



1. **Name** : Dr. GANAPATHI NAIK, M
2. **Designation and Address** : Professor and Head
Department of Aquaculture
College of Fisheries
Mangalore-575002

3. Academic Qualification

Examination /Degree	Year	Subject	University	Class/ Division/Grade /CGPA
B.F.Sc	October 1993	Fisheries Science	University of Agricultural Sciences, Bangalore	Ist Class (2.99/4.00)
M.F.Sc	July 1997	Fish Production and Management	University of Agricultural Sciences, Bangalore	Ist Class (8.64/10.00)
National Eligibility Test(NET)	December 2002	Fish and Fishery Science	Agricultural Scientists Recruitment Board(ICAR), New Delhi	Qualified
Ph.D	July 2010	Bioscience	Mangalore University	Awarded
Ph.D	March 2013	Fisheries Environment and Ecology	Karnataka Veterinary, Animal and Fisheries Sciences University(KVAFSU), Bidar	Ist Class with Distinction (9.14/10.0)

4. Teaching

i) Bachelor level:

Course title	Year & Class	Course No.	Cr.Hrs.	Semester	Independently or Jointly with
Academic Year: 2012-2013					
Meteorology and Geography	I B.F.Sc	AEE 101	1+1	I	Independently
Fisheries Oceanography	Post Final B.F.Sc	AEE 204	2+1	I	Independently
Culture of Fish Food Organisms	II B.F.Sc	AQC 204	1+1	II	Independently
Academic Year: 2013-2014					
Fisheries Oceanography	Post Final B.F.Sc	AEE 204	2+1	I	Independently
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Academic Year: 2014-2015					
Ornamental Fish and Management	III B.F.Sc	AQC 301	1+1	I	Independently
Ornamental Fish Production	IV B.F.Sc	AQC 401-III	0+5	I	Independently
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Academic Year: 2015-2016					
Ornamental Fish and Management	III B.F.Sc	AQC 301	1+1	I	Independently
Ornamental Fish Production	IV B.F.Sc	AQC 401-III	0+4	I	Independently
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Academic Year: 2016-2017					
Ornamental Fish and Management	III B.F.Sc	AQC 301	1+1	I	Independently
Ornamental Fish Production	IV B.F.Sc	AQC 401-III	0+3	I	Independently
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently

Academic Year: 2017-2018					
Ornamental Fish Production and Management	II B.F.Sc	AQC 202	1+1	I	Independently
Ornamental Fish Production and Management	III B.F.Sc	AQC 301	1+1	I	Independently
Ornamental Fish Production	IV B.F.Sc	AQC 401-III	0+3	I	Independently
Seed Production of Carps and Freshwater Prawn	IV B.F.Sc	AQC 401-I	0+4	I	Jointly
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Academic Year: 2018-2019					
Ornamental Fish Production and Management	II B.F.Sc	AQC 202	1+1	I	Independently
Ornamental Fish Production	IV B.F.Sc	AQC 401-III	0+3	I	Independently
Seed Production of Carps and Freshwater Prawn	IV B.F.Sc	AQC 401-I	0+4	I	Jointly
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Academic Year: 2019-2020					
Ornamental Fish Production and Management	II B.F.Sc	AQC 202	1+1	I	Independently
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Academic Year: 2020-2021					
Ornamental Fish Production and Management	II B.F.Sc	AQC 202	1+1	I	Independently
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Independently
Ornamental Fish Seed Production of Liver Bearers, Egg Layers and High Value Ornamental Fishes.	IV B.F.Sc	SRP-AQC 403-I	0+4	II	Independently
Project Work	IV B.F.Sc	PW-AQC-401	0+2	II	Independently
Academic Year: 2021-2022					
Ornamental Fish Production and Management	II B.F.Sc	AQC 202	1+1	I	Jointly
Freshwater Aquaculture	I B.F.Sc	AQC 102	2+1	II	Jointly
Ornamental Fish Seed Production of Liver Bearers, Egg Layers and High Value Ornamental Fishes	IV B.F.Sc	SRP-AQC 403-I	0+4	II	Jointly
Project Work	IV B.F.Sc	PW-AQC-401	0+2	II	Jointly

ii) **Master level:**

Course title	Year & Class	Course No.	Cr.hr	Semester	Independently or Jointly with
Academic Year: 2012-13					
Disaster Management	Jr.M.F.Sc	PGS 506	1+0	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2013-14					
Disaster Management	Jr.M.F.Sc & I Ph.D	PGS 506	1+0	I	Independently
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2014-15					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2015-16					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2016-17					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2017-18					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2018-19					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2019-20					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently

