

## **CURRICULUM VITAE**

Name: **DR. PIJUSH PAYRA**

**Designation:** SACT-1

**Departmental Name:** Industrial Fish and Fisheries (HOD), Aquaculture Management (Hons.) & Fisheries Science (PG)

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Academia.edu	<a href="https://www.google.com/url?sa=t&amp;source=web&amp;rct=j&amp;opi=89978449&amp;url=https://mgmahavidyalaya.academia.edu/pijushpayra&amp;ved=2ahUKEwj8uDbwrGKAxXhxzgGHUuaAikQFnoECDAQAQ&amp;usq=AOvVaw1BLRaBw_byezHpzD9ndOS1">https://www.google.com/url?sa=t&amp;source=web&amp;rct=j&amp;opi=89978449&amp;url=https://mgmahavidyalaya.academia.edu/pijushpayra&amp;ved=2ahUKEwj8uDbwrGKAxXhxzgGHUuaAikQFnoECDAQAQ&amp;usq=AOvVaw1BLRaBw_byezHpzD9ndOS1</a>
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### **Educational Qualifications:**

- ✚ Ph.D., Aquaculture Management & Technology awarded from Vidyasagar University, Paschim Medinipur, West Bengal (2018). Thesis entitled “**Studies on the Eco-Biodiversity of Negua Diversion Canal of Purba Medinipur district with special reference to fish production**” (in accordance with the provisions of the Ph.D. regulations, 2009 of UGC).

✚ M. Sc. (2011) in Aquaculture Management & Technology from Vidyasagar University (**Gold medalist**).

✚ B.Sc. (2009) in Zoology (Hons.) from Midnapore College (Vidyasagar University).

**Career profile/Teaching Experience:** Under Graduate level – 11 years (up to till date)

Post Graduate level – 4.5 years (up to till date)

**Specialization/ Research Area:** My research work focuses on adult fish population diversity, planktonic variety and density, microbial diversity of water and soil, effect of agricultural waste water on fishes. Apart from that I have also worked on Crafts and gears operated in the Coastal area of Southern part of West Bengal.

**Broad area of research:** Fishery Science

**Specific area of research:** Aquaculture

**Research Experience:** 13 years (up to till date)

**SEMINAR / CONFERENCE ATTENDED:**

1. Participated in three day International level seminar on **“PROBLEMS AND PROSPECTS OF COASTAL AQUACULTURE AND APPLICATION OF BIOTECHNOLOGICAL TOOLS FOR RURAL DEVELOPMENT”** during March 1-3, 2013. Organized by Aquaculture Management and Technology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
2. Participated seven day DBT Sponsored National Level Workshop on **"Current Trends of Biological Research at Crossroads of Science"** from **May 17- 23, 2013**. Organized by Dept. of Microbiology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
3. Participated five day NFDB Sponsored Skill Development Training Program on **Indian Major Carps and Ornamental Fish Culture, Marketing & Management during March 1-5, 2013**. Organized by Aquaculture Management and Technology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
4. Participated Special lecture on **“Next Generation DNA Sequencing: An Advance Technology”** on November 26, 2012 .Organized by Vidyasagar University Research

Scholars' Association (VURSA), Vidyasagar University, Midnapore, 721102, West Bengal, India.

