

## **CURRICULUM VITAE**

### **Dr. JAYA NAIK**

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Dept. of Fisheries Engineering & Technology  
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### **Educational Qualifications**

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| 2000 | B.F.Sc. | Fisheries Science, College of Fisheries, Mangalore, UAS, GKVK, Bangalore, India            |
| 2003 | M.F.Sc. | Industrial Fishery Technology, College of Fisheries, Mangalore UAS, GKVK, Bangalore, India |
| 2012 | Ph.D    | Fish Processing Technology, College of Fisheries, Mangalore, KVAFSU, Bidar, India          |

### **Positions held**

1. Worked as a Senior research fellow in the Dept. of Fishery engineering on the topic entitled “ Selectivity studies on the bottom trawl off Mangalore” (March 2003 to June 2004).
2. Worked as a Fisheries Scientist in the Agricultural Engineering College, Raichur, on the topic entitled “Preservation and value added products prepared using marine and fresh water fishes along west coast of India. (25<sup>th</sup> Feb, 2005 to 25<sup>th</sup> Jan, 2007)
3. Worked as a Research scholar in the department of Fish Processing Technology for the topic entitled “ Influence of freshness of fish on the quality of prepared products : A comparative study for lean and fatty fish Funded by University of Grants commission, New Delhi. (01-04-2008 to 05-10-2010).
4. Assistant Professor of Fishing Craft, KVAFSU, College of Fisheries, Mangalore since 02-06-2011

### **Awards and Fellowships**

1. Rajiv Gandhi National Fellowship (RGNF) from University Grants Commission (UGC), New Delhi, during 2008-2011 for Ph.D. degree programme in Fish Processing Technology at College of Fisheries, Mangalore.

### **Training/workshops/ Conducted/ Attended**

1. Conducted on the “Use of GPS Navigator and Fish Finding Equipment”: In the Dept. of Fishery engineering (11.04.02 to 15.04.02) for the fisher folk of coastal Karnataka.

2. Conducted a training programme on “**Awareness on Responsible fisheries for the Fisher folk of coastal Karnataka**”: In the Dept. of Fishery engineering (29-07-03, 31-07-03, 02-08-03, 06-08-03, 07-08-03 and 08-08-03) for the fisher folk of coastal Karnataka.
3. Short course on “**Coastal and Marine Environmental Management**”: at College of Fisheries, Mangalore (Feb 16<sup>th</sup> to 25, 2006).
4. Participated in the Training Programme of ICAR sponsored “**Innovative Approaches to e-learning**” Organized by NAARM, Hyderabad during 11-20<sup>th</sup> September 2012.
5. Involved in Organizing “**Global Symposium on Aquatic Resources for Eradicating Hunger Malnutrition-Opportunities and Challenges**” held during 3<sup>rd</sup> -6<sup>th</sup> December, 2012 at Mangalore, Karnataka, INDIA. AFSIB.
6. Participated in “**Moving towards sustainability an interactive trainers training workshop**” held during 3-5 September, 2013 at Geological Survey of India, Mangalore.
7. Participated in the ICAR funded Winter school on “**ICT-Oriented Strategic Extension for Responsible Fisheries Management**” organized by the Central Marine Fisheries Research Institute (CMFRI), Kochi during 5-25 November, 2013.
8. Had participated and presented a paper in the **National conference on Strategies for Bridging the Yield gap in Fisheries and Aquaculture**” *organized by Professional Fisheries Graduates Forum (PFGF)*, India during 24-25, March 2014 at the College of Fisheries, Mangalore. India.
9. Training programme conducted on “**Responsible fishing and conservation of Fisheries**” for the fisher folk of coastal Mangaluru of Karnataka. Funded by Agricultural Technological Management Agency, Dept. of Agriculture, Dakshinna Kannada District (24-26 July, 2014).
10. Training programme conducted on “**Responsible fishing and conservation of Fisheries**” for the fisher folk of coastal Karwara and Ankola of Karnataka. Funded by Agricultural Technological Management Agency, Dept. of Agriculture, Uttara Kannda District (25-26 July, 2016).