Academic Year: 2020-21					
Soil and Water Quality Management in Aquaculture	Jr.M.F.Sc	AQC 502	2+1	I	Independently
Costal Aquaculture	Jr.M.F.Sc	AQC 509	2+1	II	Independently
Academic Year: 2021-22					
Freshwater Aquaculture Production Systems	Jr. M.F.Sc	AQC 501	2+1	I	Independently
Coastal Aquaculture and Mariculture Farming	Jr. M.F.Sc	AQC 502	2+1	I	Jointly
Hatchery Technology for Finfishes and Shellfishes	Jr. M.F.Sc	AQC 503	2+1	I	Jointly
Aquaculture Policy and Planning	Jr. M.F.Sc	AQC 504	1+1	I	Jointly
Larval Nutrition and Live Feed Production	Jr. M.F.Sc	AQC 508	1+1	I	Jointly
Commercial Ornamental Fish Breeding and Culture	Jr. M.F.Sc	AQC 511	1+1	I	Jointly
Fish Nutrition and Feed Technology	Jr. M.F.Sc	AQC 505	2+1	II	Jointly
Soil and Water Quality Management in Aquaculture	Jr. M.F.Sc	AQC 506	2+1	II	Independently
Therapeutics and Health Management in Aquaculture	Jr. M.F.Sc	AQC 507	2+1	II	Jointly
Inland Saline Aquaculture	Jr. M.F.Sc	AQC 513	1+1	II	Jointly
Recirculating Aquaculture Systems	Jr. M.F.Sc	AQC 516	1+1	II	Jointly

iii) **Ph.D. level:**

Course title	Year & Class	Course No.	Cr.hr	Semester	Independently or jointly with
Academic Year: 2015-16					
Aquaculture and Ecosystem Management	I Ph.D	AQC 603	2+1	II	Independently
Academic Year: 2016-17					
Aquaculture and Ecosystem Management	I Ph.D	AQC 603	2+1	II	Independently
Academic Year: 2017-18					
Aquaculture and Ecosystem Management	I Ph.D	AQC 603	2+1	II	Independently

Academic Year: 2018-19					
Aquaculture and Ecosystem Management	I Ph.D	AQC 603	2+1	II	Independently
Academic Year: 2019-20					
Aquaculture and Ecosystem Management	I Ph.D	AQC 603	2+1	II	Independently
Academic Year: 2020-21					
Aquaculture and Ecosystem Management	I Ph.D	AQC 603	2+1	II	Independently
Academic Year: 2021-22					
Hi-tech Aquaculture Production Systems	I Ph.D	AQC 601	2+1	I	Independently
Seed Production and Hatchery Management	I Ph.D	AQC 602	2+1	I	Jointly
Feed Management in Aquaculture	I Ph.D	AQC 605	1+1	I	Jointly
Automation in Aquaculture Systems	I Ph.D	AQC 607	1+1	I	Independently
Aquaculture Ecosystem Management and Climate	I Ph.D	AQC 603	2+1	II	Independently
Finfish and Shellfish Physiology and Endocrinology	I Ph.D	AQC 604	2+1	II	Jointly
Applied Biotechnology in Aquaculture	I Ph.D	AQC 606	1+1	II	Jointly
Aquaculture Medicine	I Ph.D	AQC 608	1+1	II	Jointly

5. Research projects (completed and ongoing)

Sl. No	Title	Funding agency	Budget	Year of Start	Year of completion	As PI /Co-PI
1.	Evaluation of biofilm on different substrates in shrimp ponds	KVAFSU, Bidar	0.5lakhs	2011	2012	As PI
2.	Evaluation of biofilm on different substrates in shrimp ponds	KVAFSU, Bidar	0.5lakhs	2012	2013	As PI

3.	Assessment of status of riverine fisheries and with water quality restoration- Tungabhadra river, Karnataka	Karnataka State Pollution Control Board, Bangalore	Rs.25,00,000.00	2009	2012	As Co-PI
4.	Evaluation of Mangala Setright and Mangala Borosan on water quality and fish production	Mangalore Chemicals and Fertilizers	Rs.5,00,000.00	2016	2018	As PI
5.	National surveillance programme for freshwater fish diseases	National Bureau of Fish Genetic Resources, Lucknow	Rs.10,00,000/year	2016	Till date	As Co-PI
6.	Effect of dietary ashwagandha and green tea on Nile tilapia and common carp in terms of growth, survival, disease resistance and hematology	SCSP/TSP Grant	1,00,000.00	2017	2018	As PI
7.	Effect of dietary rosemary and bay laurel on growth, survival, disease resistance and hematology of Indian major carp, rohu	SCSP/TSP Grant	1,00,000.00	2018	2019	As PI
8.	Scientific valuation of herbal products on fish, shrimp and prawn	Indian Herbs Specialties' Pvt.Ltd., Chandigarh	12,00,000.00	2019	2020	As PI
9.	Modernization of Research and Instructional Fish Farm for New Aquaculture Technologies.	RKVY, Govt. of Karnataka	7.97 Crore	2020	2024	As Principal Investigator
10.	Advanced Biotech Innovation Centre- Aquamarine	K-Tech, Govt. of Karnataka	6.0 Crore	2022	2024	As Mentor

