



Dr. K.N. Mohanta

Principal scientist

Mob- 918895211657

E-mail- knmohanta@gmail.com

Department	Fish Nutrition and Physiology Division
Institute/ University	Central Institute of Freshwater Aquaculture (Indian Council of Agricultural Research)
Office Address	Central Institute of Freshwater Aquaculture Kausalyaganga, Bhubaneswar, 751002, India
Permanent address	At- Dhangudiposi, P.O.- Bhanjkia, Via- Jashipur Dist- Mayurbhanj, Orissa, PIN- 757091
Tel	0674 2465421
Fax	
Date of Birth	25 th March 1968
Sex	Male
Date of joining in ICAR	11.07.1996

Academic qualification

Degree/ Diploma	University/ Institution	Class	Year	Subject
1. B.Sc (Chem. Hons)	Utkal University, Bhubaneswar	1 st class Distinction	1987	Chem, Phy, Math
2. B.F.Sc.	OUAT Bhubaneswar	1 st class Distinction	1991	All subjects of four years degree course in Fishery Science
3. M.F.Sc (Aquaculture)	OUAT Bhubaneswar	1 st class Distinction	1994	All subjects of Aquaculture

4. Ph.D. (Inland Aquaculture)	CIFE, Mumbai	1 st class Distinction	2005	All subjects of Inland Aquaculture
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Employment record & Experience (Starting from the present position)

Designation	Pay Scale/ Pay Band	Nature of work	Organi- zation	Institution & Place of posting	Period From-To	* Duration (Year & Months)
Senior Scientist (Fish & Fishery Science)	Rs. 37,400-67,000/- (Revised)	Fish Nutrition, Breeding, Aquaculture, Integrated Fish Farming	ICAR, New Delhi	ICAR Research Complex for Goa, Ela, Old Goa & Central Institute of Freshwater Aquaculture, Bhubaneswar, India	11.07.2005 to till date	7 Years
Scientist Senior Scale (Fish & Fishery Science)	Rs. 10,000-15,200/- (Pre-revised)	Fish Nutrition, Aquaculture, Breeding, Integrated Fish Farming	ICAR, New Delhi	ICAR Research Complex for Goa, Ela, Old Goa, India	11.07.2002 to 10.07.2005	3 Years
Scientist (Fish & Fishery Science)	Rs. 8,000-13,500/- (Pre-revised)	Fish Nutrition, Aquaculture, Breeding, Integrated Fish Farming	ICAR, New Delhi	ICAR Research Complex for Goa, Ela, Old Goa, India	11.07.1996 to 10.07.2002	6 Years
Technical Officer	Rs. 6500/- (Gross)	Shrimp Hatchery & Farming	Private Company	Suryo Foods and Industries Ltd., Gopalpur, Orissa, India	Nov. 1995 to June 1996	8 Months
Technical Officer	Rs. 5,000/- (Gross)	Shrimp Hatchery & Farming	Private Company	Visakha Aquafarms Ltd., Gudiwada, A.P., India	May 1995 to Oct. 1995	6 Months

Technical Officer	Rs. 4,500/- (Gross)	Shrimp Farming	Private Company	Venketeswara Aquafarms Ltd., Rajole, A.P., India	Oct. 1994 to April 1995	7 Months
Junior Biologist	Rs. 2,500/- (Gross)	Shrimp Farming and Feed Technology	Private Company	Himfeeds (P) Ltd., Ganjam, Orissa, India	Sep. 1991 to June 1992	10 Months

Awards and recognitions

A	Fellowship/ Scholarship received during the study	<ol style="list-style-type: none"> 1. National Rural Talent Search Examination during Matriculation (1979-1983) - Non-refundable. Stood first in the Sub-Division 2. College Merit Scholarship during Intermediate and Graduation (1983-87)-Non-refundable from M.P.C. College, Baripada, Mayurbhaj, Orissa 3. University Merit Scholarship during Bachelors Degree in Fisheries Science (1987-91)-Non-refundable from OUAT, Bhubaneswar, Orissa 4. Junior Research Fellowship during Masters Degree in Fisheries Science (1991-93)-Non-refundable from ICAR, New Delhi 5. Senior Research Fellowship during Doctor in Philosophy (2001-2004)-Non-refundable from CIFE, Mumbai. 6. DBT Overseas Associateship (2007-08) during Post-doc research (Feb-July 2009) at INRA, France.
B	Awards/ Recognitions receiver with details and the year of the award	<ol style="list-style-type: none"> 1. Awarded Senior Research Fellowship from ICAR, New Delhi for carrying out my Ph. D thesis work (2001-2004). 2. Joined in Agriculture Research Service (ARS) as a Scientist on 11.07.1994 (1994 batch of ARS) and promoted to Senior Scientist with effect from 11.07.2005. 3. Awarded DBT Overseas Fellowship for the year 2007-08 by Department of Biotechnology, Ministry of Science and Technology, Government of India to carry out the Advance Research in Aquaculture Biotechnology at INRA, France. 4. Received the ICAR Award for outstanding Interdisciplinary Team Research in Agriculture and Allied Science for the Biennium 2005-06 from Ministry of Agriculture,

Government of India on 16.07.2008.

5. Awarded the **Young Scientist Associate Award 2009 in Fish and Fisheries Science** by **Bioved Research and Education Society, Allahabad, U.P** on 12.02.2009.
6. Biography included in the “**2010 Edition of the Marquis Who’s Who in the World**”, News Communications Inc., New Providence, New Jersey, USA.
7. Selected for **post-doctoral fellowship** from i) **Universiti Sains Malaysia, Penang, Malaysia** and ii) **Kangnung National University, Gangwondo, South Korea**.
8. **Received invitations from overseas host laboratories** (Institute for Marine Biosciences, National Research Council of Canada, 1411 Oxford Street, Halifax, Canada; Institute of Marine Research, Florida Institute of Technology, 150 West University Boulevard, Melbourne, Florida 32901, USA; National Institute of Nutrition and Seafood Research, Post Box 2029, Nordnes, N-5817, Bergen, Norway; INRA, France; Department of Marine Biosciences, Tokyo University of Marine Science and Technology, Konan 4-5-7, Minato-city, Tokyo 108-8477, Japan; Korean Maritime University, 1 Dongsam-Dong, Yeongdo-Ku, Busan 606-791, Korea; Kangnung National University, Gangneung 210-702, Gangwon-do, South Korea and School of Biological Sciences, Universiti Sains Malaysia, Penang 11800, Malaysia) for collaborative research for my DBT approved Overseas Associateship Programme (2007-08) on the subject of “Assessment of compensatory growth of fish and associated changes in body condition indices due to feed deprivation and refeeding”.
9. Appointed by Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture, Government of India as a “**Member, Project Implementation Committee (NMPS-PIC) for Implementation of Fisheries Schemes under National Mission for Protein Supplements (NMPS)**” in different States of India.
10. Identified as “**One of the most productive contributors in the field of Food Science and Technology**” in India by Central Food Technological Research Institute (Council of Scientific and Industrial Research, New Delhi), Mysore
11. **Received a prestigious offer from a reputed publishing house namely LAP LAMBERT Academic Publishing GmbH & Co, Saarbrücken, Germany for publication of my Ph.D thesis to**

