

**Name** : **Dr. H. N. ANJANAYAPPA**

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**Designation** : **PROFESSOR**

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**Qualification** : M.F.Sc., Ph.D.

**Experience** : **27 Years**

**Professional** : Teaching

**Students guidance**

**M.F.Sc.** : **14**

**Ph. D.** : **7**

**Membership in Professional Associations**

- Member of Indian Association of Aquatic Biologists (IAAB), Hyderabad
- Member of Professional Fishery Graduates Forum, CIFE, Mumbai
- Member of Alumni Association of College of Fisheries, Mangalore



## Experience at the University/ Institution level:

Sl. No.	University/ Institution	Post	From	To
1.	College of Fisheries, Mangaluru, KVAFSU, Bidar	Professor and Head Department of Fisheries Resources and Management	31-07-2019	Till date
2.	College of Fisheries, Mangaluru KVAFSU, Bidar	Head Estate Branch	01-08-2019	Till date
3.	College of Fisheries, Mangaluru KVAFSU, Bidar	Professor and Head Department of Fisheries Resources and Management	31-08-2016	03-03-2018
4.	College of Fisheries, Mangaluru KVAFSU, Bidar	Head Extension Education Center (EEC)	13-07-2010	11-11-2011
5.	Professor and Head Department of Fisheries Resources and Management	HOD	31-07-2019	Till date
6.	Professor and Head Department of Fisheries Resources and Management	HOD	31-08-2016	03-03-2018
7.	Head, Estate Branch, College of Fisheries, Mangaluru	HOD	01-08-2019	Till date
8.	Extension Education Center (EEC), College of Fisheries, Mangaluru	HOD	13-07-2010	11-11-2011
9.	Library, College of Fisheries, Mangalore	Deputy librarian	14-02-2008	13-02-2009
10.	Chief PG Coordinator and Forming of Time Table and Examination Schedules	College of Fisheries, Mangalore	Academic year 2018-19 (1 Year)	
11.	Scrutiny of UG and PG Semester Grades	College of Fisheries, Mangalore	2011-12 to 2012-13 (1 Year)	
12.	Scrutiny of UG and PG Semester Grades	College of Fisheries, Mangalore	2016-17 to 2017-18 (1 Years)	
13.	Fisheries Science	Agricultural Scientists Recruitment Board (ASRB)	24-07-2013	

14	Fisheries Science	Agricultural Scientists Recruitment Board (ASRB)	03-12-2020	
15	Assistant Registrar	College of Fisheries	26-07-2018 To 24-09-2019 (1 Year 2 Months)	
16	Assistant Co-ordinator of Examinations	College of Fisheries, Mangalore	09-02-2016 To 08-03-2019 (3 Years)	
17	Coordinator of SCSP/TSP	College of Fisheries, Mangalore	20-08-2014 To 26-07-2018 (3 Years 11 Months)	
18	Member ICAR SCSP/TSP	College of Fisheries, Mangalore	30-10-2021 To Till date (4 months)	
19	Estate Branch In charge	College of Fisheries, Mangalore	01-08-2019 To Till date (2 Years 6 Months)	
20	Member, formation of Fisheries University by The Government of Karnataka	College of Fisheries, Mangalore	01-12-2021 To Till date (3 Months)	
21	Formulation of Academic Information and Regulations, Member & Convener	College of Fisheries, Mangalore	Academic Year 2018-2019 (1 Year)	
22	Academic Information and Regulations, Member	College of Fisheries, Mangalore	Academic Year 2021-22 (1 Year)	
23	Expert on selection Committee for Professors	College of Fisheries, Nagpur, MAFSU*	Academic Year 2017-18 (1 Year)	
24	Expert on selection Committee for Professors	CSAUA& T*, Kanpur	Academic Year 2019-20 (1 Year)	
25	Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar	Member, Academic Council	17-07-2014	17-07-2016

## Major research project:

Sl. No.	Title of the project	Project expenditure (Rs. in Lakh)	Granting/ funding agency	Date of commencement	Date of completion
1.	Influence of Oceanographic Parameters on Plankton Assemblage and Pelagic Fisheries using Satellite data along the Coast of Dakshina Kannada and Udupi Districts of Karnataka	60.17	INCOIS, Hyderabad, Government of India	April 2013	March 2017
2.	Utilization of seasonal water body for Aquaculture in Chamaraajnagar	19.11	KWDP-II (Sujala-3), Government of India	March 2016	December 2020
3.	Study on threatened category of ornamental fish trade in and around Mangaluru, Dakshina Kannada with special reference to their conservation status	0.50	KVAFSU, Bidar	October 2019	March 2021
4.	Reproductive biology of the Pearl spot, <i>Etroplus suratensis</i> and its Fishery with a note on the Socio-Economic status of fisherfolk along Mulky estuary	0.10	KVAFSU, Bidar	July 2008	July 2009
5.	Fishery and biology of the Mullet, <i>Liza tade</i> (Forsk.) from Mulki estuary(As PI)	0.10	KVAFSU, Bidar	July 2008	July 2009

