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Name : RANI PALANISWAMY
Designation : PRINCIPAL SCIENTIST
Academic Background : MSc; PhD
Discipline : Fishery science
Total Research Experience(year) : 28 years
Research Focus : Fish production enhancement
Current area of Research : Reservoir fisheries
Academic contributions :
Awards & Recognitions : Senior Research Fellow (ICAR)
No. of Publications : 12
National :
International :



List of Important 10 (ten) publications :

- **Rani Palaniswamy** and S.Ahmed Ali, 1991, The impact of particle size of ingredients in compounded diets on pellet stability and performance in *Penaeus indicus* .H.Milne Edwards, ***Aquaculture in the tropics***.6:119-127.
- **Rani Palaniswamy** and S.M.Sathakkathullah, Holding and spawning of the Edible oyster *Crassostrea madrasensis* during off- season. MFIS No 118.13
- **Rani Palaniswamy** and RajaPandian,M.E., 1997, On the microalgal species as feed for conditioning adult oyster *Crassostrea madrasensis*. ***Journal of the Marine Biological Association of India***.
- **Rani Palaniswamy** and P.Muthiah, Effect of salinity, silt load and productivity on growth of juvenile oyster *Crassostrea madrasensis*. ***Indian Journal of Fisheries*** **41(3):51-53**
- **Rani Palaniswamy**, Manoharan.S and P.K.Krishnakumar, 2009, Influence of phosphorus on the phytoplankton diversity in a shallow eutrophic reservoir. ***Asian Fisheries science***, 22 (2009) : 505-510

- **Rani Palaniswamy**, Murugesan, V.K. and Manoharan, S., 2006, Limnology and Fisheries of an Upland reservoir in Nilgiris. **J. Inland Fish. Soc. India**, 38(1): 49-53.
- Manoharan, S. Murugesan, V.K., & **Rani Palaniswamy**, 2006, Numerical abundance of Benthic macro invertebrates in selected reservoirs of Tamil Nadu. **J. Inland Fish. Soc. India**, 38(1): 54-59.
- V.K. Murugesan, **Rani Palaniswamy** and S. Manoharan, 2003, Productivity of reservoirs in Tamil Nadu with reference to their plankton population. **J. Inland Fish. Soc. India**, 35(2): 50-56.
- **Rani Palaniswamy**, Murugesan, V.K. and Manoharan, S., 2002, Soil and Water Nutrients in Tamil Nadu reservoirs. **J. Inland Fish. Soc. India**, 32(2): 68-75.
- Murugesan, V.K., **Rani Palaniswamy** and Manoharan, S., 2003, The influence of water quality on the productivity of reservoirs in Tamil Nadu. **In: Fisheries Enhancements in Inland Waters- Challenges ahead. Proceedings of the National Symposium on Inland Fisheries, April 27-28. Special publication. Inland Fisheries Society of India**, Barrackpore, 2003:33-37.
- Murugesan, V.K., **Rani Palaniswamy** and Manoharan, S., 2003, Fish production potential, actual yield and scope for enhancement of four medium reservoirs in Tamil Nadu. **In: Fisheries Enhancements in Inland Waters- Challenges ahead. Proceedings of the National Symposium on Inland Fisheries, April 27-28. Special publication. Inland Fisheries Society of India**, Barrackpore, 2003:191-198
- **Rani Palaniswamy**, 2002, Changes in selected Hematological Parameters in *Cyprinus carpio* var. communis subjected to Aluminium Toxicity. In: **The Fifth Indian Fisheries Forum Proceedings** Published by AFSIB, Mangalore and AoA, Bhubaneswar, India.
- **Rani Palaniswamy**, 2002, Effect of Aluminium Toxicity on Ion and Acid-Base Regulation in *Cyprinus carpio* var. communis. In: **The Fifth Indian Fisheries Forum Proceedings** Published by AFSIB, Mangalore and AoA, Bhubaneswar, India.
- **Rani Palaniswamy**, 2004, Aluminium toxicity on phosphatase enzymes in *Cyprinus carpio* var. communis in **New Horizon of Animal Sciences**. Published by Zoological Society of India. 521-529pp
- Murugesan, V.K, Manoharan, S and **Rani Palaniswamy**, 2005, Pen Fish Culture in Reservoirs – an Alternative to Land Based Nurseries. **NAGA**, World Fish Center Newsletter Vol.28 No.1 & 2 Jan-Jun.
- **Rani Palaniswamy** and Manoharan. S and J. Geethalakshmi., 2011, Assessment of population parameters of Indian major carps and common carp in a culture based reservoir. **Indian J. Fish.**, 58(2): 41-44.
- **Rani Palaniswamy**, Manoharan, S and Usha Unnithan, 2012, Biology of the Cyprinid, *Puntius filamentosus* (Valenciennes) from Kanhirapuzha reservoir, Kerala. **J. Inland Fish. Soc. India**, 44(2): 28-34

Other Publications :

- **Rani Palaniswamy**, 1992, Oyster recipes, Molluscan culture network, Dalhousie University, Halifax, Canada

- **Rani Palaniswamy and S. Manoharan, 2010, Mettur Reservoir Fisheries. Past and Present status. *Fishing Chimes*. Vol.30.No1:132-135.**

Newsletters :

- Report on investigations in reservoirs of Tamil Nadu was published in CIFRI newsletter **The Inland Fisheries News Vol.6 No.1**, Jan-June , 2011
- Report on the pen culture activity of the center was published in the CIFRI newsletter **The Inland Fisheries News Vol.7, No.2**, July-December,2002

Technical Bulletins :

- ❖ K.Satyanarayana Rao, M.E.Rajapandian, P.Muthiah, **Rani Palaniswamy**, K.Ramadosh and C.P.Gopinathan, 1993, The Indian Edible oyster. Technology of seed production and farming. CMFRI, Cochin.
- ❖ D.N. Singh, V.K. Murugesan, A.K. Das, D.S. Krishna Rao, **Rani Palaniswamy** and S. Manoharan., 2003, River Cauvery – Environment and Fishery, **Bull. Centr. Inland Fish. Res. Inst.**, Barrackpore. No.119.
- ❖ V.K. Murugesan, **Rani Palaniswamy** and S. Manoharan., 2003, Ecology and Fisheries of selected reservoirs in Tamil Nadu, **Bull. Centr. Inland Fish Res. Inst.**, Barrackpore. No.117.

Papers in Training manual :

1. Fisheries management in small reservoirs-case studies
2. Prospects of pen culture in CIFRI, Bangalore-89

Pamphlets :

1. **Rani Palaniswamy** and S. Manoharan, 2005, Grow more fish in Inland Water Bodies in regional language – Tamil.
2. **Rani Palaniswamy**, S.Manoharan and Usha Unnithan, 2010, Grow more fish in Inland water bodies in regional language -Malayalam

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