		<p>a book by free of cost.</p> <ol style="list-style-type: none"> 12. Appointed by DBT-TWAS, Italy as Technical Supervisor of Prof. Dr. A. Sogbesan, a DBT-TWAS Postdoctoral Fellow from Department of Fisheries, Federal University of Technology, Yola, Nigeria to guide his Post-doctoral research in CIFA, Bhubaneswar during 2011-12. 13. Served as Co-Chairman for the “Genetics and Biotechnology Session” of the 9th Indian Fisheries Forum, Chennai. 14. Served as Rapporteur for the Session on “Clinical Nutrition” in 1st IAVNAW Conference on “The Significance of Veterinary Nutrition for Health and Production of Animals of Agro-ecological Importance”. 15. Served as Rapporteur for the Biodiversity Conservation Session of the “20th All India Congress of Zoology and National Seminar on Bioresources and its Management for Food, Livelihood and Environmental Security and National Helminthological Congress” held at Central Institute of Fisheries Education, Mumbai during 29-31 December 2009. 16. Served as Rapporteur in the “National Seminar on Zoology, Life Processes and Nanotechnology” held at Goa University, Goa, India during 8th-10th February 2010. 17. Served as Rapporteur, “National Conference on Aquaculture: Fish for Billion” (for the technical session- Genetics and Biotechnology) held at CIFA, Bhubaneswar during 16-17 March 2012. 18. Served as Rapporteur, “National Workshop on Application of Plastic in Aquaculture” held at CIFA, Bhubaneswar on 11 July 2011.
<p style="text-align: center;">C</p>	<p>Recognition from other Universities as an external examiner/evaluator of thesis</p>	<ol style="list-style-type: none"> 1. Nominated as an Examiner and Evaluator for Masters and Ph. D thesis for University of Mumbai, Fort, Mumbai, India. 2. Nominated as an Examiner, Evaluator and Research Guide for the P.G. and Ph. D research work for Central Institute of Fisheries Education (Deemed University under ICAR, New Delhi), Mumbai, India. 3. Nominated as an Examiner, Evaluator and Research Guide for the P.G. and Ph. D research work for the Goa University, Goa, India. 4. Nominated as an Examiner, Evaluator and Research Guide for the P.G. and Ph. D research work for Cochin University of

		<p>Science and Technology, Kochi, India.</p> <ol style="list-style-type: none"> 5. Nominated as an Examiner, Evaluator and Research Guide for the P.G. and Ph. D research work for the Karnataka Veterinary, Animal Science and Fisheries University, Bidar, India. 6. Nominated as an Examiner, Evaluator and Research Guide for the P.G. and Ph. D research work for the Mangalore University, Mangalore, India. 7. External Examiner and Evaluator for the College of Fisheries, Lembuchera, Tripura (Central Agriculture University, Tripura), India. 8. Nominated as Guide/Examiner for the P.G. and Ph. D degree of the Utkal Univeristy, Vanivihar, Bhubaneswar, Odiha, India. 9. Nominated as Guide/Examiner for the P.G. and Ph. D degree of the Orissa University of Agriculture and Technology, Odisha, India. 10. Nominated as Guide/Examiner for the P.G. and Ph. D degree of the Aligarh Muslim University, Aligarh, UP, India.
D	Editor/ Editorial Board of the international journals	<ol style="list-style-type: none"> i. Editor, International Journal of Nutrition and Metabolism, Academic Journals ii. Editor, International Journal of Livestock Production, Academic Journals iii. Editorial Board, African Journal of Food Science, Academic Journals
E	Referee for the journals	<p>I. International journals</p> <ol style="list-style-type: none"> 1. Acted as a reviewer for the British Journal of Nutrition (Cambridge Publication, UK). 2. Acted as a reviewer for the Fish and Shellfish Immunology (Elsevier Publication, Amsterdam, The Netherlands). 3. Acted as reviewer for Animal Feed Science and Technology (Elsevier Publication, Amsterdam, The Netherlands). 4. Acted as reviewer for Comparative Biochemistry and Physiology - Part B: Biochemistry & Molecular Biology (Elsevier Publication, Amsterdam, The Netherlands). 5. Acted as reviewer for Aquaculture Research (Blackwell Publication, Edinburgh, UK).

6. Acted as reviewer for **Aquaculture Nutrition (Blackwell Publication, Oxford, UK).**
 7. Acted as reviewer for **Animal Physiology and Animal Nutrition (Blackwell Publication, Oxford, UK).**
 8. Acted as reviewer for **Proceedings of Zoological Society (Springer Publication, UK)**
 9. Acted as reviewer, **Food and Chemical Toxicology (Elsevier Publication, Oxford, UK)**
 10. Acted as reviewer for the **Journal of World Aquaculture Society (Published by Blackwell publication, USA).**
 11. Acted as reviewer for the **African Journal of Food Science (Published by Academic Journals, an open access journal).**
 12. Acted as reviewer for **African Journal of Biotechnology (Published by Academic Journals, an open access journal).**
 13. Acted as a reviewer for **Turkish Journal of Fisheries and Aquatic Science (An academic journal has been published by Central Fisheries Research Institute of Turkey and Japan International Cooperation Agency (JICA).**
 14. Acted as a reviewer for **African Journal of Pure and Applied Chemistry (Academic Journals).**
 15. Acted as a reviewer for **Journal of Cancer Research and Experimental Oncology (Academic Journals).**
 16. **Nominated** as a member in the **Editorial Board of the International Journal of Fisheries and Aquaculture (an Academic Journal).**
- * Evaluated more than 60 research papers for the above mentioned International Journals.**

II. Indian Journals

1. Acted as referee for the **Journal of Aquaculture (Published by Association of Aquaculturists, Bhubaneswar, India).**
2. Acted as referee for the **Indian Journal of Animal Research (Published by Agriculture Research Communication Centre, Haryana, India).**

F	Student guided for project work	<p>i. B. Sc (Zoology)</p> <p>Acted as field guide for the following project works undertaken by the B. Sc (Zoology) students from different colleges of Goa University.</p> <ol style="list-style-type: none"> 1. Efficacy of different binders in pellet quality and growth performance of rohu (<i>Labeo rohita</i> Ham.). Submitted by Manu Bhardwaj, Carmel College for Women, Nuvem, Goa in the year 2005-06, 106p. 2. Use of earthworm as a feed component in rearing of <i>Labeo rohita</i> (Ham.) fry. Submitted by Libia Sequeira, Carmel College for Women, Nuvem, Goa in the year 2005-06, 96p. 3. Comparative study of estuarine and freshwater zooplanktons. Submitted by Vidhya G. Naik, Jisha U. Chambayil and Sheetal Gaude. Ponda Education Society's R.S.N. College, Farmagudi, Ponda, Goa in the year 2005-06, 78p. 4. Breeding and larval rearing of guppy, <i>Poecilia reticulata</i> under different feeding regimes and management practices. Submitted by Arpita S. Lopez, Manju M. Surliker and G. Krupavati Kesanna for the year 2006-07. Carmel College for Women, Nuvem, Goa in the year 2005-06, 115p. 5. Breeding and seed production of blue gourami, <i>Trichogaster trichopterus</i>. Submitted by Samreen Kuntoji, Maryem Shaikh and Treza Joseph. Carmel College for Women, Nuvem, Goa for the year 2007-08.
		<p>ii. M. Sc (Zoology)</p> <p>Acted as field guide/co-guide for the following project works undertaken by the M. Sc (Zoology) students from Goa University.</p> <ol style="list-style-type: none"> 1. Nutrition and toxicity studies in freshwater fishes. Arpita Lopez, Goa University, Goa (2008-09) 2. Use of fish roe as dietary fatty acid to improve the breeding and seed production of blue gourami, <i>Trichogaster trichopterus</i>. Mithila U Palankar, Goa University, Goa (2008-09) 3. Studies on morphology, biology, chemical and biochemical composition of sardine, <i>Sardinella logiceps</i> (Val) and mackerel, <i>Rastrelliger kanagurata</i> (Cuvier) off Goa Coast.

