

## Biodata: Dr A Biju Kumar

### Present Position

Professor and Head, Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram – 695 581, Kerala.

Joint Director, Centre for Global Academics, University of Kerala

Telefax: +91 0471 2308131; Mobile: 09447216157; Email: bijupuzhayoram@gmail.com; bijukumar@keralauniversity.ac.in

### Educational Qualifications

Exam Passed	Name of Institution/University	Year of passing	Subject	Division/Rank
Ph.D.	Dept. of Aquatic Biology & Fisheries, University of Kerala	1996	Science (Aquatic Biology & Fisheries)	--
M. Phil.	Dept. of Aquatic Biology & Fisheries, University of Kerala	1992	Aquatic Biology & Fisheries	Grade A
M Sc.	Dept. of Aquatic Biology & Fisheries, University of Kerala	1990	Aquatic Biology & Fisheries(Equalized to M. Sc. Zoology by University of Kerala)	I Class with Distinction, <b>I Rank</b>
B.Sc.	University College, University of Kerala	1988	Zoology (Main) Botany & Chemistry (Subsidiaries)	I Class

Attended overseas training in taxonomy and DNA barcoding at Czech Academy of Sciences, Mexican Academy of Sciences, Adelaide University and University of Guelph, Canada

### Awards and Fellowships

Kerala University Merit Scholarship, 1989-1990; First Rank in M. Sc. Aquatic Biology & Fisheries, 1990, University of Kerala; CSIR-UGC Lectureship (1990); Junior Research Fellowship of University Grants Commission (1992); Young Scientist Award by State Committee on Science, Technology and Environment (STEC), Govt. of Kerala, 1997; Young Scientist Award by Indian Academy of Environmental (1998); Good Service Entry from Government of Kerala (2002); Letter of appreciation from Ministry of Environment and Forests, Government of India for successfully implementing the National Green Corps (school eco-club programme) in Kerala State (2002); Ten best paper presentation awards in seminars; highest research grant award by University of Kerala (2016).

### Teaching Experience

Twenty one years teaching experience in Zoology (UG and PG levels) and Aquatic Biology and Fisheries. Guest lecturer, M.Phil. programme, Department of Computational Biology & Bioinformatics, and M.Tech. programme, Dept. of Future Studies, University of Kerala

## **Research Experience**

Twenty five years of research experience in the fields of taxonomy, biodiversity documentation, aquatic ecology and fisheries. PhDs produced: 9; currently guiding 8 PhD students and a post-doctoral fellow; M.Phil. projects guided: 18; Completed Major Research Projects of DST, DBT, UGC, and KSCSTE

## **Administrative Experience**

Scientific Officer in State Committee on Science, Technology and Environment (STEC), Govt. of Kerala from 4.6.1998 to 3.6.2002; Principal Scientific Officer and Member Secretary (in-charge), Kerala State Biodiversity Board, Govt. of Kerala (28.04.2006 to 29.06.2007); worked as State Nodal Officer of National Green Corps, the school ecoclub scheme of Ministry of Environment and Forests, Government of India (2001-2002); served as head of the department of Aquatic Biology and Fisheries from April 2011- 7 April 2014; 19 January 2015 (continuing); Served as Member, Senate, University of Kerala from 24.08.2011 to 23.10.2013

## **Editorial Board Memberships**

Worked as Chief Editor of Science India (Monthly National Science Magazine) during 2000-2004 period; Chief Editor, Journal of Aquatic Biology and Fisheries, University of Kerala (ISSN 2321 - 340X)

Continuing as reviewer for the journals -- Journal of Experimental Marine Biology and Ecology, Marine Biodiversity Records (Marine Biological Association of United Kingdom), Marine Environmental Research (International), Current Science, Indian Journal of Geo-Marine Sciences, Journal of Marine Biological Association of India, Indian Journal of Fisheries, Journal of Threatened Taxa, etc.

## **Memberships**

Life member in Marine Biological Association of India, Indian Fisheries Association, Indian Aquaculture Society, Inland Fisheries Society of India; Society of Environmental Education, Kerala (SEEK); Zoo Outreach Organisation, India; Indian Science Writers Association; Limnological Association of Kerala; The Society of Fisheries Technologists (India); Member, International Zoo Educators Association (IZE) South Asian Regional Network; Founder Member, Centre for Innovation in Science and Social Action (CISSA); Animal Welfare Officer, Animal Welfare Board of India; **Programme team member, Friends of Marine Life.**

## **Publications**

Research papers in peer-reviewed journals: 115

Books: 22; Technical documents: 8; Chapters in Books: 27; Edited books: 24;

Booklets: 5; popular articles: 204

Google Citations: 249; h index 7; Research gate score: 25.65

## **Membership in Expert Committees**

- Member, Expert Committee on Invasive Alien Species (IAS) constituted by National Biodiversity Authority (NBA), Chennai (2016-17).
- Member, Environment Research and Development Committee, Directorate of Environment and Climate Change, Govt. of Kerala (2012 onwards).
- Member in the committee constituted by Kerala State Council on Science, Technology and Environment to prepare State of the Environment Report (Kerala State).
- Worked as expert committee member of Kerala Forests and Wildlife Department to identify Gene Pool Conservation Areas (GPCA) in Kerala State.

- Worked as Convener, working group constituted by Government of Kerala for finalization of Draft Environment Policy of Kerala (Environment Department, Government of Kerala).
- Member, working group for State of the Environment Report Preparation for the Union Territory of Lakshadweep (Kerala State Council for Science, Technology and Environment).
- Coordinator, fish monitoring programme for the rivers of Kerala (Kallada up to Neyyar), (Kerala State Biodiversity Board).
- Member, expert committee constituted by Kerala Coastal Zone Management Authority to assess violations (several)
- Co-ordinator, Environmental Auditing, University of Kerala (2016)

**Consultancy:** Conducts environmental education and science popularization programmes for students, public and NGOs; consultancy for biodiversity programmes, aquarium keeping and taxonomy.