

## Student Guided

- Ph.D. : 9 awarded, 1 submitted
- M.F.Sc./M.Sc.: 25 awarded
- Post Graduate Diploma (Fisheries Administration & Management): 5 awarded
- Post Graduate Diploma in Technology Management in Agriculture, ICAR-National Academy of Agricultural Research Management (NAARM) and University of Hyderabad (UoH): 1 awarded

## Publications

### Select Papers

S.No.	Name	Year	Title	Journal	Vol	Page No.	NAA S ID	NAAS rating
1	N. Katre, <b>Arpita Sharma</b> , S.N. Ojha, L. Tyagi and V.K. Yadav	2024	Reservoir Fisheries Governance Quality Index: Development and Validation	Ecological Indicators	158	1-12 111562	E011	13
2	S.D. Waghmare, S. Prakash, <b>Arpita Sharma</b> , K.K. Krishnani, V.K. Yadav and N. Qureshi	2024	Evaluating Economic Viability and Environmental Externalities of Integrated Tilapia-sugarcane Farming in Maharashtra	Agricultural Water Management	302	108967	A102	11.9
3	S. Wasave, S. Kamble, T. Kazi, S. Wasave, Sreekant G. B. and <b>Arpita Sharma</b>	2025	A Bibliometric Review on Ghost Fishing: Impacts on Marine Environment and Governing Measures	Marine Pollution Bulletin	212	212,117 604	M022	11.3
4	K. Suresh K. Patro, V.K. Yadav, V. S. Bharti, Arun Sharma, <b>Arpita Sharma</b> and T. Senthil Kumar	2023	IoT and ML Approach for Ornamental Fish Behaviour Analysis	Scientific Reports	13	1-17	S023	9.8
5	B. M. Yadav and <b>Arpita Sharma</b>	2022	Gender Analysis of Ornamental Fish Production Units in Maharashtra	Frontiers in Marine Science	9	1-11	F099	8.8
6	Ninan S. and <b>Arpita Sharma</b>	2006	Cross Sectional Analysis of Patents in Indian Fisheries Sector	Journal of World Patent Information (Elsevier Journal)	28	147-158	-	8.7

7	S. Pal, V. K Yadav, <b>Arpita Sharma</b> , P. S. Ananthan, N. Qureshi, S. Dey, P. Jana, S. Karmakar and S. N. Ojha	2022	Coastal Multi-Hazard Vulnerability Mapping: A Case Study Along the Coast of South 24 Parganas District, East Coast of India	Journal of the Indian Society of Remote Sensing	50 (9)	1701–1712	J563	8.2
8	<b>Arpita Sharma</b> and Sethulakshmi C.S.	2023	Assessment of Occupational Hazards and Usage of Sea Safety Devices by Fishers of Kerala, India	Journal Agromedicine	-	1-9	J037	8.1
9	S. Prusty and <b>Arpita Sharma</b>	2023	Occupational Hazards Faced by Inland Fishers of Odisha State, India	Journal Agromedicine	-	1-8	J037	8.1
10	S. Agnes Daney Angela and <b>Arpita Sharma</b>	2023	Analysis of Socio-economics and Occupational Dimensions of Shrimp Farmers of Tamil Nadu	Aquaculture Research		1-17	A280	7.9
11	K. Dhenuvakonda, <b>Arpita Sharma</b> , K. P. Prasad, R. Sharma and S.K. Sharma	2021	Development of an Android Based Application System for Fish Farmers	Agricultural Research	11	240-248	A095	7.4
12	K Suresh Kumar Patro, V.K. Yada*, V. S. Bharti, A. Sharma and <b>Arpita Sharma</b>	2023	Fish Detection in Underwater Environments Using Deep Learning	National Academy Science Letters- India (Springer)	46 (5)	407–412	N010	7.2
13	<b>Arpita Sharma</b> , S. Prusty, Rajiv Rathod, Arthi R., Andrew Watterson and Lissandra Cavalli	2023	Occupational Hazards of Indian Shrimp Farm Workers	All Life	16 (1)	1-15	A125	7
14	M. Meharoof, V.K. Yadav, <b>Arpita Sharma</b> , Anitha, V.,	2024	Economic Valuation of Cultural Ecosystem Services: A Case of Tropical Reservoir Ecosystem	Journal of Environmental Biology	45(5)	576	J211	6.6