## Awards:

1. Dr. APJ Abdul Kalam Life Time Achievement National Award for contributions to the development in the field of Teaching, Research publications from Krist Foundation (R), Bengaluru in the year 2018
2. Received a certificate of excellence from the office of the Chief Executive Officer, Brakish water Fish Farmers Development Agency for arranging 15 days Scientific Shrimp Farming Training Programme. I have participated in the training programme as a resource person,
3. Received a certificate of Merit from the Dean and Course Director, Tamilnadu Veterinary and Animal Sciences University, Fisheries College and Research Institute, Thoothukudi, in the ICAR sponsored Summer school on Advanced Fish Taxonomical Methods for Fisheries Professionals from 04-09-2006 to 26-09-2006.
4. Received a certificate of Acknowledgement of Special Thanks, in view of The Golden Jubilee 'Fishco Marathon-Run for Fish' organized by the College of Fisheries, Mangalore on 22-11-2018.

## Popular articles/manuals/leaflets

Sl. No.	Type of research article	Published number
1	Scientific articles	41
2	Course manuals	2
3	Leaflets	4

## Details of published books:

Sl. No.	Title of the Book	Name of the Publisher	Institutions where referred for study
1.	Taxonomy of Shellfish	e-courses developed under the NAIP Project	e-courses for BSc. Degree programme. All Fisheries Colleges of India
2.	Taxonomy of fin fish	e-courses developed under the NAIP Project	e-courses for BSc. Degree programme. All Fisheries Colleges of India

## Research publications :

### 2006:

1. Rajanna K. B., Benakappa, S. and Anjanayappa, H. N., 2006. Length –Weight Relationship and Relative Condition Factor of *Megalaspsis cordyla* (Linnaeus) from Mangalore Coast. *Environment & Ecology* **24 S** (3): 670-672.
2. Rajanna, K.B., Benakappa, S. and Anjanayappa, H. N., 2006. Food and feeding habits of the Horse mackerel *Megalaspsis cordyla* (Linnaeus) from Mangalore Region. *Environment & Ecology* **24 S** (3):676-679.

### 2007

3. Nagarathna, R., Benakappa, S., Anjanayappa, H. N., and Shivappa, M. U., 2007. Length –weight relationship and relative condition factor of *Saurida gracilis* (Quoy and Gaimard) from Mangalore coast. *Environment & Ecology* **26** (2):640-642.

### 2008

4. Anjanayappa, H. N., Shivaprakash, S. M., Benakappa, S., Krishana Bhat, C. H., Shivappa, M. U. and Rajanna, K. B., 2008. Food and feeding habits of the mullet, *Liza macrolepis* (smith) from Mangalore Region. *Environment & Ecology*. **26** (2):584-587.

### 2009

5. Anjanayappa, H. N., Shivaprakash, S. M., Benakappa, S., Somashekara, S. R., Mridula Mendon, R. and Shivappa, M. U., 2009. Length –Weight Relationship and Relative Condition factor of Mullet, *Liza macrolepis* (smith) from Mangalore Waters, *Environment & Ecology*. **27** (2):557-559

### 2010

6. Somashekara, S. R., Shivaprakash, S. M., Anjanayappa, H. N., Benakappa, S., Kamalesh Panda and Srinivas Hulkoti H., 2010. Length –Weight relationship and Relative condition factor of Grey mullet, *Liza melinoptera* (Velanciennes) from Mangalore Waters. *J. Aqua. Biol.*, **25**(2):118-122.

