechnology

Education Qualifications

Degree	University	Year of passing
B.F.Sc.	Kerala University of Fisheries and Ocean Studies (KUFOS)	2016
M.F.Sc.	ICAR-Central Institute of Fisheries Education, Mumbai	2018
Ph.D.	ICAR-Central Institute of Fisheries Education, Mumbai	2026

Employee

Name of Post	From	To	Address
Assistant Professor	March 17th, 2022	Continuing	College of Fisheries, Kishanganj

Five Best Research Articles

- Antiparasitic effect of aqueous and organic solvent extracts of *Azadirachta indica* leaf against *Argulus japonicus* in *Carassius auratus*, *Aquaculture*, 511, p.634175.
- Anti-parasitic efficacy of green-synthesized silver nanoparticles on *Argulus siamensis*: An ectoparasite of fish and their effect on the expression of ion channel genes. *Aquaculture International*, 33(2), p.83.
- Antiparasitic efficacy and safety evaluation of green-synthesized silver nanoparticles as sustainable nanotherapeutics against *Argulus siamensis* in *Labeo rohita*. *Veterinary Parasitology*, p.110742.
- Green silver nanoparticles as a potential control strategy against *Ichthyophthirius multifiliis*: Efficacy and toxicity evaluation in goldfish, *Carassius auratus*. *Acta Tropica*, p.108112.
- Bisphenol-A (BPA) induces cytotoxicity and oxidative stress in gill cells of zebrafish (*Danio rerio*). *Aquatic Toxicology*, p.107820.

Other Publications

- Research Papers: 14
- Review Articles: 03
- Popular Articles: 04
- Book Edited: 03
- Book Chapters written: 05
- Extension Articles: 08
- Practical Manuals: 02

Research Interest Score	2 3 4	H-index	8	Total Citation	173
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Research

Ongoing Research Project: 02 (As CO-PI)

1. Development of a Sustainable Fish Feed Nutraceutical Using Orange Peel Waste- Derived Selenium Nanoparticles
2. Effect of Abiotic Stressors on the Toxicokinetic and Bioconcentration of Microplastics in Fish.

Completed Research Project: 01 (PI)

1. Study on the antiparasitic effect of green synthesized Silver nanoparticles against common ectoparasites of goldfish, *Carassius auratus* (Completed in March 2026)

Membership of Professional bodies

1. Life member of Society for Promotion of Farm and Companion Animals
2. Member of All India Agricultural Students Association (AIASA)
3. Life membership of CoF Kishanganj Alumini Association (COFKAA)

Honour and Awards

1. Recipient of the **Best “Woman scientist Oration Award”** during AEMS-2024 National Conference, organized at COF, Kishanganj from 18-19th November 2024.
2. Recipient of Best poster presentation award during National Conference on SPFCS organized by COVAS, Kishanganj during February 9-10, 2026.