	T.T. Paul, L. Paul, C.P. Dave							
15	Amitava Ghosh, S.S. Dana, <b>Arpita Sharma</b> , P.K. Sahu, D. Basu, and R. Goswami	2022	Perception of Fishers about Livelihood Developmental Interventions by Various GOs and NGOs in Indian Sundarbans: A Comparative Study	Indian Journal of Fisheries	69	146-153	I068	6.4
16	S.V. Patil and <b>Arpita Sharma</b>	2021	Prioritisation of Training Needs of Extension Personnel in Brackishwater Shrimp Aquaculture of Maharashtra, India	Indian Journal of Fisheries	68(4)	135-141	I068	6.4
17	B. Debnath, M. Krishnan, P.S. Ananthan, B. Debnath, <b>Arpita Sharma</b> and R. Sharma	2015	Fisheries of Gumti (Dumboor) Reservoir in Tripura: Production, Performance and Management	Indian Journal of Fisheries	62 (3)	14-20	I068	6.4
18	Amitava Ghosh and <b>Arpita Sharma</b>	2014	Content Analysis of Fisheries vis-a-vis Agriculture and Animal Husbandry based (Krishidarshan) Live-phone-in Television Programmes in West Bengal	Indian Journal of Fisheries	61 (2)	146-150	I068	6.4
19	Ninan S., <b>Arpita Sharma</b> , P.S. Ananthan and S.N, Ojha	2005	Intellectual Property Rights in Fisheries Sector	Journal Intellectual Property Rights	10	52-58	0971-7544	6.21
20	<b>Arpita Sharma</b> and Gaind Singh	2018	Fisheries Development Programmes and Profile of Beneficiaries in Chhattisgarh	Indian Journal of Economic Development	6(4)	1-7	I059	6.2
21	<b>Arpita Sharma</b>	2013	Patenting Activities in Cage Culture- A Posteriori Approach	Fishery Technology	50 (1)	92-96	F021	6.2
22	<b>Arpita Sharma</b>	2002	Ergonomic Problems of Women Prawn Peelers	Journal Agriculture Engineering (ISAE)	11(4)	231- 239	J023	5.85

23	S. Kumari and <b>Arpita Sharma</b>	2022	Sustainable Livelihood through Fish Cage Culture: Case of Chandil Reservoir in Jharkhand	Indian Journal of Ecology	49(3)	879-887	I058	5.38
24	S.V. Patil and <b>Arpita Sharma</b>	2018	Assessing and Prioritizing Training Needs of Shrimp Farmers of Palghar District, Maharashtra	Indian Journal of Ecology	5(2)	406-410	I058	5.38
25	Bharat Yadav, <b>Arpita Sharma</b> , S. Patil and S. Kumari	2017	Ornamental Fish Production Sector of Maharashtra state: A Constraint Analysis	Indian Journal of Ecology	44 (4)	856-859	I058	5.38
26	S. Wasave, Lloyd Chrispin, Apu Das, S. Pedapoli, B. K. Choudhury, and <b>Arpita Sharma</b>	2013	Electronic Display Boards (EDBs) for Fisheries Advisory Services in Maharashtra	Indian Journal of Ecology	40(2)	290-93	I058	5.38
27	Rajpal Yadav, <b>Arpita Sharma</b> , B.K. Sharma, L.L. Sharma and Mywish Meridia	2022	Role of Pluralistic Extension Service Providers in Fisheries Development of Rajasthan	Journal of Inland Fisheries Society of India	54(1)	87-100	J565	5.04
28	S. V. Patil and <b>Arpita Sharma</b>	2021	Understanding the Constraints of Fisheries Extension Personnel in Shrimp Aquaculture Sector, Maharashtra	Journal of Community Mobilization and Sustainable Development	16 (3)	627-632	J171	5.02