6. Extension

6.1. Research Publications

Sl. No.	Authors	Title of the publication	Year	Volume and page numbers
1.	Ganapathi Naik, M., Gangadhara Gowda and Iqlas Ahmed	Transplantation of native oysters to enhance population abundance in Mulky estuary, south west coast of India	2013	<i>International Journal of Recent Scientific Research.</i> Vol.4, No.4, pp.392-397
2.	Ganapathi Naik, M and Gangadhara Gowda	Assessment of rate of oyster spat fall in a tropical estuary, southwest coast of India	2013	<i>International Journal of Current Research.</i> Vol. 5, No.3, pp.728-733.
3.	Ganapathi Naik, M and Gangadhara Gowda	Oyster bed associated fauna of a tropical estuary, south west coast of India	2013	<i>International Journal of Recent Scientific Research</i> Vol. 4, No.4, pp.432-438.
4.	Ganapathi Naik, M and Gangadhara Gowda	Survey of oyster beds of Mulky estuary, south-west coast of India	2013	<i>J. Acad.Indus. Res.</i> Vol. 1(10), pp. 601-605
5.	Ganapathi Naik, M and Gangadhara Gowda	Assemblages of macrobenthos with transplanted oysters in Mulky estuary, west coast of India	2013	<i>International Journal of Current Research.</i> Vol.5, No.5, pp.1131-1137
6.	Ganapathi Naik, M and Gangadhara Gowda	Influence of environmental factors on oysters: A review	2013	<i>International Journal of Advanced Scientific and Technical Research.</i> Vol.2, No.3, pp 341-354

7.	Ganapathi Naik, M and Gangadhara Gowda	Transplantation of edible oysters: A review	2015	<i>Journal of Chemical, Biological and Physical Sciences.</i> Vol.5, No. 3, pp. 2830-2833
8.	Ganapathi Naik, M and Gangadhara Gowda	Biological aspects of edible oysters: A Review	2015	<i>International Journal of Innovative Research in Science, Engineering and Technology.</i> Vol.4, No.6, pp.4245-4252.
9.	Ganapathi Naik, M and Gangadhara Gowda	Assessment of rate of oyster spat fall: A review	2015	<i>International Journal of Advanced Scientific and Technical Research.</i> Vol. 3, No.5, pp.342-351.
10.	Ganapathi Naik, M and Gangadhara Gowda	Survey of oyster beds: A review	2015	<i>International of Journal of Current Research.</i> Vol.7, No.04, pp. 14322-14326.
11.	Gangadhara Gowda , Ganapathi Naik, M. , S.Rai, H.Nayak and	Fish biodiversity of Tunga, Bhadra and Tungabhadra rivers of Karnatka, India	2015	<i>Research Journal of Animal, Veterinary and Fishery Sciences.</i> Vol.3, No.10, pp.1-6.

	Sruthishree			
12.	S. V. Surendranath, K. M. Nesara, K. Rakesh, K. R. Amogha, and M. Ganapathi Naik	Evaluation of efficacy of platy (<i>Xiphophorus maculatus</i>) as larvivorous fish to control mosquito larvae	2018	<i>International Journal of Pure and Applied Biosciences. Vol 6(2): 57-64.</i>
13.	Rakesh, K., Ganapathi Naik, M. , Nevil Pinto, Padala Dharmakar, Manjulesh Pai and Anjusha, K.V	A review on drugs used in shrimp aquaculture	2018	<i>International Journal of Pure and Applied Biosciences. Vol 6(4):77-86.</i>
14.	Dharmakar Padala, Ganapathi Naik M , Anjusha KV, Ramesh KS, Abhiman PB and Rakesh K	Growth promoter effect of peppermint (<i>Mentha piperita</i>) on rohu (<i>Labeo rohita</i>)	2018	<i>International Journal of Fisheries and Aquatic Studies. Vol 6(4):537-539.</i>
15.	Anand Prasad, P., H.Shivanada Murthy, D.Ravindra Kumar Reddy, M. Ganapathi Naik , Gangadhara Gowda, K.Mansingh Naik, O.Sudhakar and Ramana, T.V	Effect of biofloc on water quality parameters in rohu, <i>Labeo rohita</i> (Hamilton) culture tanks.	2018	<i>Int.J.Curr.Microbio l.App.Sci.7(08):3167-3173.</i>
16.	Anand Prasad, P., H.Shivanada Murthy, D.Ravindra Kumar Reddy, M. Ganapathi Naik , Gangadhara Gowda, K.Mansingh Naik, A.Chandra Sekhara Rao and T.V. Ramana	Hematological responses in rohu, <i>Labeo rohita</i> (Hamilton) after infecting with <i>Aeromonas hydrophila</i> in biofloc systems	2018	<i>Int.J.Curr.Microbio l.App.Sci.7(12):1150-1153.</i>

17.	Anand Prasad, P., H.Shivanada Murthy, D.Ravindra Kumar Reddy, M. Ganapathi Naik , Gangadhara Gowda, K.Mansingh Naik, Ramana, T.V and Akshaya Panigrahi	Histopathology of rohu, <i>Labeo rohita</i> (Hamilton) after infecting with <i>Aeromonas hydrophila</i>	2019	<i>International Journal of Zoology and Applied Biosciences.</i> 4(6):269-274
18.	Mamun, M.A.A., Nasren, S., Abhiman, P.B., Rathore, S.S., Ganapathi Naik, M. Sowndarya, N.S.,Ramesh, K.S. and Shankar, K.M.	Investigation of production, formation and characterization of biofilm cells of <i>Aeromonas hydrophila</i> for oral vaccination of fish	2019	<i>J. Exp. Zool. India.</i> Vol. 22, No. 2, pp. 1115-1123
19.	Rakesh, K., Ganapathi Naik, M, Nevil Pinto, K.M.Shankar, B.T.Naveen Kumar, Satish Rama Poojary and P.B.Abhiman	Evaluation of efficacy of oxolinic acid against <i>Vibrio parahaemolyticus</i> in Pacific white shrimp, <i>Litopenaeus vannamei</i>	2020	<i>J.Exp.Zool.India,</i> Vol.23, No.23, No.2, pp.1783- 1785
20.	Anchal Chandravanshi, Ganapathi Naik M., Prashant Chandravanshi, S. S. Rathore, Kuldeep Jaiswal, Devendra Sahu and Naresh Raj Keer	Effect of green tea (<i>Camellia sinensis</i>) on growth and survival of common carp (<i>Cyprinus carpio</i>)	2020	<i>J. Exp. Zool. India</i> Vol. 23, No. 2, pp. 1265-1268
21.	Anchal Chandravanshi, M. Ganapathi Naik, Prashant Chandravanshi, S. S. Rathore, Kuldeep Jaiswal, Devendra Sahu and Naresh Raj Keer	<i>Camellia sinensis</i> (green tea) as feed additive enhanced immune response and disease resistance of <i>Cyprinus carpio</i> (common carp) against <i>Aeromonas hydrophila</i> infection	2020	<i>J. Exp. Zool. India</i> Vol. 23, No. 2, pp. 1383-1390