### 2011

7. Somashekara, S. R., Shivaprakash, S. M., Benakappa, S., Anjanayappa, H. N., Srinivas Hulkoti H. and Kamalesh Panda, 2011. Food and feeding habits of the grey mullet, *Liza melinoptera* (Velanciennes) from Mangalore Waters. *Ecology and Fisheries*. **4** (1):1 – 8.
8. Anjanayappa, H. N., Benakappa, S., Somashekara, S. R., Shivaprakash, S. M., Kamalesh Panda and Kishor. K. T., 2011. Breeding periodicity of the mullet, *Liza macrolepis* from Mangalore waters *Proceeding of the National Seminar on Biodiversity Conservation and Management of Aquatic Resources (NSBCMA) 2010*.
9. Anjanayappa, H. N., Benakappa, S., Somashekara, S. R., Shivaprakash, S.M., Kamalesh Panda and Kishor. K.T., 2011. Length- Weight relationship and relative condition factor of *Priacanthus hamrur* off Mangalore coast *Proceeding of the National Seminar on Biodiversity Conservation and Management of Aquatic Resources (NSBCMA)2010*.
10. Anjanayappa, H. N., Benakappa, S., Somashekara, S. R., Shivaprakash, S. M., Kamalesh Panda and Kishor, K.T., 2011. Population dynamics of pink perch, *Nemipterus mesoprion* from Mangalore Waters *Proceeding of the National Seminar on Biodiversity Conservation and Management of Aquatic Resources (NSBCMA)2010*.
11. Rajesh, D. P., Benakappa, S., Anjanayappa, H. N., Shivaprakash, S. M., Mallesh and Prakash, D. P., 2011. Length –Weight Relationship and Relative Condition Factor of *Nemipterus japonicus* (Bloch) from Mangalore Waters *Environment & Ecology* **29** (4A): 2169-2171.

**2012**

12. Rajanna, K.B., Benakappa, S., Anjanayappa, H.N., Mallesh and Honnananda, B.R., 2012. Maturation and spawning of the Horse mackerel *Megalaspis cordyla* (Linnaeus) from Mangalore Waters. *Environment & Ecology* **30** (1): 41 – 44.
13. Viswanath, B.S., Munireddy, R., Anjanayapp, H.N., Vijay, A.R., Devivaraprasad Reddy and Manjunatha Reddy, A., 2012. Fish Supply Chain Management in Karnataka. *Journal of Inter Acadcia*, **16**(4): 938-945.
14. 14 A.S., Kumar Naik., Jitendra Kumar, S.R., Somashekara, S., Benakappa, **H.N., Anjanayappa**, Mahesh, V and Shrinivas H.Hulikoti., 2012. Ichthyofaunal Biodiversity of Tunga Reservoir (Gajanoor Dam), Karnataka (India). *Bull. Env. Pharmacol Life Science*, **1**(11):35-40

**2013**

15. Anjanayappa, H.N., Benakappa, S., Shivaprakash, S.M., Somashekara, S.R., Kumar Naik, A.S. and Jitendra Kumar., 2013. Length-Weight Relationship and Relative Condition Factor of *Priacanthus hamrur* off Mangalore Coast, India. *J. Exp. Zool. India*, **16** (2):475-479.
16. Anjanayappa, H.N., Benakappa, S., Shivaprakash, S.M., Somashekara, S.R., Kumar N.A.S., Jitendra Kumar and Mahesh, 2013. Breeding periodicity of the Mullet, *Liza macrolepis* from Mangalore Waters. *Trends in Biosciences*, **6**(2): 170 - 173.
17. Rajesh, D.P., S. Benakappa, H.N. Anjanayappa, S. R. Somashekara, A.S. Kumar Naik, Jitendra Kumar., 2013. Maturation and spawning of the threadfin bream *Nemipterus japonicus* (Bloch) along Mangalore Coast. *Trends in Biosciences*. **6** (5) :617 -621.
18. Kumar Naik A.S., Benakappa, S., Somashekara, S.R., **Anjanayappa, H.N.**, Jitendra Kumar., Mahesh and Shrinivas H. Hulikoti., 2013. Studies on Ichthyofaunal Diversity of Karanja Reservoir, Karnataka, India. *International Research Journal of Environment Science*, **2**(2):1-5.
19. Kumar Naik, A.S., Somashekara, S.R., Jitendra Kumar., Mahesh, V., Benakappa, S., **Anjanayappa, H.N.** and Nayana, P., 2013. Assessment of fish biodiversity in upper Mullamari reservoir, Basavaklyan, Karnataka (India). *International Journal of Fisheries and Aquaculture Sciences*, **3**(1):13-20.
20. Munireddy, R., Viswanath, B.S., Anjanayapp, H.N., Manjunathareddy, A and Chinnappareddy, B.V., 2013. Consumer preferences for Myctophids using conjoint analysis. *Journal of Inter acadcia* **17**(1):180-187.
21. Hulikoti, S.H., Shivaprakash, S.M., Anjanayappa, H.N., Somashekara, S.R., Benakappa, S., A.S., Kumar Naik, L., Ganesh Prasad, Kamallesh Panda and Jitendra Kumar., 2013. Breeding Biology of Mackerel, *Rastrelliger kanagurta* (Cuvier) from Mangalore Region. *Environment and Ecology*, **31**(2A): 683-688.
22. Hulikoti, S.H., Shivaprakash, S.M., Anjanayappa, H.N., Somashekara, S.R., Benakappa, S., A.S., Kumar Naik, L., Ganesh Prasad, and Jitendra Kumar., 2013. Food and Feeding Habits of Mackerel, *Rastrelliger kanagurta* (Cuvier) from Mangalore Region. *Environment and Ecology*, **31**(2A): 672-675.
23. Hulikoti, S.H., Shivaprakash, S.M., Anjanayappa, H.N., Somashekara, S.R., Benakappa, S., A.S., Kumar Naik, L., Ganesh Prasad and Jitendra Kumar., 2013. Length-Weight Relationship of *Rastrelliger kanagurta* (Cuvier) from Mangalore Region. *Environment & Ecology*, **31**(2A): 676-678.