## Other Publications

### BOOKS

#### Select Books

1. **Arpita Sharma** and Shivta Kureel (2025) Grassroot Innovations in Fisheries and Aquaculture, Rupam Sharma and S.P. Shukla (eds), Published by Daya Publishing House®, A Division of Astral International Pvt. Ltd., Ansari Road, Darya Ganj New Delhi-110 002, ISBN: 978-93-5919-916-0, pp: 113
2. Shweta Kumari and **Arpita Sharma (2025)** Pinjrey mein Machli Paalan, Published by Daya Publishing House®, Astral International Pvt. Ltd., Ansari Road, Darya Ganj New Delhi-110 002, ISBN: 978-93-5919-662-26, pp: 117
3. **Arpita Sharma**, G. Venugopal, R. Sharma, S. P. Shukla, S. Babu and P. B. Sawant (eds) (2012) Indigenous Technical Knowledge in Fisheries of East Coast of India, Published by NPH, New Delhi, ISBN No. 978-93-80428-70-3, pp.165
4. **Arpita Sharma**, R. Sharma, S. P. Shukla and P.B. Sawant (eds) (2012) Indigenous Technical Knowledge in Fisheries Sector of Northern and Central Region of India, Published by NPH, New Delhi, ISBN No. 978-93-80428-65-9, pp.118
5. **Arpita Sharma**, R. Sharma, S. P. Shukla and P. B. Sawant (eds) (2012) Indigenous Technical Knowledge in Fisheries Sector of West Coast of India, Published by NPH, New Delhi, ISBN No. 978-93-80428-65-9, pp. 212
6. D. Kumar, **Arpita Sharma**, R. Sharma, S.P. Shukla and S. Babu (2010) Indigeneous Technical Knowledge in Fisheries Sector of North east, India, Published by CIFE, Mumbai, ISBN No. 978-93-80469-79-9 (Set) 978-93-80469- pp:122
7. **Arpita Sharma** eds (2022) Chatra Shodh Saransh, (Student Research Abstracts) Published by ICAR-CIFE, Mumbai (Awarded Best Hindi Publication by ICAR-CIFE, Mumbai in 2022)
8. Dilip Kumar, R. Uniyal, S.P. Shukla, **Arpita Sharma** (2010) Pracheen Granthon Mein Matsya Evam Matsyiki (Fish and Fisheries in Ancient Scriptures), Published by NPH, New Delhi

### Book Chapters

#### Select Book Chapters

1. **Arpita Sharma**, K.K. Krishnani, K. Pani Prasad, Ajit K Verma, Santosh N. Kunjir, Rajiv H. Rathod, Sandesh V. Patil and Shubham Soni (2023) Percolation Tank Based Aquaculture: Entrepreneurship Opportunity for Rural Tribal Youth in the Book Minimal Water Exchange Technologies to Develop Aquaculture Entrepreneurship, 20-22 December,2022, Published by National Institute of Agricultural Extension Management (MANAGE), Hyderabad and Aquaculture Technology and Research Foundation India (AQUAFIN), Chennai eds S Felix, S.S. Phand, S. Das, M. Menaga pp: 62-73
2. R. Yadav and **Arpita Sharma** (2022) Pearl Farming: An Economically Viable Entrepreneurship Development Opportunity in Rajasthan in the book Entrepreneurship in Livestock and Fisheries: Challenges and Opportunities, Brillion Publishing, New Delhi Chapter: 22, pp: 245-255
3. S. Mauria and **Arpita Sharma** (2018) IPR in Fisheries, in the Book Aquaculture in India, S.D. Tripathi, W.S. Lakra and N.K. Chadha (eds), NPH Publishers, New Delhi pp: 599-618
4. N. Gopal, S.S. Salim, M. Krishnan, R.S. Biradar, P. Kathia, N.K. Barik, R. Kumar, **Arpita Sharma** and K. Ponnusamy (2014) Marketing and Processing, Chapter 8 pp: 245-280 in the book Livelihood Status of Fishers in India, Published by CMFRI, Cochin pp: 348