5. Participated two day National Seminar on “**Role of University in Societal Development**” held during February, 12-13, 2014. Jointly organized by Vidyasagar University Alumni Association and NSS of Vidyasagar University at B.N. Sasmal Hall, VU campus.
6. Participated two day National Seminar on “**Climate Change, Bio-Resource and Green Bio-technology**” held during March, 12-13, 2011. Organised by Vidyasagar University in the B.N. Sasmal Hall, VU campus.
7. Participated one National seminar on “**Research Methodology in Higher Education**” held at Vidyasagar University on March 19, 2013. Organized by Vidyasagar University Research Scholars' Association (VURSA), Vidyasagar University, Midnapore, 721102, West Bengal, India.
8. Presented paper on three day International level seminar on “**PROBLEMS AND PROSPECTS OF COASTAL AQUACULTURE AND APPLICATION OF BIOTECHNOLOGICAL TOOLS FOR RURAL DEVELOPMENT**” during March 1-3, 2013. Organized by Aquaculture Management and Technology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
9. Presented paper on one day State level seminar on “**Ecorestoration**” on 12<sup>th</sup> February, 2015. Organized by Belda College, Belda, Paschim Medinipur, Pin- 721424, West Bengal, India.
10. Participated two day National level seminar on “**Natural Resources Development Strategies through Biotechnological Approaches**” during 23 – 24 March, 2015. Organized by Aquaculture Management and Technology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
11. Participated in UGC sponsored two day National Seminar on “**Perspectives in Animal Sciences: Research and Application**” during 23-24th, November, 2015. Organized by Department of Zoology, Midnapore College, Midnapore, West Bengal, India.
12. Participated in UGC sponsored two day National Seminar on “**Microbiology in 21st Century (NSM21C-2016)**” during 29th Feb to 1st March, 2016. Organized by Dept. of Microbiology, Vidyasagar University, Midnapore, 721102, West Bengal, India.

13. Participated two day National level seminar on **“Present Status of Fisheries in West Bengal”** during 06 – 07 December, 2016. Organized by dept. of Aquaculture Management and Zoology, Ramnagar College, Depal, Purba Medinipur, West Bengal, India.
14. Participated one day Seminar cum Exhibition on **“Innovative Research in Science, Literature and Culture”** held at Vidyasagar University on 24<sup>th</sup> Januray, 2017. Organized by Vidyasagar University Research Scholars’ Association (VURSA), Vidyasagar University, Midnapore, 721102, West Bengal, India.
15. Participated in one day Awareness Programme on **“National Mission on Education Through Information and Communication Technology (NMEICT)”** on 16<sup>th</sup> February, 2018. Jointly organized by National Institute of Technology Durgapur and Ministry of Higher Education, Govt. of W.B. at Ramnagar College, Depal, Purba Medinipur, West Bengal, India.
16. Participated in one day National Seminar on **“Health Risk of Processed Food”** on 9th March, 2018. Organized by dept. of Chemistry and Nutrition, Ramnagar College, Depal, Purba Medinipur, West Bengal, India.
17. Participated in one day National Seminar on **“Local Biodiversity: Documentation and Conservation”** on 16<sup>th</sup> March, 2019. Organized by Dept. of Botany, Ramnagar College, Depal-721453, Purba Medinipur, West Bengal.
18. Participated in one day National Webinar on **“COVID - 19 Pandemic & Waste Managements”** on 26<sup>th</sup> September, 2020. Organized by dept. of Chemistry, Ramnagar College, Depal, Purba Medinipur, West Bengal, India and Dept. of Chemistry NIT Jamshedpur Jharkhand, India.
19. Participated in one day Online Training programme under ICAR-DoF Convergence on **“Traditional and alternative fish feed ingredients”** held on 26<sup>th</sup> December, 2020. Organized by ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION (Deemed University), Kolkata Centre.
20. Participated in one day Online Training programme under ICAR-DoF Convergence on **“Feed and Feeding Method in Aquaculture”** held on 22<sup>th</sup> January, 2021. Organized by ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION (Deemed University), Kolkata Centre.
21. Participated in one day Online Training programme under ICAR-DoF Convergence on **“Farm Made Fish Feed”** held on 12<sup>th</sup> February, 2021. Organized by ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION (Deemed University), Kolkata Centre.

22. Participated in the awareness online programme on **“Water and Soil Quality Management in Aquaculture”**: by Gadadhar Dash. (HOD: Aquatic Health Management, West Bengal University of Animal & Fishery Sciences, Kolkata) on 16th July 2022. Organized by Nice Chemicals Pvt. Ltd.
23. Participated in the one day webinar programme on **“Importance of AI in Education”** held on 27<sup>th</sup> March, 2024. Organized by the International Centre of Excellence for DS, AI & F T, Higher Education Department, Govt. of West Bengal, Quantum Learnings & Microsoft (TSP).

