

Anand PR

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Objective

To obtain a challenging career in which I could utilize my full potential the maximum extent and deliver the best out of it, also with a positive attitude of gaining a handful of experience and knowledge, which could further enrich my career in the future.

Personal Information

Date of Birth : 24th September 1989
Nationality : Indian
Marital Status : Married
Language known : English, Tamil

Research Experience

Organization	Position	Project	Period
Central Institute of Brackishwater Aquaculture, Govt. of India	Senior Research Fellow	Three Tier Cage Culture of Brackishwater Fin Fishes	2017 – Till date
		Climate Change Impact on Aquaculture systems Funded by Indian council of Agricultural Research (NICRA Project)	2014-17
		Appraisal of Evolving <i>Litopenaeus vannamei</i> Culture Systems and Associated production Risks for Development of BMP Funded by National Fisheries Development Board (NFDB)	2012-14

Educational Qualification

- Submitted **PhD** thesis on Sustainable brackishwater aquaculture to the University of Madras (Thesis submitted in December 2019 awaiting for viva-voce examination)
- Masters in **Marine Sciences and Coastal Resource Management** from University of Madras, Chennai, Tamil Nadu, India.
- Bachelor's degree in Plant biotechnology from Loyola College, Chennai, India.

Skills Acquired

- Hands on experience in shrimp and finfish hatchery techniques and grow out culture systems.
- Expertise in ICT based information dissemination methods, development of mobile applications.
- Expertise in cage aquaculture systems and designing & crafting floating cages suitable for brackishwater bodies.
- Conducted feeding trials of Asian seabass (*Lates calcarifer*), Red snapper (*Lutjanus argentimaculatus*), and Rabbit Fish (*Siganus javus*) in cages and microcosm tanks. Familiar with feed formulations, pellet making, and extruder operations.
- Carried out Technical Efficiency of Indian shrimp production systems and Risk assessment in *Penaeus vannamei* shrimp farming in India through the intense farm surveys.
- Research and Extension: Gained expertise in conducting stakeholder workshops, Capacity building programs, extensive field surveys throughout India were undertaken in 30 coastal districts spread across eight coastal states.
- Farming Sustainability Indicators: Worked with the experts group for the development of Sustainability Indicators for the policy development on shrimp farming in India.
- Management skills: Expertise in event management and supervision, purchase, resource management, personnel management.

Trainings attended

- Advanced Training in Aquaculture Nutrition and Feed Technology.
- National Workshop on Resource Mapping for Sustainable Development of Brackishwater Aquaculture.
- Rural Entrepreneurship Development in Fisheries & Aquaculture.
- Crafting Low volume cages and Farming of Brackishwater Fishes in Cages.
- Management of Emerging Diseases of Shrimp with Special Reference to Pacific White Shrimp.
- Brackishwater Aquaculture and Hatchery techniques & Seed Production of fin fishes.
- Intellectual Property Rights.

Achievements / Awards

- Developed and validated the first of its kind technical mobile app “**Vanami Shrimpapp**” for the information dissemination to Aqua farmers. (As on date over 18500 users worldwide), Rated Over 4.5 in Google play store.
- **Best Research Scholar** of ICAR- Central Institute of Brackishwater Aquaculture for the year of 2018.
- **Second Price** in the competition held on “**Research proposals with innovative ideas**” organized by CIBA on the occasion of National Science Day, February 2014.

Presentations & Participation in Workshops and Conferences

- 2019: World Brackishwater Aquaculture Conference held at Chennai organized by Society of Coastal Aquaculture and Fisheries.
- 2017: Indian Science Congress: Animal, Veterinary and Fishery Sciences in the “104th Session of Indian Science Congress Association (ISCA)” January 2017 at Sri Venkateswara University, Tirupati, India.
- 2016: National workshop on “Marketing strategies for newly cultured fishes in India” organized by The Fisheries Technocrats Forum, Chennai.
- 2015: “National workshop on Aquaculture of Seabass – Status and way forward for commercial production at ICAR- Central Institute of Brackish water Aquaculture, Chennai.
- 2014: Silver Jubilee Symposium of the National Academy of Agricultural Sciences held at MS Swaminathan Research Foundation (MSSRF), Chennai
- 2014: First National Tamil Science Conference organized by Tamil Nadu Veterinary and Animal Sciences University (TANUVAS) in collaboration with Agricultural Scientific Tamil Society, New Delhi.
- 2014: International Meet on “Sustainable shrimp Farming, The way forward” at Tamil Nadu Fisheries University, Chennai, Tamil Nadu and India.