5. S.S. Salim, R. Narayanakumar, P. Kathia, M. Krishnan, N.K. Barik, N. Gopal, R.S. Biradar, **Arpita Sharma** and K. Ponnusamy (2014) Marine Capture Fisheries, Chapter 2 pp: 17-46 in the book Livelihood Status of Fishers in India, Published by CMFRI, Cochin pp: 348
6. **Arpita Sharma** (2008) Fisherwomen and Entrepreneurship in the book Empowerment of Women through Entrepreneurship edited by L. Rathakrishnan. New Delhi, Gyan Publishing House, New Delhi, Gyan Publishing House
7. Ninan Sunitha and **Arpita Sharma** (2007) Issues of Patenting of Life Forms, Advances in Fish and Wild Life Ecology and Biology, Vol IV, Ed. B.L. Kaul, Daya Publications, Delhi. 113-120
8. **Arpita Sharma** (2004) Fisheries sector: A Gendered Perspective in the book Advances in Fish and Wild Life Ecology and Biology, Vol. III, Edited by B.L. Kaul, Daya Publications, Delhi, 201-205
9. S.N. Ojha, **Arpita Sharma** and Shyam Salim (2005) Institution Building Process of a Fisherwomen Society for Fisheries Product Development in the book Women Empowerment in Fisheries/edited by A.S. Ninawe and A.D. Diwan, Narendra Publications, Delhi, 151- 158
10. **Arpita Sharma** (2004) Attributes of a Successful Entrepreneur published in manual for Business Strategies in Fisheries and Aquaculture, Narendra Publication House, Delhi, 151-158

### On going Projects

#### Externally funded

1. Swachhtha Action Plan: Commercial Utilisation of Fish Waste in Fish Markets of Urban Locations, ICAR, New Delhi
2. Consultancy Project: Investigation on Ecological status, Conservation and Enhancement of Fisheries in Sardar Sarovar Reservoir, Maharashtra, DoF, Maharashtra
3. Kisan Sarathi 2.0: Enhancement, Operations, Maintenance and Support, ICAR, New Delhi
4. National Scientific and Technological Survey on Resources Devoted to Research and Development Institutions in Agriculture

### Completed Projects as Principal Investigator

#### Institute funded

1. Evaluation of Ergonomical and Socio-economical Problems of Women Engaged in Prawn peeling
2. Fisherwomen and Livelihoods – An Ergonomics Perspective
3. Conceptualization of a Working Model of a Women Fisher Co-operative in West Bengal
4. Empirical Study of Patents in Fisheries Sector

5. Documentation of Indigenous Technical Knowledge (ITK) in Fisheries Sector
6. Documentation of Endogenous Grassroots Innovations in Fisheries Sector and Facilitation of Patents
7. Capacity building of Stakeholders to Integrate Fisheries and Aquaculture in Emergency Response and Preparedness
8. Percolation Tank Based Aquaculture for Tribals in Nashik District, Maharashtra by Convergence of Corporate Social Responsibility Model
9. India's Patented Technological Innovations in Fisheries and Aquaculture

### **Externally funded**

1. Occupational Workload of Women in Different Occupations funded by University Grants Commission, New Delhi
2. Quality of living Indices funded by University Grants Commission, New Delhi
3. Socio-Economics & Fisheries of Maharashtra (Consultancy Project) funded by Co-operative Assistance and Relief Everywhere (CARE), India
4. Production Possibilities of Fish Products from Low Cost Fish in Coastal Villages funded by Technology Information and Forecast Assessment Council (TIFAC), New Delhi
5. Assessment of Literacy and Health status of Fishing Communities (Network Project) funded by Ministry of Rural Development, New Delhi
6. Livelihood and Biological Studies of Gulf of Khambatt funded by Ministry of Earth and Sciences, New Delhi
7. Capacity Development of Fisherwomen of India funded by ICAR, New Delhi
8. Appraisal of National Rural Employment Guarantee Scheme (NREGS) funded by UNDP and Ministry of Rural Development, New Delhi

### **OTHERS**

#### **INTELLECTUAL PROPERTY RIGHTS**

##### **Patents Granted**

1. Fish Drying Rack

Inventors: B.B. Nayak, A. Ghag and **Arpita Sharma**

This fish drying rack has been transferred to Arnala Fisheries Cooperative Society, Thane

2. Catfish Hatchery and Rearing of Seed Under Three Tier System

Inventors: C.S. Chaturvedi, W.S. Lakra and **Arpita Sharma**

This hatchery has been commercialised and licensed to 2 parties.