		<p>Vidhya Palni, Goa University, Goa (20088-09).</p> <p>4. Nutrition of common ornamental fish molly, <i>Poecilia latipinna</i> and angelfish, <i>Pterophyllum scalare</i>. Maryem Shaikh, Goa University, Goa (20088-09).</p>
		<p>iii. Ph. D</p> <p>Acted as major guide for the following project works undertaken by the Ph.D students from CIFE, Mumbai</p> <p>1. Effect of different probiotics and their combinations on growth, nutrient utilization, digestibility, immunity, biochemical composition, hematological parameters and histopathology of rohu, <i>Labeo rohita</i> fingerlings. Ms. Sipra Mohapatra, Central Institute of Fisheries Education, Mumbai (degree awarded in 2010).</p>
		<p>iv. Post-doc</p> <p>Served as Technical Supervisor for the DBT-TWAS Post-doctoral Fellow from the Nigeria</p> <p>1. Utilization, bioconversion and evaluation of maize cob as co-energy source in the diets of carp. Amos O Sogbesan, DBT-TWAS Post-doctoral Fellow from Modibbo Adama University of Technology, Yola, Nigeria (degree awarded in 2012).</p>

Publications		
A	PAPERS PUBLISHED IN SCIENTIFIC JOURNALS	<ol style="list-style-type: none"> 1. Mohapatra, S., Chakraborty, T., Prusty, A.K., Kumar, K. and Mohanta, K.N., 2012. Fenvalerate induced stress mitigation by dietary supplementation of multispecies probiotic mixture in a tropical freshwater fish, <i>Labeo rohita</i> (Hamilton). <i>Pesticide Biochemistry and Physiology</i> (Accepted for publication; In press). 2. Mohapatra, S., Chakraborty, T., Prusty, A.K., Das, P., Paniprasad, K. and Mohanta, K.N., 2012. Use of different microbial probiotics in the diet of rohu, <i>Labeo rohita</i> fingerlings: effects on growth, nutrient digestibility and retention, digestive enzyme activities and intestinal microflora. <i>Aquaculture Nutrition</i>, 18 (1):1-11. 3. Mohanta K. N., Subramanian S. and Korikanthimath V. S., 2011. Effect of dietary protein and lipid levels on growth,

nutrient utilization and whole-body composition of blue gourami, *Trichogaster trichopterus* fingerlings. *Journal of Animal Physiology and Animal Nutrition* (doi:10.1111/j.1439-0396.2011.01258.x, accepted for publication).

4. **Mohanta K. N.**, Subramanian S. and Korikanthimath V. S., 2011. Replacement of fish meal protein by surimi by-product protein in the diet of blue gourami *Trichogaster trichopterus* fingerlings. *Journal of Animal Physiology and Animal Nutrition* (doi: 10.1111/j.1439-0396.2011.01237.x, accepted for publication).
5. **Mohanta K. N.**, Subramanian S. and Korikanthimath V. S., 2011. Effect of protein and lipid levels on growth and nutrient utilization of freshwater angelfish *Pterophyllum scalare*. *Israeli Journal of Aquaculture-Bamidgeh-* (IJA: 64.2012.756, accepted for publication).
6. **Mohanta, K.N.**, Mohanty, S.N., Jena, J.K., Sahu, N.P. and Patro, B., 2009. Carbohydrate level in the diet of silver barb, *Puntius gonionotus* (Bleeker) fingerlings: Effect on growth, nutrient utilization and whole body composition. *Aquaculture Research*, **40**: 927-937 (doi:10.1111/j.1365-2109.2009.02186.x).
7. **Mohanta, K.N.**, Mohanty, S.N., Jena, J.K. and Sahu, N.P., 2008. A dietary energy level of 14.6 MJ kg⁻¹ and protein to energy (P/E) ratio of 20.2 g MJ⁻¹ results best growth performance and nutrient accretion in silver barb *Puntius gonionotus* fingerlings. *Aquaculture Nutrition*, **15**: 627-637 (doi: 10.1111/j.1365-2095.2008.00632.x).
8. **Mohanta, K.N.**, Mohanty, S.N., Jena, J.K. and Sahu, N.P., 2008. Effect of three different oil cake based diets on pond production performance of silver barb, *Puntius gonionotus*. *Aquaculture Research*, **39**: 1131-1140. (doi: 10.1111/j.1365-2109.2008.01974.x).
9. **Mohanta, K.N.**, Mohanty, S.N., Jena, J.K. and Sahu, N.P., 2008. Optimal dietary lipid level of silver barb, *Puntius gonionotus* fingerlings in relation to growth, nutrient retention and digestibility, muscle nucleic acid content and digestive enzyme activity. *Aquaculture Nutrition*, **14**: 350-359. (doi: 10.1111/j.1365-2095.2007.00542.x).
10. **Mohanta, K.N.**, Mohanty, S.N., Jena, J.K. and Sahu, N.P., 2008. Protein requirement of silver barb, *Puntius gonionotus*

fingerlings. *Aquaculture Nutrition*, **14**: 143-152. (doi: 10.1111/j.1365-2095.2007.00514.x).

11. Mohanta, K.N., Mohanty, S.N. and Jena, J.K., 2007. Protein-sparing effect of carbohydrate in silver barb, *Puntius gonionotus* fry. *Aquaculture Nutrition*, **13**: 311-317.
12. Mohanta, K.N., Mohanty, S.N., Jena, J.K. and Sahu, N.P., 2007. Effect of different oil cake sources on growth, nutrient retention and digestibility, muscle nucleic acid content, gut enzyme activities and whole body composition in silver barb, *Puntius gonionotus* fingerlings. *Aquaculture Research*, **38**: 1702-1713.
13. Mohanta, K.N., Mohanty, S.N., Jena, J.K. and Sahu, N.P., 2006. Apparent protein, lipid and energy digestibility coefficients of some commonly used feed ingredients in formulated pellet diets for silver barb, *Puntius gonionotus*. *Aquaculture Nutrition*, **12**: 211-218.
14. Mohanta, K.N., Jena, J.K. and Mohanty, S.N., 2006. Nursery rearing of silver barb, *Puntius gonionotus*: A preliminary trial. *Aquaculture Asia*, **XI (1)**: 7-10.
15. Sau, S., Paul, B.N., Mohanta, K.N. and Mohanty, S.N., 2004. Dietary vitamin E requirement, fish performance and flesh quality of rohu (*Labeo rohita*) fry *Aquaculture*, **240**:359-368.
16. Mohanta, K.N. and Subramanian, S., 2002. Effect of diets with protein from different sources on the growth of gold fish, *Carassius auratus*. *The Israeli Journal of Aquaculture-BAMIDGEH*. **54 (3)**: 99-105.
17. Mohanta, K.N. and Rao, K.J., 2000. Comparative performance of three types of larval diets in seed production of giant freshwater prawn and a trial for partial or complete substitution of brine shrimp. *Journal of Aquaculture in Tropics*, **15(2)**: 145-152.
18. Mohanta, K.N., 2000. Development of giant freshwater prawn broodstock. *NAGA. World Fish Centre. Penang, Malaysia. The ICLARM Quarterly Journal*, **23 (3)**: 18-20.
19. Mohanta, K.N., 2001. Rehydration capacity of different prawn products. *Fishing Chimes*, **29(9)**: 37-38.
20. Mohanta, K.N., 1999. Dedicated farm-raised giant freshwater prawn broodstock for hatchery use. *Fishing Chimes*, **19(7)**: 17- 19.

