Department of Zoology

Name : Dr. M. Karthik

Designation : Assistant professor

Qualification : Ph.D

Date of Birth : 19.07.1990

Area of Specialization: Crustcean nutrition and it's Immunology

Mobile Number : 9500990855

Email ID : karthik.zoology@gmail.com

EDUCATION

Ph.D. - February 2019, Bharathiar University, Coimbatore-641046.

M.Phil -September-2013, University of madras, Chennai-600025

M.Sc - 2010 – 2012, J.K.K.Nattraja college of arts and Science, Komarapalayam-638183.

B.Sc - 2007-2010, Government arts and Science College, Salem-636007.

TEACHING EXPERIENCE

- Served as Assistant Professor at Department of Zoology (U.G&P.G), Sri Vijay Vidyalaya College of Arts and Science College for Women, Dharmpuri From August-2018 to April 2019
-

Teaching Experience : UG: 0 yrs 8 months
PG: 0 yrs 8 months

Research Experience : 6 Years

NET /SET Qualified : Nil

Research Guidance : **Nil**

Publications

National : 5

International : 10

Membership in Professional Bodies:

Research Projects (Major/ Minor/ Consultancy)
Completed:

Ongoing:

Approved:

Recent publications in International journals

1. **Madhayan Karthik** and Periyakali Saravana Bhavan .2018. Supplementation of *Lactobacillus brevis* for Growth Promotion of the Freshwater Prawn *Macrobrachium rosenbergii* Post Larvae and Identification of Gut Microflora through 16s rDNA. Research journal of biotechnology. 13(1): 34-50. **(IF- 0.2)**

2. **M. Karthik**, P. Saravana Bhavan and T. Manjula 2017. Growth Promoting Potential and Colonization Ability of Probiotics (*Bacillus coagulans* and *Bacillus subtilis*) on the Freshwater Prawn *Macrobrachium rosenbergii* Post-Larvae . Insights in Biology and Medicine. 2018; 2; 007-018.

3. **M. Karthik**, P. Saravana bhavan, V. Seenivasan, A. Asaikkutti, T. Muralisankar and R. Mahendran. 2018. Dietary supplementation of *lactobacillus fermentum* for improving the survival, growth and nutritional profiles of the prawn *macrobrachium rosenbergii*, and 16S rDNA based identification of its establishment. Scholars report.(3) 1:39-62.

4. Annamalai Asaikkutti, Periyakali Saravana Bhavan and **Madhayan Karthik** (2017). Isolation, Purification and Characterization of Low Molecular Weight Trypsin from Freshwater prawn *Macrobrachium malcolmsonii*. Research Journal of Biotechnology, Vol. 12 (7) July. **(IF- 0.2)**

5. V Narmatha,. P Saravana Bhavan, **M Karthik**, V Srinivasan, R Mahendran and T Satgurunathan (2017). *Lactobacillus fermentum* on ammonia reduction and growth promotion of *Macrobrachium rosenbergii* post larvae, and *in vitro* competitive exclusions of pathogenic bacteria. International Journal of Fisheries and Aquatic Studies 2017; 5(1): 506-514.

6. Asaikkutti A, Saravana Bhavan P, Vimala K, **Karthik M,** Praseeja C (2016) Dietary supplementation of green synthesized manganese-oxide nanoparticles and its effect on growth performance, muscle composition and digestive enzyme activities of the giant freshwater prawn *Macrobrachium rosenbergii*. Biol Trace Elem Res 35:7–17. **(IF- 1.3)**

7. Annamalai Asaikkuttia, Periyakali Saravana Bhavan, Karuppaiya Vimala, **Madhayan Karthik,** Praseeja Cheruparambath 2016) . Effect of different levels dietary vitamin C on growth performance, muscle composition, antioxidant and enzyme activity of freshwater prawn, *Macrobrachium malcolmsonii*. Aquaculture Reports 3 (2016) 229–236. **(IF- 1.06)**

8. Annamalai Asaikkutti, Periyakali Saravana Bhavan, Karuppaiya Vimala and **Madhayan Karthik** (2016). Species Specific Activity of Digestive Enzymes in Two Freshwater Prawns *Macrobrachium rosenbergii* and *Macrobrachium malcolmsonii Juveniles Journal of Advances in Biology & Biotechnology* 10(3): 1-8.

9. Annamalai Asaikkutti, Periyakali Saravana Bhavan, Karuppaiya Vimala, **Madhayan Karthik**, Praseeja Cheruparambath and Gobalan Rajkumar (2016). Effect of different levels dietary vitamin C on growth performance, muscle composition, antioxidant and enzyme activity of freshwater prawn, *Macrobrachium malcolmsonii*. International Journal of Pure and Applied Zoology .7, (1) pp: 85-91.

10. Annamalai Asaikkutti, Periyakali Saravana Bhavan, Karuppaiya Vimala, **Madhayan Karthik** (2016). Effect of Different Levels of Dietary Vitamin C on Growth Performance, Muscle Composition, Antioxidant and Enzyme Activity of *Macrobrachium rosenbergii*. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. DOI 10.1007/s40011-016-0772-5. **(IF- 0.39)**

11. Annamalai Asaikkutti, Periyakali Saravana Bhavan, Karuppaiya Vimala, **Madhayan Karthik** (2016). Effect of Different Levels of Dietary Vitamin C on Growth Performance, Muscle Composition, Antioxidant and Enzyme Activity of *Macrobrachium rosenbergii*. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. DOI 10.1007/s40011-016-

    0772-5. **(IF- 0.39)**

12. Narasimman Manickam, Periyakali Saravana Bhavan, Perumal Santhanam, Rajagopal, Bhuvaneswari, Thirunavukkarasu Muralisankar, Veeran Srinivasan, Annamalai, Asaikkutti, Gopalan Rajkumar, Rajendaran Udayasuriyan and **Madhayan Karthik**, (2018). Impact of seasonal changes in zooplankton biodiversity in Ukkadam Lake, Coimbatore, Tamil Nadu, India, and potential future implications of climate change. The Journal of Basic and Applied Zoology, 79:15

13. Gopalan Rajkumar, Periyakali Saravana Bhavan,Veeran Srinivasan, Annamalai Asaikkutti, Rajendran Udayasuriyan, **Madhayan Karthik**, Thangavelu Satgurunathan, (2018). Effect of Marine Alga (*Turbinaria Ornata*) Mixed Diet on Some Aspects of Biology of Post Larval *Macrobrachium rosenbergii. Proc Zool Soc.https://doi.org/10.1007/s12595-018-0261-3*.

14. Gopalan Rajkumar, Periyakali Saravana Bhavan, Muthu Suganya, Veeran Srinivasan, **Madhayan Karthik**, Rajendran Udayasuriyan, (2018). Phytochemical Characterization of Marine Macro Alga *Sargassum polycystem*, Molecular Docking, and *In Vitro* Antibacterial Activity against *Psuedomonas aeruginosa.* IBBJ Winter 2018, Vol 4, No 1.

15. S. Manjula, P. Sarvanabhavan, M. Karthik, D. Anitha, R. Kalapana, and T. Manjula (2018).Survival, Growth, Activities of Digestive Enzymes, Concentrations of Basic Biochemical Constituents and Competitive Exclusion of Pathogenic Bacteria in *Bacillus Coagulans* Supplemented Diet Fed *Macrobrachium rosenbergii* Post-Larvae. International Journal of Research Studies in Science, Engineering and Technology. Volume 5, Issue 12, 2018, PP 9-22

MERITS AND HONOR