#### **PAPER PRESENTED:**

1. Presented paper in three day International level seminar on **“PROBLEMS AND PROSPECTS OF COASTAL AQUACULTURE AND APPLICATION OF BIOTECHNOLOGICAL TOOLS FOR RURAL DEVELOPMENT”** during March 1-3, 2013. Organized by Aquaculture Management and Technology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
2. Presented paper in one day State level seminar on **“Ecorestoration”** on 12th February, 2015. Organized by Belda College, Belda, Paschim Medinipur, Pin- 721424, West Bengal, India.
3. Presented paper in UGC sponsored two day National Seminar on **“Microbiology in 21st Century (NSM21C-2016)”** during 29th Feb to 1st March, 2016. Organized by Dept. of Microbiology, Vidyasagar University, Midnapore, 721102, West Bengal, India.
4. Presented paper in two day National Seminar on **“Frontiers of Fisheries Research: Problems & Prospect”** during 31<sup>st</sup> January to 1<sup>st</sup> February, 2019. Organized by Dept. of Aquaculture Management and Technology & Alumni Association of the department, Vidyasagar University, Midnapore, 721102, West Bengal, India.
5. Presented paper in one day National Seminar on **“Local Biodiversity: Documentation and Conservation”** on 16<sup>th</sup> March, 2019. Organized by Dept. of Botany, Ramnagar College, Depal-721453, Purba Medinipur, West Bengal.
6. Presented paper in one day National Seminar on **“Resource Management and Sustainable Development”** on 11<sup>th</sup> April, 2019. Organized by Dept. of Zoology, Belda College, Belda, Paschim Medinipur, Pin- 721424, West Bengal, India.

## LIST OF PUBLICATIONS:

1. **Pijush Payra**, Basudev Mandal and Ganesh Chandra Rana (2013). Seasonal variation of plankton in the brackish water-fed canal and their role in fish production. *International Journal of Advanced Biological Research*, 3 (3): 397-404. (ISSN No. 2322 4827).
2. **Pijush Payra**, Basudev Mandal and Ganesh Chandra Rana (2014). Crafts and gears operated in brackish water fed canal for harvesting fishes in different seasons to maintain livelihood of the fishermen communities. *International Research Journal of Biological Sciences*, 3(9): 1-7. (ISSN No. 2278 3202).
3. Tanamy Paul, Suman K. Halder, Arpan Da, Kuntal Ghosh, Arpita Mandal, **Pijush Payra**, Prasenjit Barman, Pradeep K. Das Mohapatra ,Bikas Ranjan Pati and Keshab C. Mondal (2015). Production of chitin and bioactive materials from Black tiger shrimp (*Penaeus monodon* ) shell waste by the treatment of bacterial protease cocktail. *Biotech*. 5:483–493. DOI 10.1007/s13205-014-0245-6 (ISSN No. 2190 5738).
4. Basudev Mandal, **Pijush Payra** and Tapas Pradhan (2015). Availability of Marine Molluscs in Digha coast: threats and sustainability. Proceedings of state level seminar, organized by Deptt. of Zoology, Belda College.
5. Basudev Mandal, **Pijush Payra** and Ratan Samanta (2015). Seasonal availability of crabs and their distribution in Digha coast. *International Research journal of Basic and Applied Sciences*; 01: 27-30. (ISSN No. 2455 6718)
6. **Pijush Payra**, Riyanka Maity, Swaraj Maity and Basudev Mandal (2016). Production and marketing of dry fish through the traditional practices in West Bengal coast: Problems and prospect. *International Journal of Fisheries and Aquatic Studies*; 4(6): 118-123. (ISSN No. 2347-5129)
7. **Pijush Payra**, Basudev Mandal and Ganesh Chandra Rana (2018). Study of ichthyofaunal diversity of Nequa Diversion Canal of Purba Medinipur district. *Trends in Fisheries Research*; 7(3):24-39. [ISSN: 2319–474X (p); 2319–4758 (e)]
8. Suraj Kumar Dash, Arajush Payra and **Pijush Payra** (2018). Ichthyofaunal Diversity in Ansupa lake, Cuttack, Odisha, India. *e-planet* ;16(2):156-164. (ISSN No. 0974 4398).
9. Avik Bhanja, Sayan Mandal, Manas Das, **Pijush Payra** and Basudev Mandal (2023). Impact of Covid-19 Pandemic on Fisheries Sector and Mitigation Measures: A Brief