<p>B</p>	<p>Research/ Technical papers presented in Seminars/ Symposiums/ Workshops/ Forum etc</p>	<ol style="list-style-type: none"> 1. Mohanta, K.N., 2012. Plant feed resources of India. Paper presented in the “National Workshop on Application of Solid State Fermentation Technology in Aquaculture” organized by Central Institute of Freshwater Aquaculture, Bhubaneswar, India held on 29th May 2012, pp. 100-113. 2. Sogbesan, O.A., Jayasankar, P. and Mohanta, K.N., 2012. Maize cob: A reliable co-energy sources in fish feed. Paper presented in the “National Workshop on Application of Solid State Fermentation Technology in Aquaculture” organized by Central Institute of Freshwater Aquaculture, Bhubaneswar, India held on 29th May 2012, pp. 118-128. 3. Rath, S.C., Nayak, K.C., Mohanta, K.N., Rangachryulu, P.V., Sarkar, S. and Giri, S.S., 2011. Incorporation of rain tree (<i>Samanea sama</i>) pod meal as feed ingredient in <i>Labeo rohita</i> (Ham.) larval diets. Paper presented in the “1st IAVNAW Conference on “The Significance of Veterinary Nutrition for Health and Production of Animals of Agro-ecological Importance” organized by College of Veterinary and Animal Husbandry, IGKV, Anjora, Durg, Chhatisgarh, p. 175. 4. Sogbesan, O.A., Jankayaskar, P. and Mohanta, K., 2011. Phytochemical and nutrient investigation of maize cob as co-energy source in carp feed. Paper presented in “9th Indian Fisheries Forum”, organized by CMFRI, Kochi at Chennai during 19-23 December 2011. Abstract No. NH-O 11, p.145. 5. Rath, S.C., Nayak, K.C., Mohanta, K.N. Rangacharyulu, P.V. and Sarkar, S., 2011. Use of mast tree <i>Polyalthea longifolia</i> seed meal as an alternative carbohydrate source in the diet of rohu, <i>Labeo rohita</i> fry. Paper presented in the “9th Indian Fisheries Forum”, organized by CMFRI, Kochi at Chennai during 19-23 December, 2011, Abstract No. NH-P 05, p. 179. 6. Mohanta, K.N., 2011. Fish Nutrition and Feed. Training Manual of “Recent Advances in Freshwater Aquaculture” for the officials of State Fisheries Department, Government of Bihar , 15-20 June 2011, sponsored by National Fisheries Development Board, Hyderabad and organized by Central Institute of Freshwater Aquaculture, Bhubaneswar, 172p. 7. Mohanta, K.N. and Subramanian, S., 2011. Effect of protein and lipid levels on growth and nutrient utilisation of freshwater angel fish, <i>Pterophyllum scalare</i>. Paper presented in Asian-
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- Pacific Aquaculture and Gaint Prawn, 2011** organized by World Aquaculture Society and College of Fisheries, Panangad, Kerala held at Kochi, Kerala, India during 17-20th January 2011, General Aquaculture II, p. 653.
8. **Mohanta, K.N.**, 2010. Nutritional intervention in enhancing the cultured fish production of North Eastern states of India. Paper presented in “**Launching Workshop of Network for Sustainable Development of Fisheries and Aquaculture for the North-Eastern Region**” organized by i) Department of Fisheries, Government of Assam, ii) National Fisheries Development Board, Hyderabad and held during 6-7 December 2010 at Assam Administrative Staff College, Guwahati, Assam.
 9. **Mohanta, K.N.**, Subramanian, S. and Korikanthimath, V.S., 2010. Effect of protein and lipid levels on growth and nutrient utilisation of sword tail, *Xiphophorus helleri*. Paper presented in the National Seminar on Zoology, Life Processes and Nanotechnology held at Goa University, Goa, India during 8th-10th February 2010, Abstract No. 31, p. 42.
 10. **Mohanta, K.N.** and Subramanian, S., 2009. Protein and lipid requirement of guppy, *Poecilia reticulata*. Paper presented in the 20th All India Congress of Zoology and National Seminar on Bioresources and its Management for Food, Livelihood and Environmental Security and National Helminthological Congress held at Central Institute of Fisheries Education, Mumbai during 29-31 December 2009, Abstract AQO-028, pp. 44-45.
 11. Subramanian, S., **Mohanta, K.N.** and Komarpan, N., 2009. Diversification of species for sustainable fisheries production in West Coast region with special reference to Goa. Paper presented in the “**96th Indian Science Congress**” held at Shillong, India in the Animal and Veterinary and Fisheries Section of the Congress during 3-7 January 2009.
 12. Subramanian, S., **Mohanta, K.N.** and Komarpant, N., 2008. Livelihood opportunities available in small scale fisheries for economic production and income generation. Paper accepted for presentation in “**International Seminar on Livelihood Security**” organized by ICAR Research Complex for Goa, Goa during 24-27th September 2008, pp. 228-229.

13. **Mohanta, K. N.** and Subramanian, S., **2008.** Effect of oils from different sources on growth, nutrient utilisation and whole body composition on blue gourami, *Trichogaster trichopterus*. Paper accepted for presentation in “**8th Indian Fisheries Forum**” held at CIFRI, Barrackpore during 22-26 November 2008, pp. 112-113.
14. Subramanian, S., **Mohanta, K.N.** and Komarpant, N., **2008.** Fisheries development in Goa with an emphasis on conservation and management of aquatic resources. Paper in the “**National Conference on Aquatic Genetic Resources organized**” by National Bureau of Fish Genetic Resources, Allahabad and Aquatic Biodiversity Conservation Society during 26-27 April 2008 at Allahabad.
15. Subramanian, S., **Mohanta, K.N.** and Komarpant, N. **2008.** Fisheries and Tourism as complementary economic enterprises for Goa. Paper presented in the “**International Seminar on Natural Area Tourism: Impacts, Planning and Management**” organized by St. Xaviers College, Mapusa, Goa in association with the Department of Tourism, Government of Goa, The Travel and Tourism Association of Goa and The International Centre Goa, during 14-15 February, 2008 at International Centre, Goa. Abstract No. 1, P 1.
16. Subramanian, S., Komarpant, N. and **Mohanta, K.N.** **2007.** Increase of efficiency in marine fisheries through potential fishing zone advisories. Paper presented in the Workshop on "Marine Fisheries of Goa: Resources and Sustainable Utilization" organized by Fishery Survey of India at MPT Institute, Vaso-da-Gama on 28th November, 2007.
17. Mohanta, K.N., **Borkar, M.** and Subramanian, S., **2007.** **Growth performance of rohu, *Labeo rohita* fingerlings fed three forms of earthworm diets. Paper presented in "8th Asian Fisheries Forum" held at Central Marine Fisheries Research Institute, Kochi, India during 20-24th November, 2007 (Abstract No. NTO 028, p. 368).**
18. **Mohanta, K.N.** and Subramanian, S., **2007.** Effect of protein and lipid level on growth and nutrient utilization of blue gourami, *Trichogaster trichopterus* in a closed water system. Paper presented in "**8th Asian Fisheries Forum**" held at Central Marine Fisheries Research Institute, Kochi, India during 20-24th November, 2007 (Abstract No. PEO 023, 142 p).

19. Mohanta, K.N. and Subramanian, S., 2007. **Formulation of low-cost practical diets for blue gourami, *Trichogaster trichopterus* fingerlings.** Paper abstract in "8th Asian Fisheries Forum" held at Central Marine Fisheries Research Institute, Kochi, India during 20-24th November, 2007 (Abstract No. AQP 023, p. 165).
20. Mohanta, K.N. and Subramanian, S., 2007. Replacement of fish meal protein by surimi by-product protein in the diets for blue gourami, *Trichogaster trichopterus*. Paper presented in the "Workshop on Sustainability of Indian Aquaculture Industry" organized by Indian Institute of Technology, Kharagpur, India during 28-29th September, 2007 (Abstract No. PVM 05, p. 131).
21. Mohanta, K.N., Mohanty, S.N. and Jena, J.K., 2006. Effect of formulated diets on growth, nutrient digestibility, muscle nucleic acid, gut enzyme activities and whole body composition of silver barb, *Puntius gonionotus* fingerling. Abstract of the 10th Annual Dan Popper Symposium 2006 held at Ben-Gurion, University of Negev, Israel on 20th February, 2006.
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24. Subramanian, S., Mohanta, K.N. and Nirmale, A.V., 2005. Effect of beef liver in the formulated feed on the growth performance of gold fish, *Carassius auratus*. Paper abstract in 7th Indian Fisheries Forum held at Bangalore during 08-12th November, 2005, APS-18, 31p.
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- its growth, nutrient retention, digestibility, RNA; DNA ratio, enzymatic activity and body carcass composition. **Paper abstract n 7th Indian Fisheries Forum held at Bangalore during 08-12th November, 2005, APS-8, 55p.**
26. **Mohanta, K. N.**, Mohanty, S.N. and Jena, J.K., **2005**. Study on protein sparing effect of carbohydrate in *Puntius gonionotus* fry. **Paper in the Proceedings of the 7th Indian Fisheries Forum held at Bangalore during 08-12th November, 2005, APS-7, 27p.**
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28. Subramanian, S. Komarpant, N., **Mohanta, K.N.** and Talauliakar, S., **2005**. Availability and production of commercially important fishes with special reference to tourism industry in Goa. **Paper presented in “National Seminar on Agro-Eco Tourism”** held at ICAR Research Complex for Goa, Old Goa, Goa during 19-20 January, 2005, pp. 39-40.
29. Subramanian, S., Komarpant, N. and **Mohanta, K.N.**, **2005**. *Macrobrachium rosenbergii*: An alternative species for trade and tourism in Goa. **Paper presented in “National Seminar on Agro-Eco Tourism”** held at ICAR Research Complex for Goa, Old Goa, Goa during 19-20 January, 2005, p39.
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- Responsible Fisheries and Aquaculture”, 12-13 February, 2004 held at College of Fisheries, Berhampur-7, Orissa, Abstract No. RFA-111, p 116.**
32. Paul, B.N., Sarkar, S., **Mohanta, K.N.**, Giri, S.S. and Mohanty, S.N., **2004**. Potential of mustard cake as protein source in practical diets for medium carp, *Puntius gonionotus* fry. **Paper presented in the “National Seminar on Responsible Fisheries and Aquaculture”, 12-13 February, 2004 held at College of Fisheries, Berhampur-7, Orissa, Abstract No. RFA-31, p 33.**
33. **Mohanta, K.N.**, Mohanty, S.N., Paul, B.N. and Jena, J.K., **2004**. Studies on the nutritional requirements of medium carp, *Puntius gonionotus*. **Paper presented in the “National Seminar on Responsible Fisheries and Aquaculture”, 12-13 February, 2004 held at College of Fisheries, Berhampur-7, Orissa, Abstract No. RFA-29. P 31.**
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C	Review papers	<p>1. Mohanta, K.N., 1997. Formulation of feeds for giant freshwater prawn larvae as alternative or addition to <i>Artemia salina</i>: A review. <i>Fishing Chimes</i>, 17(7): 11- 12.</p> <p>2. Mohanta, K.N., Subramanian, S. and Nirmale, AV., 2001. Use versatility of chitin and chitosan: A review. <i>Agriculture Reviews</i>, 22(1): 41-46.</p> <p>3. Phadke, G. G., Pagarkar, A. U., Sehgal, K. and Mohanta, K. N., 2011. Application of edible and biodegradable coatings in enhancing seafood quality and storage life: A review. <i>Ecology, Environment and Conservation</i>, 17 (3): 627-631.</p>