22.	Mohan Maloth, Varadaraju S, Jayaraj E G, Ganapathi Naik, M , Shasidhar H Badami and Jaya Naik	Designing and fabrication of different types of aerators in commercial aquaculture	2020	<i>Journal of Entamology and Zoology Studies.</i> 8(1):1268-1278
23.	Dharmakar Padala, Ganapathi Naik Marakini , Anjusha Kokkam Valappil, Prabhash Lal Prabhakaran, Mamun Muhammad Abdullah Al and Ramesh Kavalgiriyanahalli Srinivasiah	Effect of dietary peppermint (<i>Mentha piperita</i>) on growth, survival, disease resistance and haematology on fingerlings of rohu(<i>Labeo rohita</i>)	2021	<i>Aquaculture Research</i> , 52(3):1-9.
24.	K.R.Amogha, M. Ganapathi Naik , S.R.Somashekara, D.Shivani Gowda and H.S. Praveen joshi	Synergistic effect of probiotic, prebiotic and yeast on water quality, growth performance and survival of Amur common carp(<i>Cyprinus carpio</i> Haematopterus)	2022	<i>J. Exp. Zool. India</i> Vol. 25, No.1 , pp. 1173-1183
25.	Jayashri Mahadev Swamy, M. Ganapathi Naik , K.H.Srinivasa, K.S Monica, K. Rakesh and Detty Nebu	Effect of dietary ajwain(<i>Trachyspermum ammi</i>) on growth performance, whole body composition and water quality parameters in Nile tilapia(<i>Oreochromis niloticus</i>) culture	2022	<i>J. Exp. Zool. India</i> 25, 2631-2638
26.	Jayashri Mahadev Swamy and Ganapathi Naik M	Role of antioxidant enzymes in fish	2022	<i>Journal of the Kalash Science.</i> 10(2): 13-14
27.	K.H Srinivasa, M. Ganapathi Naik , M.S Jayashri, K.H Kushala, K.S Dharshan, S.B Dheeraj M S, Nithin, S	Probiotic potential of <i>Lactobacillus rhamnosus</i> (ATCC 53103), <i>Bacillus subtilis</i> (ATCC 11774) and <i>Sacchomyces cerevisiae</i> (PS 42571-1) with antagonistic activity, safety and	2023	<i>J. Exp. Zool. India</i> 26, 957-965

	K Girisha and Suresh T	pathogenicity assessment on <i>Pangasianodon hypophthalmus</i>		
28.	Jayashri Mahadev Swamy, M. Ganapathi Naik , Detty Nebu, K S Monica and Abhiman Ballyaya	Effects of dietary ajwain(<i>Trachyspermum ammi</i>) on antioxidant enzymes activity in Nile tilapia(<i>Oreochromis niloticus</i>) culture	2023	. <i>Exp.Zool.India</i> 26, 205-211
29.	Nevil Pinto, M. Ganapathi Naik , B.T. Naveen Kumar, K M Shankar, K Rakesh, P.B Abhiman, R P Sathis, K S Ramesh	Oxytetracycline efficacy and preliminary establishment of pharmacokinetic residues in tropical fish, <i>Catla catla</i> (Hamilton, 1822)	2023	<i>Aquaculture</i> 571(2023)739481
30.	Jayashri Mahadevi Swamy, Ajay Sonvane, Vaishali Matpathi and Ganapathi Naik M	Role of ajwain(<i>Trachyspermum ammi</i>) as feed additive in fish culture	2023	<i>The Pharma Innovation</i> 12(3), 4367-4370

6.2. Abstract in symposium/seminar

Sl. No.	Authors	Year	Title	Symposium/seminar
1.	Anjusha, K.V., Ganapathi Naik, M. , P.Dharmakar, Ramesh, K.S, Abhiman, P.	2017	Effect of cinnamon (<i>Cinnamomum verum</i>) in growth, survival, disease resistance and hematology of Indian major carp, rohu(<i>Labeo rohita</i>)	<i>Abstract published in the Book of Abstracts of the 11th Indian Fisheries and Aquaculture Forum held at Kochi, Kerala during 21-24 November 2017</i>