#### **Thesis/dissertation**

- **Master’s (M.F.Sc) Thesis: “Studies on the effect of sweep line and bridle lengths off Commercial HOBOT operated along Mangalore Coast”**
- **Ph.D Thesis: “ Influence of freshness of fish on the quality of prepared products: A Comparative study for lean and fatty fish”**

### List of Publications:

1. **Jaya Naik**, B. Hanumanthappa, R. M. Prabhu and S. Varadaraju, 2004. Effect of variation in bridle lengths of bottom trawls on the fish catch along Mangalore coast: *Envi. & Ecol.*, **22**(4): 787-790.
2. **Jaya Naik**, B. Hanumanthappa, R.M. Prabhu and D. Shashikala Bai, 2006. Studies on some of the commercially important fishes caught in the HOBOT rigged with different categories of bridle lengths: *J. Curr. Sci.*, **9**(1): 261-266.
3. **Jaya Naik**, B. Hanumanthappa, C. V Raju, S.H. Badami and R. M Prabhu, 2006. Studies on the effect of variation in sweep line lengths of bottom trawls over fish catch along Mangalore coast: *J. Curr. Sci.*, **9**(1): 267-270.
4. S. Varadaraju, M.K. Nagaraj, R.M. Prabhu and **Jaya Naik**, 2009. Suitability of coastal water for brackish water shrimp farming Along Dakshina Kannda District, Karnataka State: *Envi & Ecol.*, **27**(3A): 1258-1261.
5. **Jaya Naik**, C.V Raju, K.V Basavakumar and T.H. Shankarappa, 2010. Quality changes during freezing and frozen storage of mackerel (*Rastrelliger kanagurta*) and Pink perch (*Nemipterus japonicus*) in summer season: *Envi. & Ecol.*, **28**(4): 2396-2400.
6. Renukaswamy, H.M, C.V.Raju, **Jaya Naik**, K.J.Maheswara and M.H.Bhandary, 2010. Preparation of ready to eat products from salted and dried Anchovies (*Stolephorus spp*): *J. Aqua. Biol.*, **25**(2): 148-151.
7. **Jaya Naik**, C.V. Raju, Esha Naik, N. Rajendra Naik and Kamalesh Panda, 2011. Changes in the quality during fall season in freezing and frozen storage of mackerel (*Rastrelliger kanagurta*) and Pink perch (*Nemipterus japonicus*): *Agrovet Buzz.*, **3**(6): 38-40.
8. K.J. Maheswara, C.V.Raju, **Jaya Naik** and H.S. Adarsha, 2011. Thermal Processing of Tuna in curry packed in Tin-Free-Steel can: *Envi. & Ecol.*, **29**(3A): 1440-1443
9. K.J. Maheswara, C.V.Raju, **Naik, J.**, Prabhu, R.M and Panda, K., 2011. Studies on Thermal Processing of tuna-A comparative study in Tin and Tin-Free-Steel cans., *AJFAND.*, **11**(7): 5539-5560.
10. **Jaya Naik**, C.V. Raju, B. Hanumanthappa, Manjunatha, A.R and Mohan Kumar, K.C., 2013. A comparative study on final quality of smoked products prepared using iced Mackerel (*Rastrelliger kanagurta*) and Pink perch (*Nemipterus japonicus*) during summer season. *Trends in Biosciences* **6**(6): 879-885.
11. **Jaya Naik**, C.V. Raju and A. R. Manjuntha, 2014. Studies on the quality of canned fishery products prepared using ice stored mackerel and pink perch. *Ind. J. Sci. Res. and Tech.* **2**(4):71-78.