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D	Book Chapters	<p>1. Subramanian, S., Mohanta, K.N. and Komarpant, N., 2006. Importance of aquaculture in the sustainable marine fish production. In. R. Goankar, R.B.Patil and M.D.C. Rodrigues (ed), Fishes and Fisheries: Conservation and Sustainable Development. APH Publishing Corporation, Darya Ganj, New Delhi, India, 282 p.</p> <p>2. Mohanta, K.N., Subramanian, S. and Komarpant, N., 2009. Alternate carp species for diversification in freshwater aquaculture in India. Vedams eBooks (P) Ltd. Vardhaman Charve Plaza IV, Building # 9, K.P Block, Pitampura, New Delhi 110 034, India, pp. 167-176.</p> <p>3. Mohanta, K.N., 2011. Assessment of Importance of Live Food on Freshwater Ornamental Fish Farming. In: Evaluation and Impact Assessment of Technologies and Developmental Activities in Agriculture, Fisheries and Allied Fields. A.K.Roy (Ed), New India Publishing Agency, pp. 339-354.</p> <p>4. Mohanty, S.N., Rath, S.C., Giri, S.S. and Mohanta, K.N., 2011. Nutrition of Finfishes and Shellfishes. In: Handbook of Fisheries and Aquaculture (Published by DIPA, ICAR, New Delhi), 1116p.</p> <p>5. Mohanta, K.N., 2012. Plant feed resources of India. In: Invited papers on “Application of Solid State Fermentation Technology in Aquaculture” published by CIFA (ICAR), Bhubaneswar, Indian pp. 100-113.</p> <p>6. Sogbesan, O.A., Jayasankar, P. and Mohanta, K.N., 2012. Maize cob: A reliable co-energy sources in fish feed. In: Invited papers on “Application of Solid State Fermentation Technology in Aquaculture”, published by CIFA (ICAR), Bhubaneswar, India, pp. 118-128.</p>

<p>E</p>	<p>Technical Bulletins/ Folders/ Training Notes</p>	<ol style="list-style-type: none"> 1. Subramanian, S. and Mohanta, K.N., 1999. Rice-fish integration: A technology concept for adoption in Goa. Lecture notes for the Agriculture Officers of the State Agriculture Department on 11th June, 1999 at ICAR.Research Complex for Goa. Mimeo: 14p. 2. Subramanian, S., Manjunath, B.L. and Mohanta, K.N., 2000. Rice-fish integrated farming systems for low-lying fields. Technical Folder No. 24 of ICAR Research complex for Goa, Ela, Old Goa, Goa. 3. Mohanta, K.N., Subramanian, S. and Nirmale, AV., 2000. Ornamental fish farming. Training Notes for the KVK training conducted during March, 2000 at ICAR Research complex for Goa. Mimeo: 9p + 4 illustrations. 4. Joseph, I and Mohanta, K.N., 2007. Bibliography of Fish Nutrition Research in India. A manuscript prepared for publication by DIPA, ICAR, New Delhi. 5. Mohanta, K.N., Subramanian, S., Komarpant, N. and Nirmale, A.V., 2008. Breeding of gold fish. Technical Bulletin No. 16, ICAR Research Complex for Goa, Ela, Old Goa, Goa, 15 p. 6. S.C. Rath, Giri, S.S. and Mohanta, K.N., 2011. A Booklet on “Machha Chasa Pain Khadya” (in Oriya) (In English: Feed for Fish Culture), Booklet No. 3 (2011), CIFA, Bhubaneswar, 10p. 7. Rath.S.C., Mohanta, K.N. and Giri S.S., 2011. A Booklet on “Farm Made Fish Feeds”. Booklet No. 6 (2011), CIFA, Bhubaneswar, 10p. 8. Mohanta, K.N. and Subramanian, S., 2011. Technical Bulletin on “Nutrition of Common Freshwater Ornamental Fish” (Technical Bulletin No: 27, ICAR Research Complex for Goa, Old Goa, Goa, 55p). 9. Mohanta, K.N., 2011. Fish Nutrition and Feed. Training Manual of “Recent Advances in Freshwater Aquaculture” for the officials of State Fisheries Department, Government of Bihar , 15-20 June 2011, sponsored by National Fisheries Development Board, Hyderabad and organized by Central Institute of Freshwater Aquaculture, Bhubaneswar, 172p.
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Popular Articles

1. **Mohanta, K.N.** and Subramanian, S., 1997. Problems and prospects of freshwater prawn farming in India. *Fishing Chimes*, **17(9)**: 19-20.
2. **Mohanta, K.N.** and Subramanian, S., 1999. Ornamental fish farming: a multi-million dollar industry in India. *Seafood Export Journal*, **XXX (2)**: 29-31.
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4. **Mohanta, K.N.** and Subramanian, S., 1999. Vitamins: an essential components of fish feed. *Seafood Export Journal (Accepted)*
5. **Mohanta, K.N.** and Subramanian, S., 2000. Design and management of ornamental fish farm. *Indian Farmers Digest*, March, 2000, pp. 25-30.
6. **Mohanta, K.N.** and Subramanian, S., 2000. Water quality requirement for giant freshwater prawn. *Seafood Export Journal*, **XXXI (5)**: 7-9.
7. **Mohanta, K.N.** and Subramanian, S., 2001. Angel fish breeding and larval rearing. *Seafood Export Journal*, **XXXII (5)**: 13-17.
8. **Mohanta, K.N.** and Subramanian, S., 2001. Resource potential and fisheries development in Goa. *Fishing Chimes*, **21(5)**: 9-11.
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10. **Mohanta, K.N.**, Subramanian, S., Sahoo, B. and Majhi, S., 2002. Prospects of air-breathing fish culture in India. *Fishing Chimes*, **22 (7)**: 53-54.
11. Mishra, C.K., Das, B.K. and **Mohanta, K.N.**, 2003. Feed management in aquaculture, *Fish Farmers*, Surrey, UK, **26 (1)** : 16-17 and **26(2)** : 16-17.
12. **Mohanta, K.N.**, Subramanian, S., and Majhi, S.K., 2003. Pearlsport: a potential candidate species for brackish water aquaculture. *Infofish International*, Kua-Lalampur, Malaysia, **6** :18-20 (November-December, 2003).
13. **Mohanta, K.N.**, Subramaian, S. and Majhi, S.K., 2003. On fish vaccination. *Fishing Chimes*, **23 (7)**: 39-41.
14. Saurabh, S., Sushma,G.S., Choudhury, A.K. and **Mohanta,**