2.	Dharmakar, P., Ganapathi Naik, M. , Anjusha, K.V., Ramesh, K.S and Abhiman, P.B	2017	Effect of dietary peppermint (<i>Mentha piperita</i>) on growth, survival, disease resistance and hematology of Indian major carp, rohu(<i>Labeo rohita</i>).	<i>Abstract published in the Book of Abstracts of the 11th Indian Fisheries and Aquaculture Forum held at Kochi, Kerala during 21-24 November 2017.</i>
3.	Pinto, N., Ganapathi Naik, M. , Shankar, K.M., Naveen, K.B.T., Ramesh, K.S., Abhiman, P.B., Satish, R.P., and Rakesh, K	2017	Evaluation of efficacy of a selected antibiotic against <i>Aeromonas hydrophila</i> in Indian major carp, <i>Catla catla</i>	<i>Abstract published in the Book of Abstracts of the 11th Indian Fisheries and Aquaculture Forum held at Kochi, Kerala during 21-24 November 2017.</i>
4.	Satish P., Inchara, U., Ramesh, K.S and Ganapathi Naik, M	2017	Surveillance of freshwater fish diseases in Karnataka	<i>Book of Abstracts of the International symposium on “Aquatic Animal Health and Epidemiology for Sustainable Asian Aquaculture” held at ICAR-National Bureau of Fish Genetic Resources, Lucknow, India during 20-21st April 2017.</i>
5.	Anjush, K.V., Ganapathi Naik, M ., Dharmakar Padala, Ramesh K.S., Abhiman P.B. and Rakesh, K.	2019	Effect of cinnamon(<i>Cinnamomum verum</i>) on <i>Labeo rohita</i> : Hematology and disease resistance	<i>Book of Abstracts of the Symposium on Asian-Pacific Aquaculture 2019, June 19-21, Chennai</i>
6.	Dharmakar Padala, Ganapathi Naik, M ., Anjush, K.V., Ramesh K.S., Abhiman P.B. and Md.Abdullah Al Mamun	2019	Effect of dietary peppermint (<i>Mentha piperita</i>) in disease resistance and hematology of Indian major carp, rohu, <i>Labeo rohita</i>	<i>Book of Abstracts of the Symposium on Asian-Pacific Aquaculture 2019, June 19-21, Chennai</i>

6.3. Consultancy/Farm Advisory

As Incharge, Research & Instructional Fish Farm, Dept. of Aquaculture, College of Fisheries, Mangalore consultancy has been given to fish farmers on

- Breeding, seed rearing, grow out and marketing of carps.
- Ornamental fish breeding, seed rearing and marketing.
- Water quality management in aquaculture ponds.
- Common fish diseases and their management.

6.4. Fish seed production, distribution and revenue generation

Produced and distributed food fish and ornamental fish seed to the fish farmers/general public and generated revenue.

6.5. Professional Book Published

1. **Ganapathi Naik M** (2013). **A Text Book on Meteorology and Geography**. Narendra Publishing House, Delhi-110006. ISBN No.978-93-82471-11-0

6.6. Hand books published

1. Dr. Jayaraj, Dr. N Basavaraj, Dr. K S Ramesh, **Dr. Ganapathi Naik M**, Manjulesh Pai, Dr. Abhiman and Surendranath(2018). A Handbook on Fish Farming for Aquaculture Technicians. Published by DE, KVAFSU, Bidar in collaboration with National Fisheries Development Board, Hyderabad.
2. **Dr. Ganapathi Naik M**, Dr. Abhiman P B, Manjulesh Pai, Dr. Mahadevi and Anitha Nagraj(2020). A handbook on New Aquaculture Technologies (English).
3. Dr. Senthilvel, **Dr.Ganapathi Naik M**, Dr.Abhiman P B, Rakesh K, Dr. Princy and Monica K S (2021). A Handbook on Fish Galaxy.
4. Dr. Shivakumar Magada, **Dr. Ganapathi Naik M**, Dr. Rakesh K, Monica K S and Detty Nebu(2022). A handbook on New Aquaculture Technologies (Kannada).

6.7. Leaflets

1. Dr. K.S Ramesh, **Dr. Ganapathi Naik M**, Satish Poojari and Inchara U B(2017). Detection and Prevention of diseases in freshwater fishes. Published under National Surveillance Programme for Aquatic Animal Diseases, sponsored by NFDB, Hyderabad.
2. Dr. K M Shankar, Dr. K S Ramesh, Dr. Prakash Patil, Dr. B. Mohan Kumar, **Dr. Ganapathi Naik M** and Satish(2017). Infectious ulcerative diseases of fishes. Published by Dean, College of Fisheries, Mangalore.
3. Dr.Ganapathi Naik M (2014). Eco-friendly Biofuels.

