

## RESUME



**VIKAS.P.A, Ph.D**

Subject Matter Specialist- Fisheries

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### **Educational Qualification**

- PhD (Bioscience) from Marine Biotechnology Division of ICAR-CMFRI, Kochi
- MSc (Applied Fisheries and Aquaculture) from St Albert's College, MG University, Kerala with 3rd rank in 2005
- Bachelors degree (BSc Botany) from St Thomas College, Thrissur in 2002
- Qualified National Eligibility Test (NET) by Indian Council of Agriculture Research in the professional subject (Fisheries Science) in 2010

### **Field of Specialization**

- Aquaculture - Cage fish culture – Design and Development
- Breeding and seed production of Pearlsport
- Live feed and Microalgae culture
- DNA Barcoding
- Mangrove Afforestation, Phytoremediation and Eco restoration

### **Professional Experience**

#### **2005-2007**

- Project fellow in the New Zealand Agency for International Development (NZ AID) funded project "Introduction of Cage fish culture For the Poverty Alleviation of fishers of Kerala, India" at Kottappuram Integrated Development Society (KIDS), Thrissur, Kerala

#### **2007**

- Research Assistant in the project of "Cage culture of Asian seabass (*Lates calcarifer*) in Rajiv Gandhi Centre for Aquaculture (RGCA), Karaikkal, Pondicherry, India

#### **2007 – 2010**

- Senior Research Fellow in a DBT funded project "Development of Genetically Improved Strains of Artemia, Brine Shrimp Using Quantitative and Molecular Genetic tools" at Marine Biotechnology Division of Central Marine Fisheries research Institute, Kochi

#### **2010 - 2011**

- Contractual technical Assistant in the Indian Council of Agricultural Research (ICARP) project on "Fish feeds"

## Publications

- P. A. Vikas, Kajal Chakraborty, N. K. Sajeshkumar, P. C. Thomas, N. K. Sanil & K.K. Vijayan (2014) Quality of Six Indian Populations of *Artemia franciscana* for Larval Finfish Culture, *Journal of Applied Aquaculture*, 26:3, 271-291, DOI: 10.1080/10454438.2014.
- Aquaculture related invasion of the exotic *Artemia franciscana* and displacement of the autochthonous *Artemia* populations from the hypersaline habitats of India. P. A. Vikas • N. K. Sajeshkumar • P. C. Thomas •Kajal Chakraborty • K. K. Vijayan. *Hydrobiologia* (2012) 684:129–142
- Unraveling the effects of live microalgal enrichment on *Artemia nauplii* (2012). Vikas, P. A., Chakraborty, K., Sajeshkumar, N. K., Thomas, P. C., Sanil, N. K., Vijayan, K. K. 2012. *Indian Journal of Fisheries* 59(4), 111–121.
- Mortalities caused by the crustacean isopod, *Cirolana fluviatilis*, in tropical, cage-cultured Asian seabass, *Lates calcarifer*: a case study from the southwest coast of India. Sanil, N.K, **Vikas, P.A**, Ratheesh, T.B, George, K.C, Vijayan, K.K., 2009. *Aquaculture Research*, 2009, 1-8.
- **Vikas P.A**, Shinoj Subramannian, John Bose and P.U. Zacharia (2016). Rejuvenation of the traditional pokkali farming system through integrated paddy-shrimp - fin fish farming: a case study from south India. *Cage Aquaculture Asia: Proceedings of the Fifth International Symposium on Cage Aquaculture in Asia*. 325-351. Asian Fisheries Society, Malasia and ICAR- CMFRI, Kochi, India
- **P. A. Vikas**, P. C. Thomas, , N. K. Sajeshkumar, Kajal Chakraborty, N. K. Sanil, K. K. Vijayan. 2016. Effect of salinity stress on biochemical constituents and ArHsp22 gene expression in *Artemia franciscana* *Indian J. Fish.*, 63(3): 150-156, 2016 150. DOI: 10.21077/ijf.2016.63.3.50894-23
- Quantitative genetic manipulation for nauplii size reduction of *Artemia franciscana* from Indian salinas and correlated changes in the PUFA profile (2014). N.K.Sajeshkumar, **P.A.Vikas**, P.C. Thomas, Kajal chakraborty, J.Jayasankar and K.K.Vijayanj. *Indian Journal of Fisheries*

## Patent

- ✓ Thomas P.C, Vikas P.A\*, Sajeshkumar N.K, Kajal Chakraborty, and Vijayan K.K. 2010. A process to prepare naturalized *Artemia franciscana* from Indian subcontinent with high docosahexaenoic acid and trehalose for aquaculture applications. (Patent application No. 2063/CHE/2010)

## Popular Articles and other Publications

- ✓ **Two training manuals**
- ✓ **Fifteen Popular articles (Malayalam)**
- ✓ **Two book Chapters**
- ✓ **Eight Radio Talks**
- ✓ **Three Television programmes (Doordarshan-Malayalam)**

## Major achievements

- **Recipient of Jawaharlal Nehru Award for outstanding Doctoral Thesis research of Indian Council of Agricultural Research-2014.**
- **Received best paper award** for the paper entitled “Sustainable intensification of food production from Pokkali farming system through Cage farming” authored from the **Dr. J.K. Jena, Chairman, AFSIB & Incoming President, Asian Fisheries Society** and Dr. A. Gopalakrishnan, Director, CMFRI for the during the 5th International Symposium on Cage Aquaculture in Asia (CAA5) during 25th to **28th November 2015.**
- **Scientific Committee on Oceanic Research (SCOR), University of Delaware, USA** student award for conference participation in Scotland, UK.
- **The Company of Biologists Ltd, Cambridge, UK** international student travel award
- **EGIDE, France** awarded special grand to present a paper at the international symposium ISDA 2010, at Montpellier, France.
- **SIR RATAN TATA Trust** international travel Award
- **Science and Engineering Research Board of Department of Science of Technology, Govt. of India** awarded International travel fellowship for attending Global Conference at FAO, Rome, Italy
  - Recipient of **Netherlands Fellowship** for International course Responsible aquaculture development for food security and economic progress organized by Centre for Development Innovation (CDI), Wageningen UR during 29 February – 11 March 2016