- K.N.**, 2004. Chromosome engineering in aquaculture. *Aqua-International*. 12(4): 15-18.
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 16. Saurabh, S., Rajesh, K., Singh, B and **Mohanta, K.N.**, 2005. Noda-virus infection of giant freshwater prawn, *Macrobrachium rosenbergii* (de Man). *Aqua-International*, 12 (10):26-27.
 17. Choudhury, A.K., Saurabh,S., Tripathy, S. and **Mohanta, K.N.**, 2005. The biosafety problems of transgenic fish. *Infofish International*, Kua-Lalampur, Malaysia, 1:20-22 (January-February, 2005 issue).
 18. Saurabh, S., Choudhury, A.K., Kumar, N., Biswas, G. and **Mohanta, K.N.**, 2005. HACCP approach for aquaculture products- Need of the hour. *Fishing Chimes*, 24(11): 46-48.
 19. **Mohanta, K.N.**, 2005. Present Status and Future Strategy in Giant Freshwater Prawn Farming in India. *Indian Farmers Digest*, **38 (6): 5-9.**
 20. Sethi, S.N., **Mohanta, K.N.**, Das, B.K., Mukherjee, S.C. and Soni, S., 2005. Responsible Fisheries and Sustainable Aquaculture-A Pledge for 21st Century. *Grow Fish-GAIN-Australia*, 1-19pp.
 21. Saurabh, S., Mishra, P. S., Gupta, S. K. and **Mohanta, K. N.**, 2005. Ciguatera fish poisoning- The name be difficult to remember. But if you get this disease you'll never forget it. *Aqua International*, 13 (4): 26-28.
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 23. Saurabh, S., Kumar, N. and **Mohanta, K.N.**, 2005. Marine ornamental shrimp aquaculture. *Aqua International*, **13 (8): 26-28.**
 24. **Mohanta, K.N.**, Subramanian, S. and Saurabh, S., 2006 Multiple uses of seaweeds. *Aqua International*, 13(12): 34-35.
 25. Saurabh, S., Kumar, N. and **Mohanta, K.N.**, 2006. Knowledge of behaviour changes in ornamental fish for successful aquarium keeping. *Aqua International*, **14 (1): 31-36.**
 26. Saurabh, S., Kumar, N., **Mohanta, K.N.** and Chakraborty, S.K.,

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27. Saurabh, S., Kumar, N., Choudhary, A.K, Kumar, V. and **Mohanta, K.N., 2007**. Parasitic diseases of cultured fishes – Method of their prevention and treatment. *Fishing Chimes*, 27(2):36-42.
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33. **K.N.Mohanta** and S.Subramanian, 2007. Mussel farming: An emerging and promising commercial enterprise for Goa. *Navhind Times* (Life Plus Section). Thursday May 24, 2007, p 15.
34. **Mohanta, K.N.**, Subramanian, S. and Komarpant, N., 2008. Alternate carp species for diversification of freshwater aquaculture in India. *Aquaculture Asia*, XIII (1): 11-15.
35. **Mohanta, K.N.** and Subramanian, S. (2008). Mastypaprakriya karyosaleche ayojan, *Gomantak Today* (Konkani). 23rd March 2008.
36. **Mohanta** and Subramanian (2008). A cruchy, flaky solution to waste. *Times of India*. 23rd March 2008.
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<p>G</p>	<p>Seminars/ Symposium/ Workshop/ Conference attended</p>	<p>1. Mohanta, K.N., 2007. Attended the Zonal Workshop on "Fisheries and Aquaculture Policy: Responsible Fisheries and Sustainable Aquaculture Perspectives for West Coasts of India". Organized by Central Institute of Fisheries Education, Mumbai in collaboration with ICAR Research Complex for Goa, Goa and Department of Fisheries, Government of Goa during 21-23 June 2007.</p> <p>2. Mohanta, K.N., 2007. Attended the Workshop on "Indian Estuaries" held at National Institute of Oceanography, Goa on 25th June, 2007.</p> <p>3. Mohanta, K.N., 2007. Participated in the Workshop on "Intellectual Property Rights for Public R and D Institutions" organized by European Union-India Trade and Investment Development Programme (TIDP) organized by National Institute of Oceanography, Goa and Goa University, Goa during 12-13 March, 2007.</p> <p>4. Mohanta, K.N., 2007. Participated in the Seminar on "Current Trends in Drinking Water and Waste Water Analysis" organized Merck Specialities Private Limited, Mumbai on 3rd March, 2007 at Hotel Fidalgo, Panjim, Goa, India.</p> <p>5. Mohanta, K.N., 2007. Participated in the International</p>

- Symposium on "New frontier in Marine Natural Product Research" held at NIO, Dona Paula, Goa, India on 23rd February, 2007.
6. **Mohanta, K.N., 2006.** Participated in the "International Symposium on Sustainable Fisheries Development for Food and Health Security" organized by College of Fisheries, KVAFSU, Mangalore and College of Fisheries Alumni Association, Mangalore, India during 20-21 December, 2006.
 7. **Mohanta, K.N., 2005.** Attended the Workshop on **Marine Biodiversity and Bioinformatics at NIO, Goa** during 5-6th December 2005.
 8. **Mohanta, K.N., 2005.** Regional Seminar on "Antarctica Research: An Emerging Science", Organized by Zoological Forum, PES College, Ponda and National Centre for Antarctica and Ocean Research, Headland Sada, Vasco, Goa during 21- 22nd August, 2005 at PES College, Farmagudi, Ponda.
 9. **Mohanta, K.N., 2003.** Attended "National Workshop Cum Training Programme on Application of Bioinformatics and Statistics in Aquaculture", 4-7 February, 2003 held at CIFA, Bhubaneswar.
 10. **Mohanta, K.N., 2002.** Attended "National Workshop on Continuing Medical Education in Immunology" conducted by the Regional Medical Research Centre (ICMR), Bhubaneswar on 26th November, 2002 on the eve of XXIX Annual Meeting of the Indian Immunology Society.
 11. **Mohanta, K.N., 2000.** Summer Institute on "Aquaculture Biotechnology", Sponsored by Department of Biotechnology, Government of India, held at Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar, Orissa during 12th June- 3rd July, 2000.
 12. **Mohanta, K.N., 2001.** National Symposium on "Fishery Technologies and their Commercialization" held at Central Institute of Fisheries Education during 11-12th January, 2001.
 13. **Mohanta, K.N., 2000.** Workshop on "Sustainable Fishery Management in Goa" held at National Institute of Oceanography, Dona Paula, Goa during 11-12th October, 2000.

14. **Mohanta, K.N., 2007.** Presented a paper on "**Changing need of fish nutrition research in India**" in the Nutrition Network meeting organized by DDF (Fishery), ICAR New Delhi at NAAS Complex, Pusa, New Delhi during 21-22 August, 2007.
15. **Mohanta, K.N., 2008.** Attended "**Brain Storming Meet on Aquaculture 2025: Challenges and Opportunities**" organized by Central Institute of Freshwater Aquaculture, Bhubaneswar and Association of Aquaculturists, Bhubaneswar on 07-08 June 2008 and deliberated in the discussion
16. **Mohanta, K.N., 2008.** Attended the workshop on "**Idea Generation in Aquaculture Biotechnology**" organized by CIFE, Mumbai during 28-29 August 2008 (Sponsored by Department of Biotechnology, Government of India, New Delhi) and presented a paper on "**Research need on fish nutrition in relation to biotechnology**".
17. **Mohanta, K.N., 2011.** Attended the "**National Workshop on Portable FRP Carp Hatchery Technology**" held at CIFA, Bhubaneswar during 11-13th July, 2011.
18. **Mohanta, K.N., 2011.** Attended the "**International Brainstorming Meet on Recent Advances of Fish Reproductive Physiology**" held at CIFA, Bhubaneswar on 16th August, 2011.
19. **Mohanta, K.N., 2011.** Attended the "**National Workshop and Stakeholders Meet on Fish Feeds**" held at CIFA, Bhubaneswar during 1-2 November, 2011.
20. **Mohanta, K.N., 2012.** Attended the "**99th Indian Science Congress**" held at KIIT University, Bhubaneswar during 3-7 January, 2012.
20. **Mohanta, K.N., 2012.** Attended the "**National Workshop on Aquaculture: Fish for Billion**" organized by CIFA, Bhubaneswar during 16-17 March 2012
21. **Mohanta, K.N., 2012.** "**National Consultation and Stakeholder Workshop**" held at CIFA, Bhubaneswar on 30th January 2012.

