



**Name : Dr.M.Michael Babu**

**Designation : Assistant Professor**

**Department/Centre : Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Rajakkamangalam – 629 502  
E mail – michaelmsu@live.com**

### **Educational Qualification**

S.No.	Degree	University	Year	Subjects	Percentage
1.	Ph.D.	Manonmaniam Sundaranar University, Tirunelveli	1999	Aquacultural Microbiology	-
2.	M.Sc. (Biology)	School of Biological Sciences, M. K. University, Madurai	1989	Specialization in Industrial Microbiology	70
3.	B.Sc. (Botany)	Madurai Kamaraj University, Madurai	1987	Major - Botany, Chemistry & Zoology - ancillaries	80

### **Academic Affiliation**

- Life member Marine Biological Association of India
- Member in Aquaculture Engineering society
- Member in Phycological Society of India
- Member Asian Fisheries Science.

### **Professional Affiliation**

- 1990 - 1992 - **Algal curator**, I.F.S- Project, M.K. University, Madurai, Tamil Nadu, India.
- 1996 - 1999 - **Technical Manager**- Oceanic Shrimping Limited, Chennai, Tamil Nadu, India.
- 1999 – 2000 - **Research Associate**- DOD Project, Institute for Coastal Area Studies, M.S. University, Tirunelveli, Tamil Nadu, India.
- Since May 2000- **Assistant Professor**- Centre for Marine Science and Technology, M.S. University, Rajakkamangalam - 629502, Tamil Nadu, India.

## **Training and Consultancy**

1. Training course on "Diagnostic methodologies in shrimp pathology" conducted by Luxe Enterprises Ltd., Ping Tung, Taiwan at Aquamarine Centre, Nellore, A.P., India from 14 Feb 1997 to 21<sup>st</sup> May 1997.
2. Training on Hatchery operation and management conducted at Cochin by the Marine Product Export Development Authority of India (MPEDA), Cochin, 27 April - 29 May, 1992.
3. Training on shrimp spawners conducted by MPEDA, Thanjavur, 10 - 12 August 1993.
4. Training of Brackish water shrimp farming - conducted at Ramnad by the Marine Products Export Development Authority of India (MPEDA), Thanjavur. 11 - 15 April 1991.
5. DBT Sponsored National Training course on aquatic Biotechnological Techniques, Fisheries College and research Institute, Tuticorin from 6-20<sup>th</sup> December 2007.
6. Training on Recent Advances in Breeding and larviculture of Marine fin fish and shellfish, conducted by Central Marine Fisheries research Institute (Indian Council of Agricultural Research), Kochi, From 30<sup>th</sup> December, 2008 to 19<sup>th</sup> January, 2009.

## **Consultancy**

1. D.C.W. Tuticorin – Artemia production and *Spirulina* culture along with Dr.M. Peter Marian
2. Oceanic Shrimping Ltd, Chennai
3. Nice salt company, Puthalam- Establishment of Artemia cyst production in the salt pan.
4. Sankara Salt Company ,Puthalam, Kanyakumari District – Culture Technology for oil yielding Microalgae, Harvest and processing for oil.

## **Area of Research**

- Oil Production from Micro Algae.
- Artemia Pathology and Commercial Cyst Production.
- Isolation and Characterization of Active Herbal Principles for Inducing Reproductive Performance and Antimicrobial Activity.

## Publication

Number of Research papers published in Referred journals: 46

1. Babu, M. M, G. Immanuel, T. Citarasu, M. J. Punitha, S. Albin Das, C.V. Shankar, R. Arul and T. Selvaraj (2009) Advances in Microfilter Depurator for Defecation and Feeding of Artemia in Shrimp Hatcheries. Fishing Chimes 29: 2 51-55.
2. T. Selvaraj, M. Michael Babu, S. G. Prakash Vincent, T. Citarasu, Mary S. Josephine Punitha, S. Albin Das, V. Selva Shankar, R. Arul, S. Velmurugan, H. Kim and A. P. Lipton. 2009. Mutagenetic study on chitinase producing Chi-a gene from *Chromobacterium* strain C-61 expressed in *E. coli* XL-1 Blue. International journal of Biotechnology and Biochemistry 1:63-84.
3. Babu, M. M ,V. Sivaram, G. Immanuel, T. Citarasu and M. Punitha (2008) Effect of herbal enriched *Artemia* supplementation over the reproductive performance and larval quality in spent spawners of the tiger shrimp (*Penaeus monodon*). Turkey Journal of Fiseries and Aquatic Science 8: 301-307.
4. Punitha S. M. J., M. M. Babu, V. Sivaram, V. S. Shankar, S. A. Das ,T.C.Mahesh, G.Immanuel, T.Citarasu. (2008) Immunostimulating influence of herbal biomedicines on nonspecific immunity in Grouper *Epinephelus tauvina* juvenile against *Vibrio harveyi* infection. Aquacult Int. 16:511-523. IF -0.75
5. Immanuel.G.,R.P. Uma, P.Iyaparaj, T.Citarasu, S. M. Punitha, M. M. Babu and A. Palavesam (2008). Dietary medicinal plant extracts improve growth, immune activity and survival and survival of tilapia (*Oreochromis mossambicus*) *Journal of Fish biology*. 74, 1462-1475. IF -1.404

## Books and Monographs:

1. Methods in Marine Biotechnology. 2001. Eds. M. P. Marian, J. A. C. John, G. Immanuel and M. Michael Babu, M. S. University Publication, India.
2. Handbook for Artemia Farming in Salt Pans, 2006. Eds. M. Michael Babu and M. Peter Marian, Dept of Biotechnology, Govt of India –BT/PR2555/AAQ/03/124/2001, New Delhi, India

## Chapters in Books : 15

### Awards

**IFS award** - Received from International Foundation for SCIENCE (IFS), SWEDEN (F/3291-1/2004)

I hereby declare that the information provided by is true to the best of my knowledge.

(Head of the Department)

(Signature of the Faculty)