

Name of the Teacher: Dr GIRISH KUMAR B

Designation : H.O.D & Assistant Professor

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Academic Qualification

MSc., MPhil., BEd., PhD

Area of Interest/Specialization

Eco-toxicology

Teaching Experience (as on 31.03.2021) : 16 yrs 7 Months

Details of Major or Minor Projects

Nil

Administrative / Official Responsibilities

1. Acting as Head of Department from 30/09/2017 till date
2. Served as Vice Principal from 01/04/2018 to 31/03/2018
3. Served as Public Information Officer from 01/04/2018 to 31/03/2018
4. Served as Chief Superintendent of Public Service Commission from 01/04/2018 to 31/03/2018 .
5. Acting as secretary for College council from 2020 till date

Academic Positions

1. Selected as member of UG Board of Studies, University of Kerala twice
2. Served as Chairman for the conduct of Semester 1 and 3 of MSc Zoology examination March 2019

3. Nominated as Chairman for the conduct of Semester 1 of MSc Zoology examination March 2021
4. Entrusted for setting question paper for BSc and MSc Zoology programmes in 2013-2014 and 2014-2015 and 2015-2016.
5. Selected as member of pass board for MSc Zoology examination in 2015

Awards and Accolades

1. *Awarded teacher fellowship for doing PhD under FDP of UGC in 2010.*
2. *Accredited as a peer reviewer for Toxicology Mechanisms and Methods of Taylor and Francis*
3. *Accredited as a reviewer for Asian Journal of Fisheries and Aquatic Research in 2020*
4. *Accredited as a peer reviewer for Uttar Pradesh Journal of Zoology in 2020*
5. *Accredited as a peer reviewer for Annual Research and Review in Biology in 2021.*
6. *Admitted as life member of the Kerala Academy of Sciences as per No. L 475 dtd. 08/02/2018.*
7. *Admitted as life member of National Academy of Biological Studies as per No. LM - L - 041-2017 dtd. 24/08/2017.*
8. *Accredited as member of International Society of Zoological as per No. 1432 - 1 dtd. August 2021.*
9. *Admitted as member of the Zoological Society, Kolkata as per No. OM/G - 1 dtd. 24/08/2017.*
10. *Admitted as Life Member of the Malabar Natural History Society (MNHS). Membership No. Gen./MNHS/2017/25 dtd. 28/08/2017*
10. *Admitted as Life member of the Indian Science Congress Association (ISCA). Dtd 08/08/2018.*

Seminar / Conference organized

Conducted a National Seminar "Wetlands for Disaster Risk Reduction" on Wetlands day organized by PG Department of Zoology, MSM College, Kayamkulam on 2nd February 2016

Training Courses attended

Attended UGC sponsored Orientation Programme conducted by Academic Staff College, Univ. of Kerala, Thiruvananthapuram from 27/07/2008 - 12/08/2008

Attended UGC sponsored Refresher course conducted by Academic Staff College, Univ. of Kerala,

Thiruvananthapuram from 02/02/2017 - 22/02/2017

Attended UGC sponsored refresher course conducted by Academic Staff College, Univ. of Kerala, Thiruvananthapuram from 08/11/2017 - 28/11/2017.

Attended UGC sponsored short- term course conducted by Academic Staff College, Univ. of Kerala, Thiruvananthapuram from 18/07/2018 - 25/07/2018.

Attended UGC sponsored short- term course conducted by Academic Staff College, Univ. of Kerala, Thiruvananthapuram from 22/11/2018 - 29/11/201.

Attended 7 days online Faculty Development Programme sponsored by Satyabhama Institute of Science and Technology (Deemed to be University) from 3rd - 9th August 2020.

Participated in National level 5 days online training in Biological Sciences conducted by Post Graduate Department of Botany, Sree Narayana College, Nattika from 03/08/2020 to 07/08/2020.

Seminar / Conference attended

1. Participated in the National seminar on wetland biodiversity organized by the limnological association of Kerala at Milad-E-Sherief Memorial college, Kayamkulam held on 9th and 10th of February 2008
2. Participated in the UGC sponsored National seminar on environmental challenges of 21st century organized by TKMM College, Nangiarkulangara held on 10th and 11th of December 2009.
3. Participated in the National Symposium on Impact of Climate Change on Aquatic Ecosystems held on 18-19 February 2010 at School of Marine Sciences, Cochin University of Science and Technology
4. Participated in the National seminar on wetlands- values and functions organized by Cochin University of Science and Technology and the Society of Marine Biodiversity held on 2nd February 2011.

