



## BIO-DATA

Dr. Ramesh Rathod  
Scientist  
Regional Research Centre  
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## Academic Qualifications

Ph.D. (Aquaculture) 2011-2015	ICAR-CIFE (Deemed University), Mumbai Thesis Title: Reproductive performance of Pengba ( <i>Osteobrama belangeri</i> ) in response to dietary lipids and formulations of suitable diet for fry
M.F.Sc. (Fish Nutrition and Biochemistry) 2005-2007	ICAR-CIFE (Deemed University), Mumbai Thesis Title: Fatty acid profiles of some important pelagic and demersal fishes off Mumbai coast with respect to their nutritive value
B.F.Sc. (Fisheries Science) 2001-2005	College of Fisheries Science, Muthukur (ANGRAU, Hyderabad)

## Professional Experiences

Scientist (RGP 7000) 2014 - onwards	RRC, ICAR-CIFA, Vijayawada
Scientist (RGP 6000) 2010- 2014	RRC, ICAR-CIFA, Vijayawada
Scientist (RGP 6000) 2009-2010	ICAR-CIFA, Bhubaneswar
Scientist (RGP 6000) 2009	ICAR- NAARM, Hyderabad

## Research projects

### ***Institute Funded***

I-102 (2019-2022)	Impact of exotic fish species farming on sustainability of carp culture in Andhra Pradesh (PI)
I-88E (2018-2021)	Development of improved health management Strategies in the changing scenario of Freshwater Aquaculture in India: Development of suitable prophylactic and control measures for health management in challenged freshwater aquaculture systems in India (Co-PI)
I-59W (2017-2020)	G/E interaction evaluation for growth rate of Jayanti rohu in different parts of India (Co-PI)
I-91G (2016-2019)	Comparative studies on primary productivity and plankton communities with reference to fish production and productivity in different fish farming systems in Krishna- Godavari delta, Andhra Pradesh (Co-PI)
I-91F (2016-2019)	Evaluation of the performance of white leg shrimp, <i>Litopenaeus vannamei</i> (Boone, 1931) in freshwater culture systems and refinement of culture practices (Co-PI)
I-90 (2014-2017)	Development of low cost feeds for <i>Macrobrachium rosenbergii</i> culture (Co-PI)
I-88A (2014-2017)	Integrated disease management of freshwater aquaculture: Characterization of gill associated fish pathogens and their diagnosis and control measures (Co-PI)
I-76 (2010-2011)	Studies on IMC and diversified fish species culture systems in Andhra Pradesh (Co-PI)
I-67 (2009-2011)	Impact of aquaculture on environment (Co-PI)

### ***External Funded***

E-107 (2016-2019)	Upliftment of Tribal community through scientific adoption of aquaculture technologies for the improvement of their livelihood and socioeconomic status in selected districts of Andhra Pradesh and Telangana states (PI)
E-88 2018-2021	ICAR Network programme on Antimicrobial Resistance (AMR) in Aquaculture & Fisheries (Co-PI)
E-94 (2015-2020)	Adaptation and mitigation strategies in fisheries and aquaculture to climate change with special reference to freshwater aquaculture (funded by ICAR-NICRA (Co-PI)

E-68 (2011-2016)	Establishment of hatchery and seed production facilities of Striped catfish, <i>Pangasianodon hypophthalmus</i> (Co-PI)
E-69 (2010- 2011)	Development of Better Management Practices (BMP's) for <i>Pangasianodon hypophthalmus</i> (striped catfish) farming in India (Co-PI)
E-67 (2010-2011)	Development of captive broodstock bank of giant freshwater prawn, <i>M.rosenbergii (scampi)</i> at Instructional freshwater fish farm, CoFc, Nellore, Andhra Pradesh