Publications and Research Papers

- **Anand.PR**, M Kumaran, J. Ashok Kumar, D.Deboral Vimala and K.K.Vijayan. 2019, Vanami Shrimpapp A Dynamic Mobile Application for Technology Diffusion and Feedback In Shrimp Aquaculture. Abstract presented at World Brackishwater Aquaculture Conference. Chennai.
- **PR. Anand**, M. Kumaran. 2017, Information Seeking Behaviour of Shrimp Farmers and their Perception towards Technology Dissemination through Mobile Phones, *Journal of Extension Education*, 29 (1), 5787-5796 pp.
- **PR. Anand**, M. Kumaran, S. Thirumurthy, M. Jayanthi, J. Syama Dayal, P.Kumararaja and M.Muralidhar. Vulnerability of Shrimp Aquaculture to Climate Change – A Case Study in Karnataka. 2017. Role of Animal Sciences in National Development Vol 1, Chapter 4, 37 – 43. Today and Tomorrow’s Printers and Publishers, ISBN 81-7019-558-2 (India), ISBN 1-55528-413-2 (USA).
- Innovative Approaches and Success Stories of Brackishwater Aquaculture Farmers. 2019. Edited by M. Kumaran, D.Deboral Vimala, M.Muralidhar, Krishna Sukumaran, C V Sairam, **PR. Anand** and K.K.Vijayan. Published by

- M. Kumaran, Sundaram M, Shijo Mathew, **PR. Anand**. 2018. Socio-personal contour, information flow and productivity of brackishwater aquaculture systems - An Appraisal, *Journal of Extension Education*, 30 (3), 6119-6128 pp.
- M. Kumaran, **PR. Anand**, J. Ashok Kumar, T. Ravisankar, Johnson Paul, K. P. Kumaraguru vasagama, D. Deboral Vimala, K. Ananda Raja. 2017. Is Pacific white shrimp (*Penaeus vannamei*) farming in India is technically efficient? — A comprehensive study. *Aquaculture* 468 (2017) 262–270 pp.
- M. Kumaran, T. Ravisankar, **PR. Anand**, D. Deboral Vimala and C. P. Balasubramanian. 2017. Knowledge level of shrimp on better management practices (BMPs) of *Penaeus vannamei* farming: a comparative assessment of east and west coast of India. *Indian J. Fisheries.*, 64(3): 93-99 pp.
- M. Kumaran, P. Ravichandran, M.Muralidhar, K. Ambasankar, Subhendu.K.Otta, A.Panigrahi, D. Deboral Vimala, T. Ravisankar, J. Ashok Kumar, **PR Anand** and Johnson Paul. 2017. “Frequently Asked Questions (FAQs) Pertaining to *Penaeus vannamei* Shrimp Farming” Hindi. 40 p. ISBN 9788193293768.
- M. Kumaran, P. Ravichandran, M.Muralidhar, K. Ambasankar, Subhendu.K.Otta, A.Panigrahi, D. Deboral Vimala, T. Ravisankar, J. Ashok Kumar, **PR Anand** and Johnson Paul. 2017. “Frequently Asked Questions (FAQs) Pertaining to *Penaeus vannamei* Shrimp Farming” Telugu. 40 p. ISBN 9788193293737.
- M. Kumaran, M. Kailasam, KP. Kumaraguruvasagam, P. Ezhil praveena and **PR Anand**. 2016. “valaikoondu Naatrakalil Koduva Meenkunchu Valarppu”(Nursery rearing of Seabass) CIBA Extension guide no: 48, 20 p.
- M. Kumaran, P. Ravichandran, M.Muralidhar, K. Ambasankar, Subhendu.K.Otta, A.Panigrahi, D. Deboral Vimala, T. Ravisankar, J. Ashok Kumar, **PR Anand** and Johnson Paul. 2016. “Frequently Asked Questions (FAQs) Pertaining to *Penaeus vannamei* Shrimp Farming” English. 38 p. ISBN 9788193293713.
- M. Kumaran, P. Ravichandran, M.Muralidhar, K. Ambasankar, Subhendu.K.Otta, A.Panigrahi, D. Deboral Vimala, T. Ravisankar, J. Ashok Kumar, **PR Anand** and Johnson Paul. 2016. “Frequently Asked Questions (FAQs) Pertaining to *Litopenaeus vannamei* Shrimp Farming” Tamil. 40 p. ISBN 9788193293720.
- M. Kumaran and **PR. Anand**, 2016. Entrepreneurship Motivation of Fisheries Graduates: An Exploratory Study. *Journal of Extension Education*, Vol. 28 No. 1, 5579-5587 pp.

- Mariappan Kumaran, Jangam Ashok Kumar, **Periyakaruppan Anand** and Johnson Paul. 2015. Training Needs of Extension Personnel in Pacific White Shrimp (*Litopenaeus vannamei*) Farming, *Fishery Technology* 52 (2015), 265 – 270 pp.
- M.Kumaran and **PR.Anand**. 2015. “Vannamei iral valarppilulla aabathukalum melanmei muraigalum”, In Thanitamilil Meenvalaviyal, First National Tamil Science Conference, 86-92 pp.
- M. Kumaran, P. Ravichandran, K. Ambasankar, R. Saraswathy, P. Ezhil Praveena, T. Ravisankar, D. Deboral Vimala, J. Ashok Kumar, **PR Anand** and Johnson Paul. 2013. “Vannamei iral valarppu melanmei”. CIBA Special Publication No.68, 20p.

Computer proficiencies

- Advanced knowledge of Microsoft ® Windows environments, and Office package (Word, Excel, PowerPoint, FrontPage and Outlook).
- Statistical Programs: Advanced knowledge of SPSS for windows.
- Android Application development using android studio with SQL lite database.

References

1. Dr. M. Kumaran - Guide & Supervisor
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2. Dr. P. Ravichandran
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Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Chennai
Date: 3 February 2020



(Anand PR)