Review on Indian Perspectives. *Research Journal of Agricultural Sciences*; Volume 14; Issue 01; pp 247–262.[ ISSN: 0976-1675 (P) ;ISSN: 2249-4538 (E)]

10. Sayan Mandal , Avik Bhanja, Manas Das, **Pijush Payra**, Ganga Mandal, Pritish Bera and Basudev Mandal (2023). Review on Aquaponics Exordium: A Key Towards Sustainable Resource Management. *Biological Forum*; 15(2): 561-573. [ISSN No. (Print): 0975-1130; ISSN No. (Online): 2249-3239]
11. Avik Bhanja, Nibedita Sinha, Basudev Mandal and **Pijush Payra** (2023). Diversity of Aquatic Macrophytes in Four Blocks of Purba Medinipur District, West Bengal, India. *Ind. J. Pure App. Biosci.* 11(1), 1-8. (ISSN: 2582 – 2845)
12. Avik Bhanja, **Pijush Payra**, Manas Das, Sayan Mandal and Basudev Mandal (2023). Impact of Yaas cyclone on shrimp farming along the coastal belt of West Bengal and Odisha. *The Pharma Innovation.* 12(3): 2621-2625. [ISSN (E): 2277-7695; ISSN (P): 2349-8242]
13. Avik Bhanja, **Pijush Payra**, Basudev Mandal, Manas Das, Sayan Mandal and Tapas Bhunia (2023). A Study on the availability of Marine Fishes in Digha Mohana Fish Landing Centre, Purba Medinipur, West Bengal, India. *Biological Forum – An International Journal*, 15(4): 279-292.[ ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239].
14. Priyanka Kar, Smita Ghosh, **Pijush Payra**, Sudipta Chakrabarti, Shrabani Pradhan, Keshab Ch. Mondal and Kuntal Ghosh (2023). Characterization of a novel lytic bacteriophage VPMCC14 which efficiently controls *Vibrio harveyi* in *Penaeus monodon* culture. *International Microbiology*, Vol.27; 1083-1093. <https://doi.org/10.1007/s10123-023-00456-9>.
15. Avik Bhanja, **Pijush Payra** and Basudev Mandal (2023). Phytobiotics: Response to Aquaculture as Substitute of Antibiotics and other Chemical Additives. *South Asian Journal of Experimental Biology*,13(5):341-355;[DOI: 10.38150/sajeb]
16. Tapas Bhunia, **Pijush Payra** and Shriparna Saxena (2024). Fishing Crafts and Gears Operated in Junput Mangrove, Purba Medinipur for Sustaining the Livelihood of Local Fishermen. *Ind. J. Pure App. Biosci.*,12(1), 56-61. (ISSN: 2582 – 2845) DOI: <http://dx.doi.org/10.18782/2582-2845.9054>
17. Avik Bhanja, **Pijush Payra** and Basudev Mandal (2024). “A Study on the Selectivity of Different Fishing Gear. *Ind. J. Pure App. Biosci.* 12(2), 8-19. (ISSN: 2582 – 2845) DOI: <http://dx.doi.org/10.18782/2582-2845.9072>

18. Tapas Bhunia, Shriparna Saxena and **Pijush Payra** (2024). “A Study on the Availability of Finfish and Shellfish of Junput Mangrove, East Midnapore, West Bengal, India”. *Uttar Pradesh Journal of Zoology*, 45 (18), 616-634, 2024; ISSN: 0256-971X (P). DOI:[10.56557/upjz/2024/v45i184479](https://doi.org/10.56557/upjz/2024/v45i184479)

19. Avik Bhanja, **Pijush Payra** and Basudev Mandal (2024). “Aquaponics Advancements: A Comprehensive Exploration of Sustainable Aqua-Agriculture Practices in the Indian Context”. *Current Agriculture Research Journal*. 12(3), pp1062-1076. Print ISSN: 2347-4688, Online ISSN: 2321-9971. Doi: <http://dx.doi.org/10.12944/CARJ.12.3.03>