Editor of the books/ reports/ documents

1. "CIFA Vision 2030" (Edited by P. K. Mukhopadhyay, P. Das, B.R. Pillai, P. C. Das, **K.N. Mohanta**, H.K. De, M. Samanta, N.K. Barik and P.L. Lalrinsanga), 2011, 34 p..
2. A book on "CIFA: 25 Years of Freshwater Aquaculture Research" (Editors: P.K. Sahoo, J. Mohanty, P.C. Das, **K.N.Mohanta** and N.K.Barik), 2012, 195p.
3. Proceedings of "National Workshop and Stakeholder Meet on Fish Feeds" (Editors: **K.N.Mohanta**, S.C.Rath, Ashish Saha, B.N.Paul, S.K.Sahoo and S.S.Giri), 2012, 20p.
4. Proceedings of the "International Brainstorming Meet on Recent Advances in Fish Reproductive Physiology" (Editors: Ashis Saha, S.C.Rath, **K.N.Mohanta**, C. Devaraj, S.S. Giri), 2012, 24p.
5. "Nutrition of Common Freshwater Ornamental Fishes" (Editors: **K.N.Mohanta** and S. Subramanian), Technical Bulletin No., 27, 2011, ICAR Research Complex for Goa, Goa, 55p.
6. A book on "Application of Solid State Fermentation Technology in Aquaculture" (Editors: O.A. Sogbesan, **K.N.Mohanta**, P.K.Sahoo, G. Mitra and P. Jayasankar), 136p.
7. Proceedings pf "National Consultation and Stakeholders Meet for Developing XIIth Five Year Plan of CIFA" (Editors: N.K.Barik, **K.N.Mohanta**, S. Adhikari and P. Jayasankar), 2012, 20p.
8. A book on "Feed Ingredient Resources and Farm Made Aquafeeds in India" (Editors: S.N.Mohanty, **K.N.Mohanta**, S.C.Rath, A. Ali and S.S. Giri), 2012, 78p (In Press).
9. "Farm Made Fish Feeds" (Editors: S.C. Rath, **K.N. Mohanta**, and S.S. Giri), Booklet No. 6, CIFA, Bhubaneswar, 2011, 10p.
10. "Machha Chasa Pain Khadya" (in Oriya) (In English: Feed for Fish Culture) (Editors: (S.C. Rath, **K.N. Mohanta**, and S.S. Giri), Booklet No. 3, CIFA, Bhubaneswar, 2011, 10p.
11. Breeding of Goldfish (Editors: **K.N. Mohanta**, S. Subramanian, N. Komarpant and A.V.Nirmale), Technical Bulletin No. 16, 2008, ICAR Research Complex for Goa, Ela, Old Goa, Goa, 15 p.
12. Rice-fish Integrated Farming Systems for Low-lying Fields (Editors: S.Subramanian, B.L. Manjunath and **K.N. Mohanta**, 2000), Technical Folder No. 24, 2000, ICAR Research complex for Goa, Ela, Old Goa, Goa, 12p.
13. Bibliography of Fish Nutrition Research in India (Compiled by **K.N.Mohanta** and I. Joseph), 65p, 2008.

	<p>14. A Technical Note on Ornamental Fish Farming (Prepared by K.N.Mohanta, S. Subramanian and A.V. Nirmale), ICAR Research Complex for Goa, 1999, 13p.</p>
<p>Seminar/ Symposium/ Workshop, etc., organized</p>	<ol style="list-style-type: none"> 1. Organized “Shrimp Farmers Meet” at Benaulim, Goa on 23rd February, 2006 in collabotation with Brackishwater Fisheries Development Agency, Government of Goa, Goa. 2. Organizeed a workshop on “Marine Fishery Resources and Exploitation Along Goa Coast” at Brittona Riverside, Brittona, Bardez, Goa on 21st February, 2006 in collaboration with Fishery Survey of India, Margao Zonal Base, Goa. 3. Organized Zonal Workshop on “Fisheries and Aquaculture Policy: Responsible Fisheries and Sustainable Aquaculture Perspectives for West Coasts of India” in collaboration with Central Institute of Fisheries Education, Mumbai in collaboration and Department of Fisheries, Government of Goa during 21-23 June 2007. 4. Conducted three days training-cum-workshop on “Value addition of diversified fish/prawn products” organized by the Fishery Science Section of the Institute in collaboration with Central Institute of Fisheries Institute, Mumbai and KVK of the Institute during 21-23rd February, 2007. 5. Organized a three days training-cum-workshop for the farmers, entrepreneurs and extension functionaries on “Value added and specialty fish/ prawn products” in collaboration with CIFT, Kochi; KVKs, North and South Goa and BFDA, Goa in March 2008. 6. Organized the “Brackishwater Aqua Farmers Meet” in collaboration with CIBA, Chennai at ICAR Research Complex for Goa, Goa, on 25.11.2009. 7. Helped as Local Organizer for the “Expert Consultation on Marine Biotechnology and Biodiversity Conservation” organized by National Bureau of Fish Genetics Reseach, Lucknow on 21-22 April 2910. 8. Organising Secretary, “National Workshop and Stakeholders Meet on Fish Feeds” held at CIFA, Bhubaneswar, India during 1-2 November 2011. 9. Co-organizing Secretary, “International Brainstorming Meet on Recent Advances of Reproductive Physiology” held at CIFA, Bhubaneswar, India on 16th August 2011. 10. Organising Secretary, “Application of Solid State Fermentation Technology in Aquaculture” at CIFA, Bhubaneswar, India on 29th May 2012.

Training programmes organized

Title of the training programme	Year	Duration	Number of beneficiaries	Coordinator/ associated
Training on site selection, fish farm designing and construction of fish based integrated farming system	1998	2 days	30	Associated and served as a resource person
A training programme on "Rice-fish integration: a technology concept in Goa" .	11 th June, 1999	1 day	20	Associated
Training on "Aquarium fish rearing and fabrication of aquarium tanks"	13-14 March, 2000	2 days in each time	20	Coordinated and served as a resource person
	29-30 January, 2001		10	
	2-3 March, 2001		20	
Training programme on "Commercial Fish Farming Technologies in India" in collaboration with Brackishwater Fisheries Development Agencies, Directorate of Fisheries, Government of Goa at Saint Xavier College, Mapusa, Goa	19-27 th February, 2008	8 days	45	Coordinated and served as a resource person.
Training programme was organized on "Ornamental fish rearing and aquarium management"	28-29 March, 2007	2 days	40	Coordinated and served as a resource person