**2014**

24. Mahesh, V., Benakappa, S., Dineshbabu, A.P., Anjanayappa, H.N., Kumar Naik, A.S., Vijaykumar, M.E., Somashekara, S.R. and Jitendra Kumar., 2014. Finfish constituents of trawl low value by-catch off Mangalore. *J. Exp. Zool. India* **19** (2):479-485.

**2015**

25. D. P. Rajesh, S. Benakappa, S. M. Shivaprakash, P. S. Swathi Lekshmi, H. N. Anjanayappa, S. R. Somashekara, M. Sureshaadiga, B. T. Naveen Kumar and D. P. Prakasha., 2015. Indigenous Technical Knowledge and Ancient Proverbs of the coastal fisher folk of Dakshina Kannada and their implications. *Life Science Bulletin*. **12** (2) : 197 - 200.
26. Jitendra Kumar, S. Benakappa, Dineshbabu, A.P., Anjanayappa, H.N., Somashekara, S.R., Kumar Naik A.S. and Mahesh, V., 2015. Marine ichthyofaunal biodiversity in the trawling grounds off Mangalore coast. *Indian Journal of Geo-Marine Sciences*.. **46**(6): 879-885.
27. Manjappa, N., Basavaraja N., and Anjanayappa, H.N., 2015. Reproductive Biology of Estuarine Whiting, *Sillago vincent* (Mckay,1980). *J. Aqua Trop.*, **30**(1-2): 95-110.
28. Rajanna K B\*, Anjaneyappa H N, Benakappa S, Chethan N, Reddy H. R .V, Somashekar S.R, Prabhudeva K.N, Basavaraju Y and Muttappa K. 2015. Food and feeding habits of fringe lipped carp, *Labeo fimbriatus* (bloch) of the Vanivilas Sagar reservoir of Karnataka. *International Journal of Recent Scientific Research*. **6**(4); 3431-3434. <http://www.recentscientific.com>

**2016.**

29. D. P. Rajesh, N. D. Ravi Kumar, H. N. Anjanayappa, S. Benakappa and A. S. Kumar Naik., 2016. Breeding biology of *Otolithes ruber* (BLOCH & SCHNEIDER, 1801) from Mangalore Coast. *J. Exp. Zool. India* **19** (2) : 757-762.
30. N. D. Ravi Kumar, D. P. Rajesh, H. N. Anjanayappa, S. Benakappa, S. R. Somashekara, B. T. Naveen Kumar and Harsha Nayak., 2016. Length-weight relationship and relative condition factor of *Otolithes ruber* (BLOCH & SCHNEIDER,1801) from Mangalore Coast. *National Journal of Life Science*, **13** (1) : 71 - 72.
31. Harishchandra Jadhav, D. P. Rajesh, H. N. Anjanayappa, S. Benakappa and Mansing Naik., 2016. Food and Feeding habits of *Loligo duvauceli* from Mangalore Coast. *J. Exp. Zool. India* **19** (2) : 1023 – 1025.
32. Harishchandra Jadhav, D. P. Rajesh, H. N. Anjanayappa, S. Benakappa and Mansing Naik., 2016. Length – weight relationship and relative condition factor of *Loligo duvauceli* from Mangalore Coast. *J. Exp. Zool. India*. **19** (2) : 999 -1001.