4. Dr.Ganapathi Naik M (2013). Aquariuma-Maneyolagondu Mastyalaya(Kannada)

6.8. Training programme organized:

Sl No	Title	Duration	Place and Date	Organized by	Coordinator/Associate Coordinator
1.	Training programme on “National surveillance programme for aquatic animal diseases”	1 day	H.D.Kotte, Mysore 20-1-2017	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator
2.	Training programme on “National surveillance programme for aquatic animal diseases”	1 day	Budanoor, Mandya 14-2-2017	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator
3.	Training programme on “National surveillance programme for aquatic animal diseases”	1 day	BRP, Shivamoga 20-12-2017	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator
4.	Training programme on “National surveillance programme for aquatic animal diseases”	1 day	KVK Mudigere , 9-2-2018	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator
5.	Training programme on “National surveillance programme for aquatic animal diseases”	1 day	Ayyanegere, Madikeri 21-2-2019	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator

6.	Training programme on “National surveillance programme for aquatic animal diseases”	1 day	KVK, Davanagere 2-3-2019	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator
7.	A training programme on “Skill Development Programme on Aquaculture Technician Training”	25 days	College of Fisheries, Mangalore From 12-6-2018 to 7-7-2018	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.	Associate Coordinator

6.9. As Resource Person in the training programme

Sl No	Place and Date	Type of Event	Title of Training	Topic Discussed	Organized by
1.	College of Fisheries, Mangalore 17-09-2013	Training Programme	Ornamental Fish Culture and Aquaculture in Rural Areas	Carp culture with integration of animal husbandry and agriculture in rural areas	Department of Agriculture, Govt. of Karnataka and College of Fisheries, Mangalore
2.	College of Fisheries, Mangalore 18-9-2014	Training Programme	Production and Marketing of Ornamental Fishes	Aquarium Fabrication	Marine Products Export Development Authority(MPEDA), Cochin and College of Fisheries, Mangalore

3.	Office of the Assistant Director of Fisheries(G-I), Fish Seed Production Centre Kabini, H.D.Kotte, Mysore 20-1-2017	Training Programme	Training programme on “National surveillance programme for aquatic animal diseases”	Water quality and disease management in aquaculture	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
4.	Office of the Assistant Director of Fisheries(G-II), Fish Seed Production Centre, Budanoor, Mandya 14-2-2017	Training Programme	Training programme on “National surveillance programme for aquatic animal diseases”	Water quality and disease management in aquaculture	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
5.	Fish Seed Production Centre BRP, Shivamoga 20-12-2017	Training Programme	Training programme on “National surveillance programme for aquatic animal diseases”	Water quality and disease management in aquaculture	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
6.	KVK , Mudigere 9-2-2018	Training Programme	Training programme on “National surveillance programme for aquatic animal diseases”	Water quality and disease management in aquaculture	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
7.	College of Fisheries, Mangalore From 12-6-2018 to 7-7-2018	Training Programme	Training programme on “Skill Development Programme on Aquaculture Technician Training”	Small scale aquaculture, Water quality management in aquaculture, maintenance of fish farm articles, fish breeding, grow out practices etc.	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
8.	Department	Training	Training	Water quality and	College of Fisheries,

	of Fisheries, Ayyanegere, Madikeri 21-2-2019	Programme	programme on “National surveillance programme for aquatic animal diseases”	disease management in aquaculture	Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
9.	KVK, Davanagere 2-3-2019	Training Programme	Training programme on “National surveillance programme for aquatic animal diseases”	Water quality and disease management in aquaculture	College of Fisheries, Mangalore and National Fisheries Development Board (NFDB), Hyderabad.
10.	Puttur 10-7-2019	National Fish Farmers Day	Training on Fish Culture	Methods of fish farming and water quality management in fish farming	Department of Fisheries, Government of Karnataka
11.	KVK, Mangalore From 21-1- 2019 to 19-2- 2019	Training Programme	One month training on”Aquaclinics and Aquapreneureship Development Programme	Fish farming maintenance and requirements in aquaculture Fish seed production and transport and practical demonstration	ICAR-KVK
12.	Sullia, Dakshina Kannada 4-9-2021	Training Programme	Training programme on “New aquaculture technologies”	Innovative rural aquaculture technologies and new aquaculture technologies	Department of Fisheries, Government of Karnataka.
13.	Kundapur 4-12-2021	Training Programme	Training programme on “Soil and Water Characteristics of Brackishwater Farms in Coastal Karnataka and BMPs for Sustainable Aquaculture”	Importance of brackish water aquaculture	ICAR-CIBA, Chennai

6.10. As Extension Incharge/Exhibition Incharge, the following exhibitions/Krishi/Mastya Melas conducted.

Sl. No.	Exhibition	Date	Place
1.	Science Exhibition	19-20 th September 2015	Pilikula Nisargadhama, Mangalore.
2.	<u>Krishi & Mastya Mela-2015</u>	27-30, September 2015	UAS, Dharwad
3.	<u>National Level Science Fest</u>	28-29 th January 2016	St. Aloysius College, Mangalore
4.	<u>National Mastya Mela-2016</u>	4-6 th March 2016	Dr. T.M.A Pai International Convention Centre, Mangalore.
5.	National Level Science Fest (<i>IMPRINTS -2017</i>)	3 rd February 2017	St. Aloysius College, Mangalore
6.	Udupi Mastyamela-2017	02-3-2017 to 04- 3-2017	Malpe beach
7.	Science Exhibition	January 10th to 15 th 2018	S.V.S College, Bantwal
8.	Science Exhibition	24 th to 26 th February, 2018	Govinda Dasa College, Surathkal
9.	Krishi Mela	15-18 November 2018	Alvas Trust, Moodabidri