Training-cum-lecture on " Economically viable fish farming technologies " for the Scientists-Extension Workers-Farmers interphase meeting	16 th July 2007	1 day	50	Associated and served as a resource person
Training on " Diversified fish products "	21-23 rd February 2008	3 days	26	Coordinated in collaboration with BFDA, Goa
Training on " Prospect of mussel culture in Goa "	20 th February 2008	1 day	40	Associated with BFDA, Government of Goa and served as a resource person
Training programme cum workshop on " Alternative to Brackishwater Shrimp Culture " organized by Brackishwater Fisheries Development Agency and Goa Chambers of Commerce and Industries held at Goa Chambers of Commerce and Industry, Panaji	27.03.2008	1 day	50	Coordinated with BFDA, Government of Goa.
Workshop cum training programme on " Value addition of diversified fish products ".	21-23 rd February, 2007	3 days	26	Organized in collaboration with Harvest and Post-Harvest Division of CIFE, Mumbai and Home Science Wing of KVK, ICAR Research Complex for Goa
Training Cum Workshop on " Value added fish and specialty products ".	11-13 th March 2008	3 days	30	Coordinated and organized in collaboration with CIFT, Kochi
Training on " Farm made fish feed preparation and	18 th June 2010	1 day	16	Coordinated

demonstration” to the farmers at Puba, Puri district, Orissa				
Training on “ Farm made fish feed preparation and demonstration ” and “ Integrated farming system of fish and live stock ” to the farmers at Narijanga, Cuttack district, Orissa	20 th July 2010	1 day	40	Coordinated and the training was conducted in collaboration with CRRI, Cuttack
Training on “ Farm made fish feed preparation and its use ” to the farmers at Betnoti, Mayurbhanj district, Orissa	2 nd November 2010	1 day	46	Coordinated and the training was conducted in collaboration with Dhan Foundation (a local NGO involved in agriculture development in that region)
Training on “ Farm made fish feed and its use ” to the farmers at Goa, Puri district, Orissa	9 th March 2011	1 day	71	Coordinated
Training programme on “ Fish Nutrition and Feeding of Fish ” to the farmers at Indol Kusiary, Puri	28 th April 2012	1 day	200	Coordinated
Training on “ Farm Made Feed Preparation and Feeding of Fish ” to the farmers at Rajkanika, Kendrapara District, Orissa in collaboration with National Agricultural Bank for Rural Development, Bhubaneswar	26 th June 2012	1 day	50	Coordinated
Training on “Personality Development and Softskills”	16 th -19 th JULY 2012	4 days	20	Organized under the HRD programme of

for the Scientists and the Technical Officers of CIFA, Bhubaneswar				the Institute.
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Research project handled		
Title of the project	Budget (in Lakh INR)	Funding agency
1) Formulation of low-cost feed for fish and shellfish using locally available feed ingredients (Principal Investigator: PI).	19.24	ICAR, New Delhi (Institute based)
2) Nutrient requirement, feed formulation and raising of broodstock of commonly (PI).	33.46	ICAR, New Delhi (Institute based)
3) Use of neem-based pesticides in the eradication of weed and predatory fishes (as Co-PI)	---	ICAR, New Delhi (Institute based)
4) Rice freshwater prawn integrated culture (as Co-Principal Investigator: Co-PI).	---	ICAR, New Delhi (Institute based)
5) Production enhancement studies under rabbit-fish integrated system (Co-PI)	---	ICAR, New Delhi (Institute based)
6) Studies on culture production of live-feeds, <i>Spirulina</i> and <i>Moina</i> and evaluation for feeding important ornamental fishes (Co-PI).	11.70	ICAR, New Delhi (Institute based)
7) Digitalized database of aquatic and fisheries resources for Goa (Co-PI).	6.50	ICAR, New Delhi (Institute based)
8) Freshwater ornamental fish seed production (Co-PI).	14.42	ICAR, New Delhi (Institute based)
9) Outreach activity on fish feed (as Co-PI)	103.6	ICAR, New Delhi (Institute based)

10) Use of non-conventional fish feed ingredients (as Co-PI)	30.07	ICAR, New Delhi (Institute based)
11) Multi-species farming of major and medium carps for diversification and production enhancement (as Co-PI)	35.0	ICAR, New Delhi (Institute based)
12) Assessment on compensatory growth and its chemical and biochemical changes in carp due to restricted feeding and refeeding (as PI)	36.30	ICAR, New Delhi (Institute based)
13) Prevalence and persistence of public health significance from the culture and capture fisheries environment	38.9	ICAR, New Delhi (Institute based)
14) Agro-eco-tourism: Promotion and popularization	15.1	ICAR, New Delhi (Institute based)
15) Survey, quantification, conversion and utilization of fish by-catch and processing wastes as feed ingredients for formulation of nutritionally balanced cost-effective fish diets	6.25	ICAR, New Delhi (Institute based)
16) Colour development in freshwater ornamental fish through dietary and environmental interventions.	18.35	ICAR, New Delhi (Institute based)
17) Study on the present status of mussel resources, their production methods, nutrient composition and market in Goa.	13.75	ICAR, New Delhi (Institute based)
18) Performance of stunted growth carp fingerling and estimation of compensatory growth under laboratory and field condition.	35.5	ICAR, New Delhi (Institute based)

Infrastructure developed

A. Works

1.	Fisheries Field laboratory-2 Nos.
2.	Ornamental fish hatchery unit with 16 Nos. cements tanks (500 l capacity)
3.	Ornamental fish breeding unit with 36 Cements tanks (300 l capacity)
4.	Stone pitching of fish ponds
5.	Fish rearing tanks (FRP): 100 Nos.
6.	Fish rearing tanks (Cement cistern): 10 Nos. (Under construction)
7.	Multipurpose big volume tanks: 6 Nos.
8.	Open well
9.	Bio-filtration unit
10.	Pump house
11.	Flow through system
12.	Over head tank for Fishery Unit
13.	Store room (First)
14.	Store room (Second)
15.	Store room (Third)
16.	Water distribution system to fish rearing tanks
17.	Air distribution to fish rearing tanks
18.	Water and air supply to all field laboratories
19.	Electricity supply to all fish ponds
20.	Furnishing of New Wing of Fish Nutrition and Physiology Division, CIFA, Bhubaneswar

B. Equipments

1.	Water analysis kit with spectrophotometer
2.	Feed analysis unit with digestion, distillation and titration facility
3.	Feed grinder
4.	Feed pelletizer
5.	Microscope (phase contrast)
6.	Dissolved oxygen meter
7.	pH meter
8.	Air blowers; 6 Nos
9.	Air injector: 2 Nos.
10.	Glass aquaria: 50 Nos.
11.	Battery pump
12.	Fully automatic Soxhelt extraction Unit for fat estimation
13.	Fully automatic Kjeldahl unit for
14.	Fully automatic Fibretec for fibre estimation
15.	BOD incubator
16.	Mechanical shaker
17.	UV-Vis Spectrophotometer
18.	Deep freeze
19.	High speed Centrifuge
20.	Hot air oven
21.	Muffle furnace
22.	Electronic balance: 3 No
23.	Digital titrator

24.	Low temperature refrigerator: 2 Nos
25.	Rotary vaccum evaporator
26.	Water bath with shaking arrangement
27.	Digital vernier calipers
28.	Setting up of “National feed testing laboratory” in CIFA, Bhubaneswar
29.	Procurement of new feed mill under out reach activity in CIFA, Bhubaneswar

<p>Membership of Professional Societies/ Bodies</p>	<ol style="list-style-type: none"> 1. Life Member of the “Indian Fisheries Association (Journal of Indian Fisheries Association)”, Central Institute of Fisheries Association, Versova, Mumbai-400 061, India. 2. Life Member of the “Association of Aquaculturist, (Journal of Aquaculture)”, Central Institute of Freshwater Aquaculture, Kauslyaganga, Bhubaneswar-751 002, Orissa, India. 3. Life Member of the “Inland Fisheries Society of India (Journal of Inland Fisheries Society of India)”, Central Inland Fisheries Research Institute, Barrackpore-743 101, West Bengal, India. 4. Life Member of the “Fisheries Technologist of India (Journal of Fishery Technology)”, Central Institute of Fisheries Technology, Cochin, India. 5. Life Member of the “The Bioved Research Society”, Allahabad, India. 6. Member, Indian Science Congress, Kolkata, India.
<p>Extracurricular activities</p>	<p>Swimming champion during B.F.Sc.</p> <p>Winner 800 m and 1500 m race during B.F.Sc.</p> <p>Badminton Champion during B.F.Sc</p> <p>1st in Oriya Essay Competition during B.F.Sc.</p> <p>2nd in General Knowledge Competition during B.F.Sc.</p> <p>3rd in English Essay Competition during B.F.Sc.</p> <p>Attended Inter-University NSS Camp held at Berhampur University, Bhanjabihar, Ganjam, Orissa.</p> <p>2nd in Hindi Talk Competition at ICAR Research Complex for Goa (1999)</p>