33. D. P. Rajesh, A. S. Mahesha Murthy, H. N. Anjanayappa, S. Benakappa, Naveen Kumar, B. T. and A. S. Kumar Naik., 2016. Length – weight relationship and relative condition factor of *Cociella crocodila* (TILESIUS, 1812) from Mangalore Coast, India. *Life Science Bulletin* **13** (1) : 57 - 59.
34. Ashwini. L, Benakappa, S., Anjanayapa, H.N., Akshay. L., 2016. Fishery of *Decapterus russelli* (Ruppell, 1830) from Mangaluru coast. DOI 10.4010/2016.1753, ISSN 2321 3361 © 2016 IJESC.
35. Ashwini. L, Benakappa, S., Anjanayapa, H.N., Akshay. L., 2016. Food and Feeding Habits of the Indian SCAD, *Decapterus russelli* (Ruppell, 1830) from Mangaluru coast. DOI 10.4010/2016.1752. ISSN 2321 3361 © 2016 IJESC.
36. Ashwini. L, Benakappa, S., Anjanayapa, H.N., Akshay, L., 2016. Length-Weight Relationship and Condition Factor of *Decapterus russelli* from Mangaluru region. DOI 10.4010/2016.1687. ISSN 2321 3361 © 2016 IJESC.
37. Ashwini. L, Benakappa, S., Anjanayapa, H.N., Akshay. L., 2016. Observation on the Gonado-Somatic Index-GSI and Hepato-Somatic Index-HSI of *Decapterus russelli* Mangaluru coast. DOI 10.4010/2016.1754 . ISSN 2321 3361 © 2016 IJESC.
38. Ashwini, L, Benakappa, S., Anjanayapa, H.N., Akshay, L. , 2016. Reproductive Biology of the Indian SCAD, *Decapterus russelli* (Ruppell, 1830) from Mangaluru coast. DOI 10.4010/2016.1751. ISSN 2321 3361 © 2016 IJESC.
39. Ashwini. L, Benakappa, S., Anjanayapa, H.N., Akshay. L., 2016. Seasonal Changes in the Proximate Composition of *Decapterus russelli* from Managaluru coast. DOI 10.4010/2016.1755.ISSN 2321 3361 © 2016 IJESC.
40. Jitendra Kumar, Benakappa, S., Gangadhara Gowda, Harsha Nayak, Lakshmipathi M.T., Shivakumar M., Anjanayappa, H. N., Somashekara, S. R., Ramachandra Naik, A.T. and Kumar Naik A.S., 2016. Seasonal variations of oceanographic conditions and their influence on pelagic fisheries off Mangalore coast, Karnataka. *J. Exp. Zool. India.* **19** (2): 897-904,
41. Mahesha Murthy, A.S., Rajesh, D.P., Benakappa, S., Anjanayappa, H.N., Somashekara, S.R. and Prakash, D.P., 2016. Spawning frequencies and breeding seasons of *Cociella crocodila* (TILESIUS, 1812) from Mangalore coast. *Life Science Bulletin.* **13** (2): 181 - 184.
42. Ramya, V. C., Benakappa, S., Anjanayappa, H. N., Jayaraj, E. G., Somashekara, S. R. and Mahesh, V., 2016. Reproductive biology of *Nematalosa nasus* (Bloch, 1795) off Mangalore coast, Karnataka. *J. Exp. Zool. India.* **19** (1); 313-319,
43. Satish, N., Rajesh, D.P., Anjanayappa, H. N., Benakappa, S., Somashekara, S.R., Naveen Kumar, B.T. and Prakash D.P.2016. Food and Feeding habits of *Paraplagusia bilineata* from Mangalore coast. *Life Science Bulletin.* **13** (2): 173-175.
44. Satish, N., Rajesh, D.P., Anjanayappa, H.N., Benakappa, S., Somashekara, S.R., Naveen Kumar, B.T. and Prakash, D.P. 2016. Spawning frequencies and breeding seasons *Paraplagusia bilineata* from Mangalore coast. *Life Science Bulletin,* **13** (2): 211 - 215.
45. Saritha Sadasivan, Anjaneyappa, H.N., Naveen Kumar, B.T., Omkar V. Byadgi, Shankar, K.M., Girisha, S.K. and Malathi Shekar., 2016. A molecular approach to resolve ambiguity in identification of *Nemipterus randalli* (Russell, 1986) from Mangalore coast of Arabian Sea, India. *J. Exp. Zool. India.* **19** (2).