6.11. Popular articles published

1. **Ganapathi Naik, M** and Venkatesh Prabhu(1997). Indian seafood industry-Facing a dreadful situation. Hosabaduku, a Kannada monthly.
2. **Ganapathi Naik, M** (1997). Culture of live fishes-A boon for farmers. Zeal Pathrike, a Kannada weekly.
3. **Ganapathi Naik, M** (1997). Amazing world of fishes. Savithavani, a Kannada monthly.
4. **Ganapathi Naik, M** (1997). Fertilizers used in fish culture ponds. Yekesh Pathrike, a Kannada weekly.
5. Ramachandra Naik, A.T.,Ramesh, T.J and **Ganapathi Naik, M** (1997). Shrimp and pig:An integrated approach. Sujatha Sanchike, a Kannada monthly.
6. Reddy., H.R.V., Shivaprakash, S.M. and **Ganapathi Naik, M** (1997). Exploitation of fisheries resources-Need for management strategies. Sujatha Sanchike.
7. Lakshmipathi M.T and **Ganapathi Naik, M** (1997). Merits of formulated feeds in fish culture. Rrishyashringa, a Kannada Weekly.
8. **Ganapathi Naik, M** and Ramesh T.J. (1997). Diversity in fish culture(1997). Rrishyashringa, a Kannada Weekly.
9. **Ganapathi Naik, M.,**Reddy, H.R.V and Hariharan(1997). Acid rain. Zeal Pathrike, a Kannada monthly.
- 10.**Ganapathi Naik, M.,** Ramesh T.J and Ramachandra Naik, A.T. (1997). Squilla-From dark to light. Sujatha Sanchike, a Kannada monthly.
11. **Ganapathi Naik, M.,** Ramachandra Naik. A.T., Ramesh, T.J and Vedamurthy(1997). Deep sea fisheries-A glance. Sujatha Sanchike, a Kannada montly.
- 12.**Ganapathi Naik, M** (1997). Sea food industry-Problems and solutions. Zeal Patrike, a Kannada Weekly.
13. **Ganapathi Naik, M.,** Reddy, H.R.V. and Hariharan(1997). Mud band fisheries. Savithavani, a Kannada monthly.
14. Lakshmipathi, M.T.and **Ganapathi Naik, M**(1998). Culture of shrimp in freshwater. Prajavani, a Daily.
15. **Ganapathi Naik, M** (1998). Food processing industry-A critique. Savithavani, a Kannada monthly.
16. **Ganapathi Naik, M** and Annappaswamy, T.S (199). World fisheries-An overview. Savithavani, a monthly.
17. **Ganapathi Naik, M** (1999). Marine fisheries-At the edge of the danger. Bayaludari, a Kannada monthly.

18. **Ganapathi Naik, M** (2000). Aquaculture-Recent developments. Savithavani, a Kannada monthly.
19. **Ganapathi Naik, M** (2000). Present status of fisheries of Karnataka. Bayaludari, a Kannada Weekly.
20. **Ganapathi Naik, M**(2001) Fish and environment. Savithavani, a Kannada Weekly.
21. **Ganapathi Naik, M** (2001). Diversity in shape of the fishes. Savithavani, a Kannada Weekly.
22. **Ganapathi Naik, M** (2002). Present status of agricultural economy. Bayaludari, a Kannada Weekly.
23. **Ganapathi Naik, M** (2004). Irradiation in food processing. Sujatha Sanchike, a Kannada monthly.
24. **Ganapathi Naik, M** (2005). Blast fishing and environment.Savithavani, a Kannada monthly.
25. **Ganapathi Naik, M** (2006).Our seas must not become dust bins. New Hosabaduku, a Kannada monthly.
26. **Ganapathi Naik, M** (2009).Aquarium for house beautification. A brochure was prepared in Kannada.
27. **Ganapathi Naik, M** (2012). Ecofriendly biofuels. A brochure
28. **Ganapathi Naik, M** (2017). Small scale fish culture. Published in a book entitled” Fish Culture Technologies” (*Kannada*) Editors: Dr.E.G.Jayaraj and Dr.Shivakaumar Magada.
29. **Ganapathi Naik, M** (2017). Ornamental fish production. Published in a book entitled” Fish Culture Technologies” (*Kannada*) Editors: Dr.E.G.Jayaraj and Dr.Shivakaumar Magada.
30. **Ganapathi Naik, M** (2017). Management of fish farm and fish farm articles. Published in a book entitled” Fish Culture Technologies” (*Kannada*) Editors: Dr.E.G.Jayaraj and Dr.Shivakaumar Magada.
31. **Ganapathi Naik, M** (2018). Importance of soil and water quality standards in aquaculture. Published in a book entitled “Fish Farming for Aquaculture Technicians”. Published by DE, KVAFSU, Bidar in collaboration with National Fisheries Development Board, Hyderabad.
32. **Ganapathi Naik, M** (2018). Management of soil and water quality for fish growth and feed adjustments. Published in a book entitled “Fish Farming for Aquaculture Technicians”. Published by DE, KVAFSU, Bidar in collaboration with National Fisheries Development Board, Hyderabad.

33. **Ganapathi Naik, M** (2018). Management of fish farm and fish farm articles. Published in a book entitled “Fish Farming for Aquaculture Technicians”. Published by DE, KVAFSU, Bidar in collaboration with National Fisheries Development Board, Hyderabad.