#### LIST OF BOOKS/ BOOK CHAPTERS:

S1. No	Title	Book title & editor, publisher with page no., date/ year of publication	ISSN/ISBN No.	Whether Peer reviewed	No. of co-authors	Whether You are the main author
1.	Manab Savyatar Opor Jal Dushaner pravab	<b>Book title:</b> Unnayan O Paribesh Bipannata <b>Editors:</b> Dr. Baniranjana De <b>Publisher:</b> Kabitika <b>Page No.</b> 39-43 <b>Date/ year of publication:</b> 25 <sup>th</sup> Dec, 2012	ISBN: 978-93-81554-58-6	Yes	1	No
2.	Freshwater pearl culture in traditional ponds	<b>Book title:</b> SUBARNASMRETI <b>Editors:</b> Dr. Ananta Mohan Mishra and others <b>Publisher:</b> Sudarshan Khatua, Dighal Patra, Sripativila, Kanchuri, Raipur Paschimbar, Contai, Purba Medinipur <b>Page No.</b> 180-189 <b>Date/ year of publication:</b> 20 <sup>th</sup> Sep,2022	ISBN: 978-93-94983-10-6	Yes	1	Yes

3.	Sustainable Aquaculture and Health Benefits through-Organic Fish Farming	<p><b>Book title:</b> Traditional &amp; Recent Aquaculture Practices</p> <p><b>Editors:</b> Devarshi Ranjan, Priyanka Verma, Mayank Bhushan Singh, Shubham Kanaujiya and Anshika Pathak</p> <p><b>Publisher:</b> AkiNik Publications, New Delhi</p> <p><b>Page No.</b> 125-141</p> <p><b>Date/ year of publication:</b> 15<sup>th</sup>Sep,2023</p>	ISBN: 978-93-5570-811-3	Yes	3	No
4.	Basic Comparison between Traditional Farming and Modern Farming in Aquaculture	<p><b>Book title:</b> Traditional &amp; Recent Aquaculture Practices</p> <p><b>Editors:</b> Devarshi Ranjan, Priyanka Verma, Mayank Bhushan Singh, Shubham Kanaujiya and Anshika Pathak</p> <p><b>Publisher:</b> AkiNik Publications, New Delhi</p> <p><b>Page No.</b> 221-237</p> <p><b>Date/ year of publication:</b> 15<sup>th</sup>Sep,2023</p>	ISBN: 978-93-5570-811-3	Yes	3	No
5.	A List of Equipment and Machinery used in Shrimp Processing Industry	<p><b>Book title:</b> Tools and Techniques in FISHERIES and AQUACULTURE</p> <p><b>Editors:</b> Devarshi Ranjan, Gowhar Iqbal, Priyanka Verma, Mohd Ashraf Malik, Showkat Ahmad Dar, Deepa Bhatt and Yaqoota Maqbool</p> <p><b>Publisher:</b> Elite Publishing House, New</p>	ISBN 978-93-58994-07-0	Yes	4	No

		Delhi <b>Page No.</b> 86-99 <b>Date/ year of publication:</b> Jan,2024				
6.	A Variety of Field Equipment's to Evaluate the Physical and Chemical Parameters of Water	<b>Book title:</b> Tools and Techniques in FISHERIES and AQUACULTURE <b>Editors:</b> Devarshi Ranjan, Gowhar Iqbal, Priyanka Verma, Mohd Ashraf Malik, Showkat Ahmad Dar, Deepa Bhatt and Yaqoota Maqbool <b>Publisher:</b> Elite Publishing House, New Delhi <b>Page No.</b> 189-209 <b>Date/ year of publication:</b> Jan, 2024	ISBN 978-93-58994-07-0	Yes	3	No
7.	Revolutionizing Aquaculture with Artificial Intelligence: Enhancing Sustainability and Productivity	<b>Book title:</b> INSIGHT <b>Editors:</b> Dr. Ananta Mohan Mishra, Dr. Naranarayan Dash, Dr. Debasish Biswas <b>Publisher:</b> Annapurna Prakashani, 36 College Row, Kolkata-700009 <b>Page No.</b> 134-149 <b>Date/ year of publication:</b> May, 2024	ISBN: 978-81-19675-04-3	Yes	3	No
8.	Prospects of Eco-tourism	<b>Book title:</b> Alternative Approaches of Farming for Agricultural Sustainability and Climate Resilience <b>Editors:</b> Dr. Sanjay-Swami, Dr. Meinam Chanchan and Dr.	ISBN: 978-81-966753-5-6	Yes	2	No