5. Participated in the UGC Sponsored National seminar on current trends in biotechnology and bioinformatics organized by the P.G. and Research Department of Zoology, NSS Hindu College, Changanacherry held on 4th and 5th of March 2011.
6. Participated in the Seminar on Harmful Algae Blooms held on 8th December 2011 at Central Institute of Fisheries Nautical and Engineering Training (CIFNET), Kochi organized by Swadeshi Science Movement, Kerala and CIFNET.
7. Participated in the UGC Sponsored National seminar on conservation and management of mangrove ecosystem with special reference to its faunal diversity organized by the P.G. and Research Department in Zoology, NSS Hindu College, Changanacherry held on 3rd and 4th of December 2014.
8. Participated in the UGC Sponsored International Conference on Biodiversity and Evaluation: Perspective and Paradigm Shifts organized by the Department of Zoology, Sree Sankara College, Kalady, Kerala and presented a paper entitled “Toxicity effects of copper on the Teleost fish, *Anabas testudineus* (Bloch, 1792) as a model organism” held on December 2nd and 3rd of December 2015.
9. Participated in the International Conference on Science, Engineering, Technology and Management organized by the Department of Mathematics, Kuriakose Elias College, and presented a paper entitled “Anti-arthritis activity of polyphenolics from virgin coconut oil” affiliated to Mahatma Gandhi University, Kottayam held on 8th and 9th of March 2017.
10. Participated in the National Seminar on Environmental Degradation and Climate Change-A Holistic Approach organized by the School of Environmental Studies of the Cochin University of Science and Technology held on 15th March 2017.
11. Participated in the UGC Sponsored National seminar on Marine ecosystem health organized by the Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science and Technology, Cochin held on 16th and 17th of March 2017.
12. Participated in the Kerala State Council for Science, Technology and Environment sponsored National seminar on Ecotechnological perspectives for Sustainable Development organized by the School of Biosciences, Mahatma Gandhi University Kottayam, Kerala held on 27th and 28th of July 2017.
13. Acted as member of scientific committee and chaired a session in the International seminar

on traditional and alternative medicine (ICTAM,2017) held on 18 and 19 September 2017 conducted by the Department of Biochemistry, St. Thomas College, Pala under the sponsorship of the Kerala State Medicinal Plants Board

14. Attended the UGC sponsored Refresher Course sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA) conducted by the UGC- HRDC, Academic Staff College, University of Kerala, Kariavattom and presented a paper on 27/11/2017 entitled “Histochemical lesions of the gill as a consequence of bioaccumulation of copper in *Anabas testudineus* (Bloch, 1792)”

15. Acted as Chairman of the organising committee for the National seminar on emerging challenges in biodiversity conservation with special reference to recent trends in ecotoxicology (ECBCRTET 2018) and presented a paper entitled “Lead induced histopathological changes in liver and gill of *Anabas testudineus* (Bloch, 1792) exposed to sublethal concentration”. held on 26-27 February 2018 organised by PG Department of Zoology, Milad E Sherief Memorial College, Kayamkulam under the sponsorship of Kerala State Biodiversity Board and The Kerala State Council for Science, Technology and Environment.

16. Participated in Spit – free India Movement from June to August 2020 to prevent the spread of Covid 19 organized by Alamelu Charitable Foundation sponsored by TATA Trusts and National Service Scheme

17. Participated in the Virtual Symposium on the recent trends in Aquaculture Industries sponsored by Centre for Ocean Research and Sathyabama University in association with Ministry of Earth Science Technology Cell from 20th to 25th July 2020.

18. Participated in the National Webinar on Nature Conservation in the time of Covid 19 organized by the Department of Zoology and Nature Club, Sree Narayana College, Sivagiri on 2nd August 2020.

19. Attended oneday online webinar on Publishing Ethics conducted by Taylor and Francis Group and DeLCON Consortium on 5th August 2020.

20. Participated in the National level Five days Online Training in Biological Sciences conducted by the PG and Research Department of Botany, Sree Narayana College, Nattika from 3rd to 7th August 2020.

21. Participated in the two days International Virtual Conference on Frontiers in Health Sciences organized by Cotton University in association with the Department of Bioscience and Bioengineering, IIT, Guwahati and Indian Academy of Biomedical Sciences, Lucknow on 7th and

8th August 2020.

22. Participated in the 7 days online Faculty Development Programme on Small Molecules – Strategies and Sophistication organized by Centre for Ocean Research and Sathyabama University in association with Ministry of Ocean Science Technology from 3rd to 9th August 2020.