## PUBLICATIONS

- ✚ Bandla Seshagiri, Nagireddy, M.V., Ramachandraraju, V., Nagi Reddy, S., Rangacharyulu, P.V., **Ramesh Rathod**, Ratnaprakash, V. 2020. Impact of Nationwide lockdown on Freshwater aquaculture in Andhra Pradesh. *International Journal of Fisheries and Aquatic Studies*, 8 (4):377-384.
- ✚ Adhikari ,S., Mahanty D., Ikamil S., Sarkar S., **Rathod, R.** and Pillai, B.R., 2019. Carbon Storage in Sediments of freshwater fish ponds of Odisha, Andhra Pradesh and West Bengal in India. *Austin J. Environ.Toxicol.*, 5(1):1026.
- ✚ Adhikari S., Chaudhury Ajit Keshav, Gangadhar Barlaya, **Ramesh Rathod**, Mandal R.N., Sarosh Ikmail, Saha G.S., De H.K., Sivaraman I, Mahapatra A.S., Sarkar S., Routray P., Bindu R. Pillai and Sundaray J.K. 2018. Adaptation and Mitigation Strategies of Climate Change Impact in Freshwater Aquaculture in some states of India. *Journal of FisheriesSciences.com*, 12(1): 016-021.
- ✚ Mishra, S.S., Das, R., Choudhary, P., Debbarma, J., Sahoo, S.N., Giri, B.S., **Rathod, R.**, Kumar, A., Mishra C.K. and Swain, P. 2017. Present status of Fisheries and Impact of Emerging Diseases of Fish and Shellfish in Indian Aquaculture, *Journal of Aquatic Research and Marine Sciences*, 2017 (1):5-26.
- ✚ Mishra S.S., Rakesh D., Dhiman M., Choudhary P., Debbarma J., Sahoo S.N., Barua A., Giri B.S., **Ramesh R.**, Ananda K., Mishra C.K. and Swain P., 2017. Present Status of Fish Disease Management in Freshwater Aquaculture in India: State-of-the-Art-Review. *J Aquatic Fisheries*, 1: 003.
- ✚ Mishra S.S., Das R., Das B.K., Choudhary P., **Rathod R.**, Giri B.S., Debbarma J., Sahoo S.N., Barua A., Sahu A., Patil P.K., 2017. Status of Aqua-medicines, Drugs and Chemicals Use in India: A Survey Report. *J Aquatic Fisheries*, 1: 004.
- ✚ **Ramesh, R.**, Kiran Dube, Reddy, A. K., Rangacharyulu, P. V., Venkateshwarlu, G. and Jayasankar, P., 2017. Effect of varying protein levels on growth and digestive enzyme activities of pengba (*Osteobrama belangeri*). *Indian Journal of Fisheries*, 64 (Special Issue): 206-213.
- ✚ **Ramesh, R.**, S.K. Chakraborty and G. Venkateshwarlu, 2016. Seasonal variation in fatty acid profiles of threadfin breams, *Nemipterus mesoprion* (Bleeker, 1853) and *Nemipterus japonicas* (Bloch, 1791) with respect to their size. *Indian Journal of Geo-Marine Sciences*, Vol.45 (5), pp. 696-702.

- ✦ **Ramesh, R.**, Chakraborty, S. K. and Venkateshwarlu, G. 2015. Seasonal Changes in Total Lipid Content and Fatty acid Profiles of Ribbon Fish, *Lepturacanthus savala* (Cuvier, 1829). *Fishery Technology*, 52:95-100.
- ✦ **R. Ramesh**, Kiran dube, A. K. Reddy, P. V. Rangacharyulu and G. Venkateshwarlu. 2014. Effect of enriched *moina* and microparticulate diet on fatty acid composition of pengba (*Osteobrama belangeri*) larvae. *Journal of Environment and Bio-Sciences*, 28(2):293-298.
- ✦ **Rathod Ramesh**, Kiran Dube, Appidi Krishna Reddy, Chandra Prakash, Virendra Kumar Tiwari, Panchangam Venkata Rangacharyulu and Gudipati Venkateshwarlu. 2014. Growth and survival of pengba, *Osteobrama belangeri* (Val.) larvae in response to co-feeding with live feed and micro particulate diet. *Ecology Environment and Conservation*, 20(4):1715-1721.
- ✦ **R. Ramesh**, A. K. Pal, S. K. Chakraborty and G. Venkateshwarlu, 2013. Variation in total lipid content and fatty acid composition in the muscle of Bombayduck *Harpodon nehereus* (Hamilton, 1922) with respect to size and season. *Indian Journal of Fisheries*, 60(1): 111-116.
- ✦ G.Venkateshwarlu, A.P. Muralidhar, **R. Ramesh** and A.K. Pal. 2009. Plants traditionally used in fish harvest & angling: Potential feed attractants in the Aquaculture, *Indian Journal of Traditional Knowledge*, Vol. 8(4): 539-542.

