

## **BIODATA**

a) Name and Designation	Dr.M.R.Raghunath, Principal Scientist
b) Brief Biodata	
(i) Address	Regional Research Center of C.I.F.A., Hessarghatta lake PO, Bangalore- 560 019 Tel: 080-28479891, 9448190395. E-mail : HYPERLINK "mailto:raghunathmr@rediffmail.com" <a href="mailto:raghunathmr@rediffmail.com">raghunathmr@rediffmail.com</a>  Present: No.188, 11 Main, 4 Cross, Hanumantnagar, Bangalore-560019  M:9448190395
(ii) Date of birth	16.05.1955
(iii) Academic	

Degree	Year	Institution	Specialization
B.Sc.(Agriculture)	1974	University of Agricultural Sciences, Habbal, Bangalore	Soil Science and Agricultural Microbiology
M.Sc. (Food technology)	1976	Central Food Technological Research Institute, Mysore, University of Mysore	Fish and Fish products, Fruits and Vegetable Technology
Ph.D.	1988	Interdisciplinary food science, University of Saskatchewan, Saskatoon, Canada	Fish Silage and Plastein Reaction

#### iv) Research Interests

Digestive and Tissue proteinases in fish and shellfish  
Functional properties of fish proteins  
Intensive larval rearing techniques and RAS  
Preservation of fish products with Hurdle technology

#### v) Career

1976-1978	Agricultural Officer, Vijaya Bank Ltd., Bangalore
1978-1999	Scientist/Senior Scientist, Central Institute of Fisheries Technology, at Veraval, Gujarat and Cochin, Kerala
1999-May 2017	Principal Scientist, Central Institute of Freshwater Aquaculture, Bangalore

vi) Partial List of Publications

Sl no	Name(s) of authors	Year	Title of paper	Name of journal, <b>volume</b> : page nos
1	M.R.Raghunath	1984	Soluble Nitrogen Losses in Squids ( <i>Loligo duvauceli</i> ) during storage in slush Ice	J.Food Sci.Technol. <b>21:50-52</b>
2	M.R.Raghunath	1986	A new procedure for canning of squids	Fishery Technology <b>23:199-203</b>
3	Anil Agarwal, M.R.Raghunath and K.K.Solanki	1986	Composite fish mince from dhoma and Lactarius	Fishery Technology <b>23:129-133</b>
5	M.R.Raghunath and A.R.McCurdy	1987	Autolysis resistant sediment in Fish silage	Biological Wastes <b>20:227-239</b>
6	M.R.Raghunath and A.R.McCurdy	1990	The influence of pH on the proteinase complement and proteolytic products in rainbow trout viscera silage	Journal of Agricultural and Food Chemistry <b>38:45-50</b>
7	M.R.Raghunath and A.R.McCurdy	1991	Synthesis of plasteins from fish silage	Journal of Science of Food and Agriculture <b>54:655-658</b>
8	M.R.Raghunath	1993	Enzymatic protein hydrolyzate from tuna canning wastes: Standardization of hydrolysis parameters	Fishery Technology <b>30:40-45</b>
9	M.R.Raghunath	1994	The activity and stability of digestive proteinases of nine species of marine fish	Nutrients and Bioactive substances in aquatic organisms (K.Devadasan et al. Eds), SOFT(I) p112-118

10	T.V. Sankar and M.R.Raghunath	1995	Effect of pre-freezing iced storage on lipid fractions of <i>Ariomma indica</i> during frozen storage.	Fishery Technology. 32: 88-92
11	Raghunath, M.R., Sankar, T.V., Ammu, K and Devadasan, K.	1995	Biochemical and Nutritional changes in Fish Proteins during drying	J.Sci.Food Agric. <b>67</b> :197-204
12	K.Jayan, Leema Jose, M.R.Raghunath and K.Devadasan	1995	Tamarind fruit shell inhibits autolysis in Mackerel and squid muscle	National Symposium on Techno-logical Advancements in Fisheries and its impact on rural development. Pp342-345,57 Dec.1995. Cochin
13	Suseel Mathew and M.R.Raghunath	1996	Leaching of protein and other nitrogenous compounds during brine curing of Mackerel	Fishery Technology <b>33</b> :69-71
14	M.R.Raghunath, T.V.Sankar and P.G.V.Nair	1998	Functional properties of proteins of marine fish	In: Advances and priorities in Fishery technology (Balachandran, K.K. et al Eds.) p341-344. society of Fisheries Technologists, Cochin
15	M.R.Raghunath and P.G.V.Nair	1998	Edible protein films from fish myofibrillar proteins	In: Advances and priorities in Fishery technology (Balachandran, K.K. et al Eds.) p267-269. Society of Fisheries Technologists, Cochin