		<p>Monika Ray</p> <p><b>Publisher:</b> VITAL BIOTECH PUBLICATION Kota, Rajasthan, India</p> <p><b>Page No.</b> 181-200</p> <p><b>Date/ year of publication:</b> April,2024</p>				
9.	<p>Exploring the Potential of Medicinal Herbs in Sustainable Aquaculture Practices</p>	<p><b>Book title:</b> Sustainable Aquaculture: A Step Towards a Green Future in Fish Farming</p> <p><b>Editors:</b> Mr. Devarshi Ranjan, Dr. Deepa Bhatt, Mr. Ashish Sahu, Dr. Laxmi Prasad, Ms. Priyanka Verma and Ms. Simran Kaur</p> <p><b>Publisher:</b> SATISH SERIAL PUBLISHING HOUSE 403, Express Tower, Commercial Complex, Azadpur, Delhi-110033 (INDIA)</p> <p><b>Page No.</b> 105-124</p> <p><b>Date/ year of publication:</b> June,2024</p>	<p>ISBN 978-93-53874-79-7</p> <p>E-ISBN 978-93-53872-82-3</p>	Yes	6	No
10.	<p>Aquaponics: A Pathway to Boosting the Aqua-Agri Revolution in Eco-Farming</p>	<p><b>Book title:</b> Sustainable Aquaculture: A Step Towards a Green Future in Fish Farming</p> <p><b>Editors:</b> Mr. Devarshi Ranjan, Dr. Deepa Bhatt, Mr. Ashish Sahu, Dr. Laxmi Prasad, Ms. Priyanka Verma and Ms. Simran Kaur</p> <p><b>Publisher:</b> SATISH SERIAL PUBLISHING HOUSE 403, Express</p>	<p>ISBN 978-93-53874-79-7</p> <p>E-ISBN 978-93-53872-82-3</p>	Yes	6	No

		Tower, Commercial Complex, Azadpur, Delhi-110033 (INDIA) <b>Page No.</b> 186-200 <b>Date/ year of publication:</b> June,2024				
11.	Blockchain Technology and Artificial Intelligence in Fisheries Management	<b>Book title:</b> Revolutionizing Fisheries Management and Conservation: The Role of AI and GPS <b>Editors:</b> Mr. Ashish Sahu, Mr. Devarshi Ranjan, Mr. Sagar Satkar Mr. Gowhar Iqbal and Dr. Neelesh Kumar <b>Publisher:</b> International Books & Periodical Supply Service, 38, Nishant Kunj, Pitam Pura Main Road, Delhi-110034 (INDIA) <b>Page No.</b> 153-174 <b>Date/ year of publication:</b> July,2024	ISBN 978-81-19105-48-9  E-ISBN 978-81-19105-63-2	Yes	3	No
12.	Zero Tillage Fish Farming and its Importance	<b>Book title:</b> Advanced Farming in Fisheries and Aquaculture for the Blue Revolution <b>Editors:</b> Durgesh Kumar Verma <b>Publisher:</b> NIPA GENX ELECTRONIC RESOURCES & SOLUTIONS PVT LTD., New Delhi publisher <b>Page No.</b> 321-331 <b>Date/ year of</b>	ISBN: 9789358878691	Yes	4	No