23. Participated in one day International Webinar on Green Synthesis based nanoparticles and its biomedical applications organized by PG and Research Department of Zoology Arulmigu Palaniandavar College of Arts and Culture, Palani on 9th August 2020.

24. Attended one day online webinar on Open Research Publishing conducted by Taylor and Francis Group and DeLCON Consortium on 11th August 2020.

25. Participated in the National Webinar on the Present Pandemic induced Crisis: Understanding from an Anthropological Perspective organized by PG Department of Anthropology, MC College and Department of Education, Mazbat College, Assam on 11th August 2020

26. Participated in one day Webinar on Identification, Rescue and Release of Snakes organized by Department of Zoology, St. Francis De Sales College, Nagpur on 11th August 2020.

27. Attended one day Panel Discussion on National Education Policy – 2020 conducted by Department of Commerce, Bishop Moore College, Mavelikkara on 13th August 2020.

28. Participated in the National Webinar on New Education Policy organized by Postgraduate Department of Economics, Govt. College for Women, Thiruvananthapuram on 22nd and 23rd August 2020.

29. Participated in the National Webinar on Environmental Impact Assessment – Past, Present and Future organized by Department of Botany, Baselius College, Kottayam on 24th August 2020.

30. Participated in the National Webinar on Climate Change, Sustainable Development and EIA organized by the Internal Quality Assurance Cell, Devaswom Board College, Thalayolaparambu on 24th August 2020.

31. Participated in the one day Webinar on Mosquito borne diseases in Kerala: an update organized by the Department of Zoology, MSM College, Kayamkulam on 25th August 2020.

32. Participated in the one day Webinar on DNA Barcoding and Fingerprinting organized by the Department of Zoology, MSM College, Kayamkulam on 12th September 2020.

Social Media Links

Nil

International Journal Publications

1. B. Girish Kumar, S.Bijoy Nandan, T.ArchanaKumari and Sajeevan. *Curative effect of Vitamin C on the Variation in Biochemical and Histopathological Parameters Induced by Copper Exposure in the Teleost Fish, Anabas testudineus (Bloch,1792)*. Journal of Environmental Science, Toxicology and Food Technology, 2014. 8 (8) 2,p. 28-32. Impact Factor-8.48
Publisher-International Organization for Scientific Research.
2. B. Girish Kumar and Sivasankaran Bijoy Nandan. *Effects of Copper on the Humoral and Biochemical Indices of the Teleost Fish, Anabas testudineus (Bloch, 1792)*, Walailak Journal of Science and Technology, 2014. 11 (10), p.871-882. Impact Factor. 0.171.
Publisher-Institute of Research and development, Walailak University, Thasala, Thailand.
3. B. Girish Kumar and S. Bijoy Nandan. *Protective effect of Vitamin C on the variations in biochemical and histopathological parameters induced by copper in the Teleost fish, Anabas testudineus (Bloch, 1792)*, International Journal of Current Research, 2014. 6 (9),p.8322-8330. Impact Factor- 7.086
Publisher- International Journal of Current Research, Brazil.
4. A.Vaisakh, M.Ratheesh, T.P.Rajmohan, C.Pramod, S.Premlal, B.Girish Kumar and P.I.Sibi. *Polyphenolics isolated from virgin coconut oil inhibits adjuvant induced arthritis in rats through antioxidant and anti-inflammatory action*, International Immunopharmacology, 2014. 20,p. 124-130.
(Featured in the Sciencedirect top 25 list of most downloaded articles and ranked 6th on the top 25 for international immunopharmacology - april to june 2014). Impact Factor. 2.711.
Publisher-Elsevier.
5. B.Girish Kumar, B and S.Bijoy Nandan. *Toxicity effects of Copper on the Teleost fish, Anabas testudineus (Bloch,1792) as a model organism*. International Conference on Biodiversity Evaluation, Perspectives and Paradigm Shifts. 2015.