## 2017

46. K. Halesha, H. N. Anjanayappa, Mansing Naik, D. P. Rajesh and P. Nayana., 2017. Length-weight relationship and condition factor of *Dussumieria acuta* from Mangaluru region. *J. Exp. Zool. India* **20** (1): 199 - 200.
47. K. Halesha, H. N. Anjanayappa, Mansing Naik, D. P. Rajesh and P. Nayana., 2017. Food and Feeding habits of rainbow sardine, *Dussumieria acuta* from Mangaluru region. *J. Exp. Zool. India* **20** (1) : 265 - 267.
48. K. Halesha, H. N. Anjanayappa, Mansing Naik, Jaya Naik, D. P. Rajesh and P. Nayana., 2017. Breeding biology of rainbow sardine, *Dussumieria acuta* from Mangaluru region. *Biochem.Cell.arch.* **17** (1) : 327 - 331.
49. D. P. Rajesh, H. N. Anjanayappa, S. Benakappa, A. S. Kumar Naik and D. P. Prakash., 2017. Food and Feeding habits of *Atropus atropos* from Mangalore Coast. *J. Exp. Zool. India* **20** :1303 - 1306.

## 2018.

50. Rajendra Naik, N., Shivaprakash, S.M., Anjaneyappa, H.N., Somasekhara, S.R., Jaya Naik and Benakappa, S.; Reproductive biology of the commercially important Indian squid *Uroteuthis (Photololigo) duvaucelii* (d'Orbigny [in Ferussac & d'Orbigny], 1835) off Mangalore, south-west coast of India. *Indian Journal of Fisheries.* **64**(1): 75-79.
51. Rajesh, D.P., H. N. Anjanayappa. and S. Benakappa., 2018. Maturation and spawning of *Atropus atropos* (BLOCH & SCHNEIDER, 1801) from Mangalore coast, India. *Journal of Fisheries and Life Sciences. India.* **3**(2) : 46 - 53.
52. Devanand, T.N., Naveenkumar, B.T., Chitra Soman, Anjanayappa, H.N., Mansing Naik, Sathish, R.P. and Ajaykumar Kagalgomb., 2018. DNA barcoding of *Coilia dussumieri* and *Sardinella gibbosa* using cytochrome C oxidase sub unit i (coi) : a mitochondrial gene. *J. Exp. Zool. India.* **21**(2): 1207-1211.
53. Devanand, T.N., Anjanayappa, H.N., Mansing Naik, Somashekara, S.R., Lakshmipathi, M.T. and Kamalesh Panda., 2018. Food and feeding habits of *Metapenaeus monoceros* (Fabricius, 1798) from Mangaluru coast, India. *J. Exp. Zool. India.* **21** (2):995-999.

**2019.**

54. Mahesh. V., A.P. Dineshbabu., A.S. Kumar Naik., H.N. Anjanayappa., M.E. Vijaykumar., & Muttappa Khavi. 2019. Characterization of low value bycatch in trawl fisheries off Karnataka coast, India and its impact on juveniles of commercially important fish species. *Indian Journal of Geo Marine Sciences* **48 (11)**: 1733-1742.
55. Mahesh Chand Sonwal, Somashekara S.R., Anjanayappa, H. N., Umesh Suryawanshi, Jitendra Kumar, Shobha Rawat and Gayatri Pandey, 2019. Marine crustaceans biodiversity in the trawling grounds off Mangalore coast, South-west coast of India. *J. Exp. Zool. India*. **22, (2)**:1039-1044,
56. Suma, H. N. Anjanayappa, D. P. Rajesh and S. Benakappa., 2019. Length-weight relationship and relative condition factor of the crab, *Charybdis lucifera* (Fabricius, 1798) off Mangaluru coast Karnataka, India. *J. Exp. Zool. India*. **22 (2)**: 719-721.
57. D. P. Rajesh, H. N. Anjanayappa, Ganesh Parasad, L. and S. Benkappa., 2019. Population Characteristics of *Atropus atropos* (Bloch & Schneider, 1801) from Mangalore coast, India. *International Journal of current Research*. **11(8)**, 6574 -6577.
58. Deepa Suman., Rajesh, D. P. and H. N. Anjanayappa. 2019. Food and feeding habits of *Saurida tumbil* (Bloch, 1795) from Mangaluru coast Karnataka, India. International conference & Academic Excellence Award on recent Innovation and Inerdisciplinary Research at Mumbai, ISBN: 978-81-9435584-4-2. Journal of The Gujarat Research Society **21(15)**.
59. Mahesh, V., Dineshbabu, A.P., Kumar Naik, A.S., Anjanayappa, H.N., Vijaykumar, M.E. and Muttappa Khavi., 2019. Characterization of low value bycatch in trawl fisheries off Karnataka coast, India and its impact on juveniles of commercially important fish species. *Indian Journal of Geo Marine Sciences*. **48 (11)**: 1733-1742.
60. Mahesh Chand Sonwal, Somashekara S.R., Anjanayappa, H. N., Umesh Suryawanshi, Jitendra Kumar, Shobha Rawat and Gayatri Pandey., 2019. Marine crustaceans biodiversity in the trawling grounds off Mangalore coast, South-west coast of India. *J. Exp. Zool. India*. **22, (2)**:1039-1044,
61. Ramya, V. C., Benakappa, S., Mahesh, V., Kumar Naik, A. S., Anjanayappa, H. N. and Vijaykumar, M. E., 2019. Breeding seasonality of *Anodontostoma chacunda* (Hamilton, 1822) off Mangalore coast, Karnataka, India. *Indian Journal of Geo Marine Sciences*. **48 (05)**: 628-634.
62. Rajanna K.B, Anjanayappa H.N, Chethan N., Vijayakumar S and Manjappa N. 2019. Length-weight relationship and condition factors of Fringed-lipped peninsular carp, *labeo fimbriatus* (Bloch, 1795) in Vani vilasa Sagara reservoir, Karnataka, India. *J. Exp. Zool. India*. **22 (1)**; 103-107.
63. Vijaykumar, M.E., Benakappa, S., Harsha Nayak, Jitendra Kumar, Krishna Rao, D.S., Preetha Pannikar, Anjanayappa, H.N., Somashekara, S.R., Shivakumar M. and Das, B.K., 2019. Ichthyofaunal biodiversity of Tunga reservoir, Karnataka. *J. Exp. Zool. India*. **22 (2)**: 1213-1224.

