

NAME: Dr Shivakumar Magada



College name: College of Fisheries, Mangaluru

Department: Department of Aquatic Environment Management

Designation and address: Professor and Head

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Qualifications: M.F.Sc., Ph.D.

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Fields(s) of specialization: Aquatic Biology, Aquatic Resource Management, Reclamation of saline, alkaline soils, Integrated Farming Systems

#### Current Projects

Project title	Role in the project	Fund outlay	Funding agency
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Assessment of the Productivity Index of the selected Tanks in Dakshina Kannada	PI	0.56 lakhs	KVAFSU, Bidar

### Completed Projects

Project title	Role in the project	Fund outlay	Funding agency
Influence of Oceanographic Parameters on Plankton Assemblage and Pelagic Fisheries using Satellite Data along the Coast of Dakshina Kannada and Udupi Districts of Karnataka-funded by <b>INCOIS, MoES, GoI</b>	Co-PI	96 lakhs	INCOIS, Hyderabad
<b>New Advances in the integrated Management of food processing waste in India and Europe: use of Sustainable Technologies for the Exploitation of by-products into new foods and feeds-NAMASTE</b>	Co-PI	150 lakhs	EU-India consortium project; Department of Biotechnology, Government of India funded
Development of Fish Culture Technology for Saline/Alkaline Soils	PI	104 lakhs	(National Agricultural Development Program-RKVY, Government of India funded)
<b>EnFIWe: Enhancement of Farmers Income and Welfare</b> funded by Karnataka Agriculture Price Commission, Government of Karnataka	PI	25 lakhs	Karnataka Agriculture Price Commission, GoK

### Proposed research programmes

Management of Aquatic Resources on GIS based Analysis & Digitized Application (MAGADA)	MoEF, New Delhi	431.0
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### Recent Research Publications

**Shivakumar M**, 2017. Precision Aquaculture: IPAT, Oceanogr. Fish Open Access Journal 2017, 4 (5): 555647

**Shivakumar M.**, 2018. Need for Shift from Hypothesis to Data Driven Approach in Fisheries Research. Modern Concepts and Developments in Agronomy, Vol.3, Issue 5.

**Shivakumar M., 2018.** Organic Farming: Complex Realities-An opinion paper. Modern Concepts and Developments in Agronomy, Vol.2, Issue 1.

## Honours & Awards

**National Chanakya Award 2015** given by Public Relation Council of India (PRCI), New Delhi on 13.03.2015 for my contribution towards profession, industry and society

**Dr Abdul Kalam Life Time Achievement Award 2017** awarded by Krist Foundation, Bengaluru for the contribution in the field of science and it was awarded on 05.11.17

**Environmentalist of the Year 2017** by International Foundation for Ecology and Environment

## Others Achievements (less than 200 words)

In the last 2.5 decades of experience in teaching, research and extension education, dr Shivakumar handled 25 projects, Written 12 research papers, 16 books, 25 chapters and hundreds of popular articles. He is also a playwright, artiste, singer and personality development guru. Conducted 48 training programs for officers, farmers covering 3684 beneficiaries and delivered 291 guest talks reaching 30379+ people. Scientific books written by him are: Aquaculture- an alternative livelihood, Sustainable aquaculture, Freshwater prawn farming, Comprehensive disease management in shrimp farming, integrated fish farming etc.

His major research work was on “**Reclamation of Problematic soils**” funded National Agriculture Development Program, where he worked in 258 villages of selected districts and developed package of practice. Other noteworthy concepts developed by him are “Utilization of pressmud as a manure in aquaculture ponds”, “Stunted fingerlings production for utilizing seasonal waterbodies” and “Productivity Index Chart for Lentic Waterbodies”. Before joining to the University in 1995, he was “Aquaculture Consultant” during 1993-95 dealing shrimp seed production and farming. Looking at the global magnitude of problematic soil, I have established the new research centre “Centre for Applied Research on Problematic soils (CARPS)” in 2018.