Publisher- Cochin University of Science and Technology, Cochin and Sree Sankara College, Kalady

6. M. Ratheesh, Jose P. Svenia, S. Asha, S. Sandya, B. Girishkumar and I. M. Krishnakumar. *Anti-inflammatory effect of a novel formulation of coconut inflorescence sap against ox-LDL induced inflammatory responses in human peripheral blood mononuclear cells by modulating TLR-NF- κ B signaling pathway*, *Toxicology mechanisms and Methods*. 2017. Impact Factor. 1.595 Publisher-Taylor & Francis. <https://doi.org/10.1080/15376516.2017.1344339>
7. M. Ratheesh, S. Sandya, C. Pramod, S. Asha, Jose P. Svenia, S. Premalal and B. Girish Kumar. 2017. *Anti-inflammatory and antioxidant effect of Kerabala: a value added ayurvedic formulation from virgin coconut oil inhibits pathogenesis in adjuvant-induced arthritis*, *Inflammopharmacology, Experimental and Therapeutic Studies*, 2017. Impact Factor. 2.590. Publisher- Springer, <https://doi.org/10.1007/s10787-016-0298-8>.
8. Svenia P. Jose, Asha S, Krishnakumar IM, Ratheesh M, Savitha Santhosh, Sandya S, Girish Kumar B and Pramod C. 2017. *Nephro-protective effect of a novel formulation of unopened coconut inflorescence sap powder on gentamicin induced renal damage by modulating oxidative stress and inflammatory markers*, *Biomedicine & Pharmacotherapy*, 2017. (85): 128–135. <http://dx.doi.org/10.1016/j.biopha.2016.11.117>. Impact Factor. 2.759. Publisher- Elsevier.
9. Published a book entitled “*Toxicity Induced Changes of Copper and Lead on Anabas testudineus*”. Publisher: Lambert Academic Publishing, 4 International Book Marketing Services Ltd., Member of Omniscryptum Publishing Group, Beau Bassin, Mauritius, 2017. ISBN:978-620-2-02704-5
10. Svenia P. Jose, M. Ratheesh, S. Asha, I. M. Krishnakumar, S. Sandya, B. Girishkumar. *Hepatoprotective effect of clove bud polyphenols (Syzygium aromaticum L.) (Clovino) by modulating alcohol induced oxidative stress and inflammation*. *J. of Food Science-Canadian center of Science and education*, 2018. www.ccsenet.org:vol 7.

Impact Factor- 3.638. Publisher- Canadian Center of Science and Education

11. S. Sheethal, M. Ratheesh, Svenia P. Jose, S. Asha, I. M. Krishnakumar, S. Sandya, B. Girishkumar and John Grace. *Anti-Ulcerative Effect of Curcumin-Galactomannoside Complex on Acetic Acid-Induced Experimental Model by Inhibiting Inflammation and Oxidative Stress*. Inflammation, 2020. DOI: 10.1007/s 10753-020-01218-9
Impact Factor- 4.092. Publisher- Springer

National Journal Publications

1. B. Girish Kumar and S. Bijoy Nandan. *Copper Toxicity: Haematological and histopathological changes and prophylactic role of vitamin C in the fish Anabas testudineus (Bloch, 1792)*, The Journal of Zoology, 2014. 1 (3), p.5-13.
Publisher- The Journal of Zoology, India.
2. S. Bijoy Nandan, C. M. Sumitha and B. Girish Kumar. *Manganese induced haematological and histopathological changes in Oreochromis mossambicus (Peters, 1852)*, Pollution Research, 2013. 32(3), p.555-562. NAAS Rating-4.75
Publisher- EM International, India.

Book Chapter Publications

Published a book entitled "*Toxicity Induced Changes of Copper and Lead on Anabas testudineus*".

Publisher: Lambert Academic Publishing, 4 International Book Marketing Services Ltd., Member of Omniscriptum Publishing Group, Beau Bassin, Mauritius, 2017. ISBN: 978-620-2-02704-5

International Conference Publications

1. B. Girish Kumar, B. and S. Bijoy Nandan. *Toxicity effects of Copper on the Teleost fish, Anabas testudineus (Bloch, 1792) as a model organism*. International Conference on Biodiversity Evaluation, Perspectives and Paradigm Shifts. 2015.
Publisher- Cochin University of Science and Technology, Cochin and Sree Sankara College, Kalady.

ISBN 978 - 93 - 80095 - 70 - 7.

2. Ratheesh,M, Svenia P.Jose and Girish Kumar,B. *Anti-arthritis activity of polyphenolics from virgin coconut oil* was presented in the International Conference on Science,Engineering,Technology and Management as paper ID 188.

Publisher- Kuriakose Elias College,Kottayam,Kerala. 2017. `ISBN 978 - 93 - 5291 - 469 - 2.

National Conference Publications

Nil

Workshops Attended

Nil

Other Publications

Nil

Other Relevant information

1. Served as Co-ordinator of The Buds during the year 2008-2009
2. Served as Co-ordinator of Nature Club during the year 2009-2010

Additional Resources

Nil