12. **Jaya Naik**, C.V. Raju, Manjunatha, A.R and Mohan Kumar, K.C., 2014. Importance of temperature in relation to quality changes of commercially important fishes of Indian mackerel (*Rastrelliger kanagurta*) and pink perch (*Nemipterus japonicus*) during winter season. *Trends in Biosciences* **7**(8): 2839-2844.
13. Manjunatha, A.R., Hanumanthappa, B and **Jaya Naik**, 2014. Studies on the catch composition of purse seine gear operated along Mangalore coast. *National Journal of Life Sciences*. **11**(2): 191-194.
14. **Jaya Naik** and C.V. Raju, 2015. Quality changes during ice storage of fishes Indian Mackerel (*Rastrelliger kanagurta*) Pink perch (*Nemipterus japonicus*) during summer season. *The International Journal of Science and Technoledge*. **3**(6): 238-242.
15. **Jaya Naik\***, C. V. Raju and Mansing Naik, 2016. Studies on the effect of iced mackerel and pink perch used for canning by using brine solution in TFS cans. *J. Exp. Zool. India* Vol. 19(1), pp. 1235-1240.
16. Jaya Naik and C.V. Raju, 2015. Quality changes during Ice storage of Fishes Indian Mackerel (*Rastrelliger Kanagurta*) and Pink perch (*Nemipterus japonicas*) during summer season. *The Intl. Jr. of Sci. & Technoledge*: **3**(6): 238-242.
17. **Jaya Naik**, C. V. Raju and Mansing Naik., 2017. Studies On The Quality Of Smoked Product Prepared Using Iced Mackerel (*Rastrelliger Kanagurta*) And Pink Perch (*Nemipterus Japonicus*) Stored At Refrigerated Temperature (4<sup>0</sup>c). *Biochem. Cell. Arch.* Vol. 17, No. 1, pp. 193-198.
18. **Jaya Naik**, C.V. Raju, Mansingh Naik and Rajiv H. Rathod., 2017. Studies On The Chemical And Organoleptic Changes In The Final Quality Of Canned Products Prepared Using Ice Stored Mackerel And Pink Perch. *Biochem. Cell. Arch.* Vol. 17, No. 1, pp. 219-223.
19. K. J. Maheshwara\*, **Jaya Naik**, Arun Balamatti and T. D. Jagadish, 2017. Biochemical And Shelf Life Study Of Quality Of Fish Sausage In Ambient And Refrigerated Storage. *Biochem. Cell. Arch.* Vol. 17, No. 1, pp. 265-270.
20. 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.* Vol. 17, No. 1, pp. 327-331.
21. N. Rajendra Naik , S. M. Shivaprakash, H. N. Anjaneyappa, S. R. Somasekhara, **Jaya Naik** and S. Benakappa, 2017. 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 J. Fish.*, **64**(1): 75-79.
22. Mansing Naik, H. R. V. Reddy, T. N. Devanand, **Jaya Naik** and K. Halesha, 2017. Length-weight relationship and relative condition factor of *etroplus suratensis* (Bloch,

1790) in estuarine waters of Mangalore, India. *J. Exp. Zool. India.*, 20 (1), pp. 501-504.

23. Mohan Maloth, Varadarju S, Jayaraj, EG, Ganapathi Naik, M, Shshidhar H Badami and **Jaya Naik**, 2020 (August). Designing and Fabrication of Different Types of Aerators in Commercial Aquaculture; *J. of Entmlgy. and Zool. Studies*: **8**(1):1268-1272.
24. Basavarajaiah D.M, Narasimhamurthy B, Ganesh Prasad T.S and Jaya Naik, 2021. Spatial distribution and Socio-Ecnomic status of Tribal Settlements in the Western Ghats: *Int. J. Adv. Res.* **9**(12):178-191.
25. Haldankar Siddhant Shrikant, **Jaya Naik** and Capt.Jayaprakash Mendon 2022. Studies on the effect of escapement of fish catch in the Square mesh and Diamond mesh codend operated along Mangaluru coast; *J. Exp. Zool. India* **25**(1): 657-660.
26. Haldankar Siddhant Shrikant and **Jaya Naik**, 2022. Standardization of Bridle lengths for the Square mesh codend Trawl net operated at a depth of 25m along Karnataka Coast. *J. Exp. Zool. India* **25**(1): 661-668.
27. Haldankar Siddhant Shrikant, **Jaya Naik** and S. Vijay Kumar.2022. Studies on the Effect of different Bridle lengths used in Square mesh codend Trawl net operated at a depth of 20 m along The Mangaluru Coast off Karnataka. *J. Exp. Zool. India* **25**(2): 1425-1434.
28. **Jaya Naik**, N. Rajendra Naik and C. V. Raju. 2023. Studies on the effect of final quality defects in the Smoked products prepared using iced Mackerel and Pink perch; *J. Exp. Zool. India* **26**(1): 801-806
29. **Jaya Naik**, Swami Rohini Ravikant, S. Vijakumar and T. S. Annappaswamy.2023. Square mesh and Diamond mesh Codend with grids in Trawl net and its Impact on Fishing; *J. Exp. Zool. India* **26**(1): 835-840.
30. Thamizhmani R and Jaya Naik, 2023. A review on Fishing Gear and fishing Technology Operated along the Indian Coast. *Goya Journal*; **16** (6):351-359.
31. Varadarju S, Mohan Maloth, Shshidhar H Badami and **Jaya Naik**, 2024. Comparative study of fabricated conventional aerator models for enhancing oxygenation efficiency in Aqua farm. *Int. J. of Res. in Agron.* **SP-7**(6):317-322.