##### **Patent Published**

1. Leather Fabric and a Process for its Preparation

Inventors: S. Soni, **Arpita Sharma** and Martin Xavier

### Copyrights granted

1. S. Ninan and **Arpita Sharma** (2005) Stakeholder Perception of Patenting Activities in Fisheries and Aquaculture, Diary Number 296/05-CCL
2. B. Debnath, **Arpita Sharma** and N. Devi (2013) ITK Appropriateness Scale, Diary Number L-53010/2013
3. B. Yadav and **Arpita Sharma** (2019) Tool for the Study of Gender Analysis of Ornamental Fish Enterprises, Number: L87343/2019
4. **Arpita Sharma** (2022) Gender Analysis Tool For Fisheries And Aquaculture (GATFA) Number: L111-574/2-2022
5. Md. Meharoof, V.K Yadav, **Arpita Sharma** and S.N. Ojha (2024) Fish Culture Area Mapping. Efficient Ranching Assessment, and Change Detection for Reservoirs (FISH CAMERA-CDR) Framework, Number L-141291/2024
6. Vinod K Yadav, Liton Paul, Vidya Shree Bharti, Ashutosh Deo and **Arpita Sharma** (2024) VISTA: Vision and Intelligence for Shrimp Transmissible Abnormalities, Diary number 25157/2024-CO/L

### Trademarks granted

FishANUre

1. Application Number: 6392165, Class 01, Style: Word,
2. Application Number: 6392166, Class 01, Style: Device

Developers: **Arpita Sharma**, Anurag Singh, Martin Xavier, Shubham Soni and V/S. Bharti

This technology of FishANUre has been commercialised and licensed to FISHCOPFED, Patna, Bihar.

### TECHNOLOGIES DEVELOPED

1. Internet of Things (IoT) Prototype for Biofloc Fish Culture

Developer: Kirnamayi D and **Arpita Sharma**

CIFE Technology Number 2022, 22F/PD/0064

2. FishANUre: Organic Fish Manure from Fish waste a Do It Yourself (DIY) Technology

Developer: Anurag Singh, **Arpita Sharma**, Martin Xavier and Shubham Soni

CIFE Technology No. 23F/PD/0102

3. CIFE-Shubh Leather: Leather Fabric and a Process for its Preparation

Developer: Shubham Soni, **Arpita Sharma** and Martin Xavier

CIFE Technology No. 21F/PD/0060

4. Reservoir Fisheries Governance Quality Index (RFGQI)

Developer: **Arpita Sharma**, Nidhi Katre, S.N. Ojha, Lalit Tyagi and Vinod K. Yadav

CIFE Technology No. 24F/FW/0112

5. Ornamental Fish detection and Behaviour Analysis (OFDABA): IoT and Machine Learning approach

**Developer**-Vinod Kumar Yadav, Suresh K. Patro, Vidya S. Bharti, Arun Sharma, Ashutosh Deo and **Arpita Sharma**

CIFE Technology No. 24F/FW/0114

### MOBILE APPs DEVELOPED

1. Matsyakiran: Mobile app for fish farmers of Telangana, India  
500 + downloads available at  
<https://play.google.com/store/apps/details?id=com.cife.mathsyakiran.mathsyakiran> and  
<https://androidappsapk.co/detail-mathsya-kiran/>  
Developers: Kiranmay D., **Arpita Sharma** and others  
Technology Certificate from SMD Fisheries Science Centre, ICAR, New Delhi
2. Aquasafe: Mobile app for Occupational Safety and Health in Aquaculture  
Developers: Lissandara Cavalli, **Arpita Sharma** and others