**2020**

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2. Chandramohan, K., Benakappa, S. and Anjanayappa, H. N., 1998. Capture fisheries in fish Ethological perspective. *MPEDA Newsletter*, III (17):30-34.
3. Benakappa, S., Chandramohan, K., and Anjanayappa, H. N., 1999. Riverine pollution in India and its abatement. *MPEDA Newsletter*, IV (5):25-27.
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26. Rajesh, D. P., H. N. Anjanayappa, Nayana, P and S. Benakappa. 2017. A study on length – weight relationship and relative condition factor

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30. Gajendra K., Rajesh D.P\*, Anjanayappa H. N., A.T. Ramachandra Naik and S. Benakappa. 2020. Proximate composition of *Scomberoides lysan* (FORSSKAL, 1775) from Mangaluru coast, Karnataka, India. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 21.
31. Gajendra, K., Rajesh, D.P., H. N. Anjanayappa AND A.T. Ramachandra Naik. 2020. Spawning frequencies and breeding season of *Scomberoides lysan* (FORSSKAL, 1775) from Mangaluru coast. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 22.
32. Gajendra, K., Rajesh, D.P., H. N. Anjanayappa., A.S. Kumar Naik., A.T. Ramachandra Naik and Kalavathi N.R. 2020. Length – weight relationship and relative condition factor of *Scomberoides lysan* (FORSSKAL, 1775) from Mangaluru coast, India. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 19.
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37. Kalavathi, N.R\*, H. N. Anjanayappa., Rajesh D.P., K.Gajendra, and K.U. sheethal. 2020. Length – weight relationship and relative condition factor of *Seriolina nigrofasciata* (Ruppell, 1982) along the Mangaluru coast. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 26.
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39. Kalavathi. N.R., Rajesh. D.P\*, H. N. Anjanayappa., Suma, and J. Deepa Suman. 2020. Determination of proximate composition of *Seriolina nigrofasciata* (RUPPELL, 1982) along the Mangaluru coast. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 27.
40. Praveenjoshi H.S, Ramachandra Naik A.T, Rajesh, D.P., M. Shivakumar., H.N. Anjanayappa, Daggula Narshivudu., K.U. Sheethal and S.R. Somashekar. 2020. Distribution and abundance of zooplankton community in Pilikula lake, Dakshina Kannada dist. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 40.
41. Rajesh, D.P., H.N. Anjanayappa, S. Benakappa, A. S. Kumar Naik., A.T. Ramachandra Naik, Mridula Rajesh, J. Deepa Suman and Kalvathi.  
N.R. Ganesh Prasad and H.S. Praveenjoshi., 2020. Observation on the gonado-somatic index-gsi of *Atropus atropos* (Bloch & Schneider, 1801) off Mangaluru coast. In: The book of abstracts of “Addressing fishing community concerns in Integrated Coastal Zone Management: an emerging challenge”, 14-16 March, 2020 pp 17.