34. Monica K S., **Ganapathi Naik M** and Jayashree Swamy(May 2022). A look at Integrated Multi Trophic Aquaculture (IMTA) System. Aqua International, May 2022.

35. Monica K S, Detty Nebu, Rakesh K and **Ganapathi Naik M** (2022). Fish kills during summer. *Aqua International*, June 2022

36. Detty Nebu, Monica K S, Rakesh K and **Ganapathi Naik M** (2022). Recirculatory Aquaculture System (RAS): Way forward to intensive and sustainable aquaculture production. *Aqua International*, July 2022

37. Dr. Jayashri Mahadev Swamy, **Dr. Ganapathi Naik M**, Srinivasa K H and Monica K S (2023). Salinization of soil and water. *Aqua International*, February 2023.

6.12. Leaflets

5. Dr. K.S Ramesh, **Dr. Ganapathi Naik M**, Satish Poojari and Inchara U B(2017). Detection and Prevention of diseases in freshwater fishes. Published under National Surveillance Programme for Aquatic Animal Diseases, sponsored by NFDB, Hyderabad.

6. Dr. K M Shankar, Dr. K S Ramesh, Dr. Prakash Patil, Dr. B. Mohan Kumar, **Dr. Ganapathi Naik M** and Satish(2017). Infectious ulcerative diseases of fishes. Published by Dean, College of Fisheries, Mangalore.

7. Dr.Ganapathi Naik M (2014). Eco-friendly Biofuels.

8. Dr.Ganapathi Naik M (2013). Aquariume-Maneyolagonda Mastyalaya(Kannada)

6.13. Professional society award

1. Received Outstanding Faculty Award on 5-7-2015 by Venus International Foundation (Centre for Advanced Research and Design), Chennai-600088(Nomination Code: F. No./ VIFFA 2015 / 1102 | Certificate No.: FASN2015 – 1102 | Awarded on 5th July, 2015)

2. Received Adarsh Vidya Saraswati Rastriya Puraskar Award (National Award of Excellence 2020) by Glacier Journal Research Foundation (Global Management Council), Ahmedabad on 5-9-2020.

3. Received Reviewer Excellence Award by Agricultural Research Communication Centre, Karnal, Haryana on 28-9-2022.

6.14. Working in the Editorial board of research journals/professional publications

Sl. No	Name of the journal/Details of publication	Place of publication	Involved as	Year
1	International Journal of Scientific and Research Publications	New Delhi	Editorial Board Member	2020
2	Glacier Journal of Scientific Research	Ahmedabad	Editorial Board Member	2020

6. 15. Working as Referee/ Reviewer of research journals

Sl. No	Name of the journal	Place of publication	Year
1	Indian Journal of Animal Research (NAAS rating 6.44)	Karnal, Haryana	2022
2	Punjab University Journal of Zoology	Punjab	2022

7. Corporate Responsibilities / Other activities in the college/university during the assessment period:

1. As Student Counsellor.
2. As Anti ragging committee/Vigilance squad member.
3. As Stock verification officer
4. As Exhibition In-charge/Extension In-charge
5. As Grade scrutinizer.
6. As Incharge, Research and Instructional Fish Farm.
7. As Seminar Coordinator.
8. As Chairman, Time Table Committee.
9. As Chairman, Local Purchasing and Auctioning Committee.
10. As Member, Library Sub Committee.

11. As Member, Review Committee of Antiragging.
12. As Member, Hostel Supervisory Committee (HSC).
13. As Chairman, Vannamei Shrimp Auctioning Committee, FRIC (M), Ankola.
14. As Member, Academic Council of KVAFSU, Bidar.
15. Tour Leader
16. Member, Committee for Documents Verification of Candidates under Agricultural Quota.
17. Assistant Examination Coordinator(PG)

8. The best contributions made in teaching

1. Developed e-Course content of the UG course entitled “AEM 101 Meteorology and Geography (1+1)”.
2. Written a Text Book on “Meteorology and Geography” (published by Narendra Publishing House, New Delhi) for the benefit of UG students.

9. The best contributions in research

1. Research on monoclonal antibody based (MAb) surveillance of epizootic ulcerative syndrome (EUS) outbreaks in fishes in India was carried out. MAb based immunodot assay was used for sensitive and early detection of EUS causative agent *Aphanomyces invadans* for the prediction of EUS outbreak at least two months in advance in natural condition. This may enable the fish farmers to take up appropriate measures to save their fish stocks.
2. For the first time in India, studies on transplantation of native oysters in Mulky estuary, Karnataka have been carried out and found that transplantation of oysters may enhance the oyster population so as to enable the fishermen to exploit them profitably. The transplantation of oysters can be carried out by poor fishermen/women also and earn their livelihood.

10. The best contributions made in extension

1. Consultancy to fish farmers to enhance fish/ prawn/shrimp production.
2. Consultancy on ornamental fish breeding and farming.
3. Consultancy for site selection and construction of fish farms/ponds/tanks.
4. Training programmes have been conducted at Mysore, Mandya, Shivamogga, Mudigere, Madikeri and Davanagere under “National surveillance programme for aquatic animal diseases” sponsored by National Fisheries Development Board, Hyderabad.
5. Production of fish seed and marketing.