32. Varadaraju S, Darshan, K.S., **Jaya Naik** and Maloth Mohan, 2024. Performance evaluation of fabricated and conventional horizontal perforated sheet aerator models for Aqua farm; *Int. J. of Agri. Ext. and Soc. Dvlpmnt.* **7** (SP-6): 112-116.
33. Varadaraju S, Shashidhar H Badami, **Jaya Naik** and Darshan, K.S, 2024. Use of different fabricated aerator models for the assessment of aeration efficiency in aqua farm. *Int. J. of Agri. Ext. and Soc. Dvlpmnt.* **7** (SP-7): 125-129.
34. D. G., Shivani, Ganapathi Naik M, Amogha K. R., Dheeraj S. B., **Jaya Naik**, Girisha S. K., Manjappa N, and Lakshmipathi M. T. 2025. "Probiotic Potential of Dietary *Bacillus Amylolyquefaciens* in Enhancing Health Parameters of Amur Common Carp (*Cyprinus Carpio Haematopterus*)". *Journal of Advances in Biology & Biotechnology* **28** (4):1041-1056.
35. Prapti Mendon, **Jaya Naik**, Mayur Tandel, Rohini Swami, Elamathi R, 2025. Optimization Of Fishing Efficiency And Sustainability With AIS And Echo sounder Equipped Ring Seine Operated Along Ullal Coast Off Mangaluru; *IOSR Journal Of Agriculture and Veterinary Science (IOSR-JAVS)*: **18**(5- 1): Pp 59-66.
36. Prapti Mendon, **Jaya Naik**, S. Varadaraju, Shashidhar H Badami, Jayaprakash Mendon, T.S Annappaswamy and Vijay S Atnur, 2025. Studies on the Impact of Ring Seiner Equipped with AIS Transponder Operated along the Ullal Coast off Mangaluru. *Intrnl. J of Bio-Resource and Stress Management (IJBSM)*: **16** (6):01-08.

### Chapter Published in the Book

1. L.Suragihalli Siddappa, C.V Raju, **Jaya Naik**, M.H. Bhandary and Basavakumar, 2008. Preparation of value added products by utilizing low value deep sea fish Bull's eye (*Priacanthus hamurur*). *ENVOINFORMATICS*, Chapter-28., P; 171-175.
2. **Jaya Naik** and Thamizhmani, R, 2024. Fishing Gear Technology in Relation to Energy Efficiency for Fish Harvesting Management. *Futuristic Trends in renewable & Sustainable Energy, IIP Series*; Vol. 3, book 2, Part 2, Chapter 4: 291-312.
3. Mayurkumar U Tandel, Tandel Bhavika, **Jaya Naik**, Prabhutva Chaturvedi, Binal Rajeshbhai Kahalasi, S, Varadaraju, Bhavy Dalsanay and Jaiswar Rahul Ramasri, 2025. Selectivity of Different Fishing Gears. *Sustainable Aquaculture and Fisheries: From Innovation to Conservation*, Chapter 16: Pp 235-244.

### Abstracts Published

1. C.V.Raju, Udaykumar Nidoni, **Jaya Naik** and Yatheesh, 2005. Studies on the control of pack weight by blanching in the canning of octopus (*O. vulgaris*). The seventh Indian Fisheries Forum.
2. **Jaya Naik**, C.V Raju, B. Manjanaik and Maheswara, K.J., 2009. Influence of freshness of fish on the quality of chilled raw material: A comparative study for

lean and fatty fish. National Seminar on Indian Marine Fisheries Sustainability at cross roads.

3. Chandra, M.V, C.V. Raju, **Jaya Naik** and Prabhu, R.M., 2009. Indigenous polymer coated Tin-Free Steel cans for thermal processing of Ribbon fish (*Trichiurus lepturus*) and its quality evaluation during storage, (2009): National Seminar on Indian Marine Fisheries Sustainability at cross roads.
4. Maheswara, K.J., Raju, C.V., **Jaya Naik** and Manjanaik, B., 2009. Studies on thermal processing of tuna-A comparative study in conventional tin can and tin free steel cans. National Seminar on Indian Marine Fisheries Sustainability at cross roads.
5. **Jaya Naik**, C.V Raju and R.M. Prabhu., 2010. Changes in the quality of smoked products prepared using chilled pink perch. Work shop on role of low value fish species in strengthening food security in India.
6. Yatheesh, C.V.Raju, **Jaya Naik**, S.H.Badami and M.V. Chandra, 2010. Canning of octopus in different filling media. Work shop on role of low value fish species in strengthening food security in India.
7. Maheswara, K.J., C.V, Raju, **Jaya Naik** and S.H. Badami, 2010. Curry as a filling medium for canned tuna fish products packing in tin free steel (TFS) cans: Work shop on role of low value fish species in strengthening food security in India.
8. Nissamuddeen, N., Raju, C.V., S.H. Badami, **Jaya Naik** and Chandra, M.V., 2010. Studies on the canning of mackerel (*Rastrelliger kanagurta*) in oil and natural style. Work shop on role of low value fish species in strengthening food security in India.
9. **Jaya Naik**, C.V.Raju and R.M. Prabhu, 2010. Quality changes in canned products prepared using chilled mackerel and pink perch. Indian Aqua-Invest Congress and Expo.
10. C.V.Raju, B.A. Shamasundar and **Jaya Naik**, 2010. Nisin as preservative in fish paste products stored at refrigerated temperature. Indian Aqua-Invest Congress and Expo.
11. C.V.Raju, B.A. Shamasundar and **Jaya Naik**, 2010. Effect of K-Sorbate stored at ambient and refrigerated temperatures. Aqua-Invest Congress and Expo.
12. **Jaya Naik**, C.V.Raju, Mohan Kumar, K.C and B.Hanumanthappa. 2014. Influence of freshness of fish on the quality of prepared products by using Pink perch (*Nemipterus japonicus*). “**National conference on Strategies for Bridging the Yield gap in Fisheries and Aquaculture**” organized by Professional Fisheries Graduates Forum (PFGF), India during 24-25, March 2014 at the College of Fisheries, Mangalore. India