16	Leema Jose and M.R.Raghunath	1998	Tissue proteinase activity in structural proteins of mackerel	In Advances and Priorities in Fisheries Technology. Balachandran et al (Eds). Pp302-306. SOFT(I), p341-344
17	Suseela Mathew, M.R.Raghunath and K.Devadasan	1999	Distribution of Non-Protein nitrogen extractives in the muscle of Indian Fish	Fiishery Technology <b>36</b> (1):1-7
18	M.R.Raghunath Sankar T.V., Radhakrishnan A.G., Suseela Mathew, Ammu K., Ravishankar C.N., Jayan K., Leema Jose	2000	Biochemical Invetigations on antarctic krill <i>Euphausia superba</i>	Fishery Technology 37(1):17-24.
19	Leema Jose,P.S. Nair, & M.R. Raghunath	1998	Changes in tissue proteinase activity of Indian Mackerel against curing in brine and salt.	Fish Utilization in Asia and Pacific.Proc.APF IC symposium,Beijing PRC24-26(149-155).1998 RAP publication
20	T.V.Sankar, K.Ammu, M.R.Raghunath and K.Devadasan	1998	Repeated use of oil for frying of fish: physical and chemical changes in oil and fish	In advances and Priorities in fisheries technology Balachandran et al (eds) pp354-357. Society of Fisheries Technologists(I), cochin, India
21	K.Ammu, M.R.Raghunath, T.V.Sankar, K.V.Lalitha and K.Devadasan	2000	Repeated use of oil for frying fish. Effects of feeing the fried fish to rats	Nahrung <b>44</b> (5): 368-372

21	K.Ammu, M.R.Raghunath, T.V.Sankar, K.V.Lalitha and K.Devadasan	2000	Repeated use of oil for frying fish. Effects of feeding the fried fish to rats	Nahrung <b>44</b> (5): 368-372
19	Leema Jose,P.S. Nair, & M.R. Raghunath	2002	Changes in tissue proteinase activity of Indian Mackerel against curing in brine and salt.	Fishery Technology 39(1)
22	M.R.Raghunath and K.Gopakumar	2002	Trends in production and utilization of fish silage	J.Food Sci.Technol. <b>39</b> (2):103-110
23	Raghunath M.R., Hemaprasanth, Sridhar, N, Chitra, C.P., Ganesh, K.	2007	Simulated live transportation of fishes in tanks under light and dark conditions	Fishery Technology, <b>44</b> (2):187-192
24	Chitra, C.P., Ganesh, K., Vasudev, V., Sridhar, N. Hemaprasanth, and Raghunath, M.R.	2008	Efficacy of sanitizers on the shelf life of Rohu steaks stored at two refrigeration temperatures	Fishery Technology <b>45</b> (2):197-208
25	K.P. Hemaprasanth, A. Raghavendra, Ravinder Singh, N. Sridhar, M.R. Raghunath	2008	Efficacy of doramectin against natural and experimental infections of <i>Lernaea cyprinacea</i> in carps	<i>Veterinary Parasitology</i> <b>156</b> :261–269
26	Hemaprasanth, Ravinder Singh, A. Raghavendra, N. Sridhar, M.R. Raghunath and A.E. Eknath	2010	Comparative susceptibility of carp fingerlings to <i>Lernaea cyperinacea</i> infection	<i>Veterinary Parasitology</i> <b>178</b> (1-2) : 156-162
27	Sridhar,N. Hemaprasanth, Manpal Sridhar, and M.R.Raghunath	2010	Nutritional efficacy of <i>Spirulina platensis</i> in enhancing growth and survival in the peninsular carp fry <i>Labeo fimbriatus</i>	<i>Indian Journal of Animal Nutrition</i> <b>27</b> (3):314-321
28	A. Narasimha Reddy, M. R. Raghunath, S. Pradeep Kumar and Y. Basavaraju	2010	Production and evaluation of an intergeneric hybrid between Peninsular carp Fimbriatus ( <i>Labeo fimbriatus</i> ) and Common carp ( <i>Cyprinus carpio</i> )	<i>Current Biotica</i> <b>4</b> (1):1-9

---

29	J. P.Kushwaha, N. Sridhar, Umalatha, V. Kumar, K.P. Hema Prasanth , M.R.Raghunath and A.E. Eknath	2012	Partial Purification and Characterization of Amylases from the Digestive tract of the Indian Medium Carp <i>Labeo fimbriatus</i> (Bloch, 1797)	<i>The Israeli Journal of Aquaculture - Bamidgheh, IJA_64..686</i>
30	A.Raghavendra, K.P.Hemaprasanth, Ravinder Singh, N.Sridhar, Vadlapudi Kumar and M.R.Raghunath	2012	Biochemical variations in <i>Labeo fimbriatus</i> infected with <i>Lernaea cyprinacea</i>	<i>Indian Vet. J. 89(8):137-139</i>
31	Gangadhar B., Sridhar N., Saurabh S., Raghavendra C.H., Hemaprasanth K.P., Raghunath M.R., Jayasankar P.	2014	Growth Response of <i>Cirrhinus mrigala</i> Fry to Azolla ( <i>Azolla pinnata</i> ) - incorporated Diets	<i>Fishery Technol. 51(3)</i>
32	M R Raghunath, H Umalatha, N Sridhar, K Hemaprasanth, B Gangadhar, P Jayasankar	2015	Spoilage Indices in Chill-Stored Rohu Steaks Extracted with Different Concentrations of Trichloroacetic Aci	<i>Fishery Technol. 52(1)</i>