## PG students Guidance:

Sl. No.	Student Name	Title of Research	Year of Completion
1	Ingle Bhagyashree	Exploration of group dynamics patterns of decision making and personality traits in a shoal of climbing perch, <i>Anabas testudineus</i> (Bloch, 1792)"	2013
2	Nayana P	Studies on biodiversity of pelagic fishes off Mangalore coast	2013
3	Saritha S	Identification of <i>Nemipterus randalli</i> Russell, 1986 using DNA barcoding	2014
4	Chitra Soman	Identification of <i>Cynoglossus arel</i> and <i>Synaptura commersonii</i> using COI and 16s rRNA genes	2015
5	Devanand T.N.	A comparative study of COI and 16s rRNA genes for DNA barcoding of <i>Coilia dussumieri</i> and <i>Sardinella gibbosa</i>	2015
6	Suma	Studies on biological aspects of the crab, <i>Charybdis lucifera</i> (Fabricius, 1798) off Mangalore coast	2016
7	Halesha K.	Studies on biological aspects of rainbow sardine, <i>Dussumieria acuta</i> Valenciennes, 1847 with a note on sardine fishery off Mangalore coast	2016
8	Venugopal R	DNA barcoding of three endemic species of genus <i>Barilus</i> (Family: cyprinidae) from Western Ghats, Karnataka	2016
9	Manjunath N.	Ascertaining the identification of cryptic members of filamentous group in habiting the rivers of Dakshina kannada and Udupi districts using molecular tools	2018
10	Prashanth R.	Assessment of ichthyofaunal diversity in esturine system of Kundapura region	2019
11	Manojkumar M.N.	Identification and documentaion of mangroves and associated fauna Dakshina Kannada coast	2019
12	Sneha Darshan C.	Studies on biological aspects of the moon fish, <i>Mene maculata</i> (Bloch and Schneider, 1801) off Mangaluru coast	2019
13	Harshath D.G.	Assessment of ichthyofaunal biodiversity of swarna river estuary of Udupi district in Karnataka	2021
14	S. N. Kamalini	Stock structure analysis of Gizzard shad, <i>Nematalosa nasus</i> (Bloch,1795) along the Indian waters	Under going

## Ph.D. students Guidance:

Sl. No.	Student	Thesis Title	Ph.D. awarded in
1.	Rajesha D.P.	Studies on biology and population characteristics of <i>Atropus atropus</i> (Bloch & Schneider,1801) off Mangalore coast	Fisheries Resources and Management
2.	Devanand T.N.	Studies on the fishery, biology and Biometrics of speckled shrimp, <i>Metapenaeus monoceros</i> (Fabricius,1798) along Mangaluru coast, Karnataka	Fisheries Resources and Management
3.	Nayana P.	Biology and population dynamics of <i>Scoliodon laticaudus</i> , Muller and Henle, 1838, with a note on shark fishery of Karnataka coast	Fisheries Resources and Management
4.	Bhavanjali M.R.	DNA barcoding of selected <i>cyprind</i> fishes in aquarium trade with special reference to the indigenous varieties	Under going (Fisheries Resources and Management)
5.	Kalavathi N.R.	An assessment of ichthyofaunal diversity of Chandragiri estuary with emphasis of economic valuation of ecosystem services	Under going (Fisheries Resources and Management)
6.	Mukesh Kumar Singh	Taxonomic evaluation of selected species of genes <i>puntius</i> and <i>pethila</i> from eastern india	Under going (Fisheries Resources and Management)
7.	Manjunath N.	Study on threatened category of ornamental fish traded in Karnataka with special reference to their conservation status	Under going (Fisheries Resources and Management)

### **Gene sequences accepted (cytochrome oxidase submit 1 gene and 16 SrRNA)**

1. Gene sequences of COI gene of *Cynoglossus arel* have been submitted and accepted by GenBank. Accession No. KT 323970
2. Gene sequences of 16SrRNA gene of *Cynoglossus arel* have been submitted and accepted by GenBank. Accession No. KT 323971
3. Gene sequences of COI gene of *Synaptura commersonni* have been submitted and accepted by GenBank. Accession No. KT 323972
4. Gene sequences of COI gene of *Synaptura commersonni* have been submitted and accepted by GenBank. Accession No. KT 323973
5. Gene sequences of COI gene of *Nemipterus randalli* have been submitted and accepted by GenBank. Accession No. KJ 957821
6. Gene sequences of COI gene of *Coilia dussumieri* have been submitted and accepted by GenBank. Accession No. KT 323966
7. Gene sequences of 16SrRNA gene of *Coilia dussumieri* have been submitted and accepted by GenBank. Accession No. KT 323967
8. Gene sequences of COI gene of *Sardinella gibbosa* have been submitted and accepted by GenBank. Accession No. KT 323968
9. Gene sequences of 16SrRNA gene of *Sardinella gibbosa* have been submitted and accepted by GenBank. Accession No. KT 323969