13. Manjunath, A.R., Hanumanthappa, B., **Jaya Naik**, Jagadeesha, T.D and Mohan Kumar, K.C. 2014. Studies on the catch composition of Purse seine gear operated along Mangalore coast. “**National conference on Strategies for Bridging the Yield gap in Fisheries and Aquaculture**” organized by Professional Fisheries Graduates Forum (PFGF), India during 24-25, March 2014 at the College of Fisheries, Mangalore. India.

### Popular articles

1. **Jaya Naik**, C.V.Raju and B. Mnajanaik., 2009. Potential application of Irradiation in relation to fish and fishery products: *Aquafind*.
2. K. Pau Biak Lun and **Jaya Naik**, 2009. The importance of Bacteriophage in Aquaculture: *Aquafind*.
3. N. Rajendra Naik, V. Kamalendra and **Jaya Naik**, 2009. Mangrove Ecosystem and its Importance in fisheries: *Aquafind*.
4. Manjanaik, B and **Jaya Naik**, 2010. Role of Non-Governmental Organization (NGOs) in fish health management. *Aquafind*.
5. N. Rajendra Naik, S. Benakappa, **Jaya Naik** and H. N. Anjaneyappa, 2010. Application of Remote sensing technology in locating potential fishing zones (PFZ). *MPEDA News letter*.
6. N. Rajendra Naik, S. Benakappa, **Jaya Naik** and V. Kamalendra, 2010. Present scenario of Marine Fisheries in India: *Agrovett Buzz*.
7. **Jaya Naik**, Chandra, M.V and C.V. Raju., 2010. Loss of quality during the manufacture of canned fish products: *Aqua International*.
8. **Jaya Naik**, B.Hanumanthappa and Varadaraju, S., 2013. Present status of Coracles and its importance river. *Aqua International*.
9. **Jaya Naik**, C.V. Raju, N. Rajendra Naik and Naresh, K. Mehta, 2014. Radiation Technique to Improve the Quality of Fishery Products in Fish Processing Technology. *Aqua find*

### Research Bulletins/ Leaflets

1. C. V. Raju, Udaykumar Nidoni, **Jaya Naik** and S.K. Nanda. Fish sticks from pink perch minced meat: AICRP on PHT
2. C. V. Raju, Udaykumar Nidoni, **Jaya Naik** and S.K. Nanda. Fish Sausage: AICRP on PHT
3. C. V. Raju, Udaykumar Nidoni, **Jaya Naik** and S.K. Nanda. Crab cutlets: AICRP on PHT



4. C.V.Raju, Maheswara, K.J, Chandra, M.V and **Jaya Naik**. Onna Meenina Thayarike Mathu Adhara gunnamattta vidhanagalu: RKVY Project.
5. C.V.Raju, **Jaya Naik**, Maheswara, K.J and Chandra, M.V. Mathsya Sampanmulagalinda Thayarisabahudada vividha moulyavardhitha thinisugalu: RKVY Project.
6. C.V.Raju, Chandra, M.V., **Jaya Naik** and Maheswara, K.J. Seegadiya Uppinakai Udyamake Avakasha: RKVY Project.

### **Training manual**

1. C.V.Raju, **Jaya Naik** and Maheswara, K.J,. Meenina Uthpanagallu mathu Udyamasheelathege Eeruva Avakashagalu. *RKVY Project*.