#### **Books/ Book Chapter/ Training Manuals:**

- ✦ **Ramesh Rathod**, Rangacharyulu, P.V. and Seshagiri, B. 2020. Scientific Fish Farming and management practices in freshwater aquaculture (Telugu). Published by ICAR-CIFA, pp.1-54.
- ✦ **Ramesh Rathod**, Rangacharyulu, P.V. and Seshagiri, B. 2019. Species diversification in freshwater aquaculture and management practices (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-62.
- ✦ **Ramesh Rathod**, Rangacharyulu, P.V. and Giri, B.S., 2018. Livelihood opportunities for tribal community through scientific adoption of aquaculture practices in selected districts of Andhra Pradesh and Telangana. In: Mohapatra, B.C., De, H.K., Panda, D., Sahoo, P.K. and Pillai, B.R. (eds.). Aquaculture as a tool for empowering SC/ST farmers of India: Three decades of ICAR-CIFA's Contribution. ICAR-CIFA, Bhubaneswar, pp. 104-108.
- ✦ Mishra, S.S., Rakesh Das, **Ramesh Rathod**, Giri B.S. and Swain P., 2018. Antimicrobials and Chemicals used in Fish Disease Management and possible impact. In: Reaching the unreached: Newer approaches in animal sciences for socio economic upliftment. (eds.) Nagaraja Rao, Ashok Kumar Saxena, Vijay Laxmi Saxena and Kulkarni G.K., Today & Tomorrow's printers and publishers, New Delhi, India. pp. 1-20.
- ✦ Mishra, S.S., Swain, P., Giri, B.S., **Ramesh, R.**, Das R., Das, B.K., Choudhary, P., Sundaray J.K., 2017. Important fish diseases and management practices in freshwater aquaculture

(Telugu). Published by c, Bhubaneswar, pp.1-16.

- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Ornamental fish breeding, culture and management practices (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-32.
- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Aquaculture in Freshwater and Management Practices in Scientific methods (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-28.
- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Aquaculture in Freshwater and Management Practices in Scientific methods (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-28.
- ✦ **Ramesh Rathod** and Rangacharyulu, P. V., 2015. Feeds and Feeding Management Practices in Pangasius culture in India. In: ICAR-CIFA International Training Manual No.7 on Fish Breeding Technology, 29 May to September 2015, pp.182-184.

#### **Technical /Popular articles/Leaflets:**

- ✦ **Ramesh Rathod**, Rangacharyulu, P.V. and Giri, B.S. 2019. Composite fish farming and management practices in freshwater aquaculture (Telugu) under SCSP published by ICAR-CIFA, pp.1-2.
- ✦ **Ramesh Rathod**, Jitendra Kumar Sundaray and I. Sivaraman, 2017. Role of freshwater aquaculture in food security of India. *MPEDA News letter* (Special issue), December 2017, 5(9): 26-41.
- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Carp nursery pond management and seed rearing practices (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-2.
- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Portable FRP Carp hatchery (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-2.
- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Portable FRP Carp hatchery (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-2.
- ✦ **Ramesh Rathod**, P.V. Rangacharyulu and B. Seshagiri, 2016. Carp nursery pond management and seed rearing practices (Telugu). Published by RRC, ICAR-CIFA, Vijayawada under DBT project, pp.1-2.
- ✦ Swain, P., Misra, S.S., Rangacharyulu, P.V., Giri, B.S. and **Ramesh Rathod**, 2015. Applications of Nanotechnology in Aquaculture (Telugu Version) pp 1-2.
- ✦ Rangacharyulu, P.V., and **Ramesh Rathod**, 2015. Feeds and Feeding in Aquaculture, *Aquaculture times*, Volume 1, issue 1, July-August 2015, pp. 39-40.

### **Social Media Profile:**

- ✦ Google Scholar: <https://scholar.google.com/citations?hl=en&user=dbpSM9oAAAAJ>
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- ✦ LinkedIn: <https://www.linkedin.com/in/ramesh-rathod-87718a1b6/>