		<b>publication:</b> July,2024				
13.	Emerging Trends in Disease Outbreaks Impacting Litopenaeus vannamei Culture in India	<b>Book title:</b> Latest trends in Fisheries and Aquatic Animal Health <b>Editor:</b> Dr. Aditya Gupta, Postdoctoral Researcher, USDA-ARS, Maryland, USA <b>Publisher:</b> AkiNik Publications <b>Page No.</b> 99-125 <b>Date/ year of publication:</b> October, 2024	ISBN: 97893-6135-416-8	Yes	3	No
14.	Studies on growth and production of Clarias magur (Hamilton, 1822) in an aquaponics system integrated with Spinacia oleracea	<b>Book title:</b> Agritech Intelligence and Beyond: Cutting Edge Innovations in Agriculture and Allied Sciences <b>Editor:</b> Prof. (Dr.) Nazir Ahmad Ganai, Dr. Jitendra Mehta, Dr. Shahzada Mudasir Rashid, Dr. Krishnendra Singh Nama, Dr. Rahil Razak and Ms. Kounser Ja <b>Publisher:</b> VITAL BIOTECH PUBLICATION Kota, Rajasthan, India <b>Page No.</b> 62-63 <b>Date/ year of publication:</b> October, 2024	ISBN: 978-81-978622-7-4	Yes	2	No

## Research Guidance:

### A. Masters level: No. 18 (Project Work/Dissertation)

Sl. No.	Name of the students	University/College/Institutes	Title of the Dissertation work
1.	Santu Adak	Barkatullah University, Bhopal, Maharashtra	Production and Marketing of dry fish in South West Bengal coast
2.	Subrata Dalai	Barkatullah University, Bhopal, Maharashtra	Probiotics and its impact on shrimp farming
3.	Kushal Pradhan	Barkatullah University, Bhopal, Maharashtra	Studies on the diversity of crabs in Junput Mangrove, Purba Medinipur, West Bengal
4.	Subhabrata Pati	Barkatullah University, Bhopal, Maharashtra	Studies on Ichthyofaunal diversity of Junput Mangrove, East Midnapore, West Bengal
5.	Puspendu Bikash Maity	Doon University, Dehradun, Uttarakhand.	Usage of Garlic extract for prevention and control of White feces syndrome in White leg shrimp
6.	Subhadeep Samanta	Doon University, Dehradun, Uttarakhand.	Usage of Lemon extract for prevention and control of White feces syndrome in White leg shrimp
7.	Saikat Maity	Doon University, Dehradun, Uttarakhand.	Macrobenthic faunal diversity in coastal zone of Purba Medinipur District
8.	Amalendu Payra	Barkatullah University, Bhopal, Maharashtra	Comparative studies on growth and production of <i>Litopenaeus vannamei</i> by using three different fish feeds: a case study
9.	Arpan Maity	Barkatullah University, Bhopal, Maharashtra	Importance of Probiotics in Shrimp Farming
10.	Sudarsan Das	Barkatullah University, Bhopal, Maharashtra	Studies on growth and production of <i>Litopenaeus vannamei</i> in few selected ponds of Puri, Odisha
11.	Ankan Rout	Barkatullah University, Bhopal, Maharashtra	Diversity of Crabs in Bichitrapur Mangrove, Odisha
12.	Kinkar Manna	Barkatullah University, Bhopal, Maharashtra	Induced breeding and seed production of striped dwarf catfish ( <i>Mystus vittatus</i> ): a case study
13.	Prashanta Kandar	Barkatullah University, Bhopal, Maharashtra	Freshwater insects diversity and their impacts on fish culture pond of Contai-III Block, Purba Medinipur

14.	Priyanka Patra	Barkatullah University, Bhopal, Maharashtra	Ichthyofaunal diversity in Bichitrapur Mangrove, Odisha
15.	Saptarshi Mandal	Barkatullah University, Bhopal, Maharashtra	Induced breeding and seed production of stinging catfish ( <i>Heteropneustes fossilis</i> ): a case study
16.	Kartik Das	Ramnagar College, Vidyasagar University	Studies on Morpho-meristic parameters and Length- Weight relationship of <i>Periophthalmus modestus</i> (Cantor, 1842)
17.	Moumita Samanta	Ramnagar College, Vidyasagar University	Studies on Morpho-meristic parameters and Length- Weight relationship of <i>Periophthalmus novemradiatus</i> (Hamilton, 1822)
18.	Srijani Pati	Ramnagar College, Vidyasagar University	Comparative analysis of Microbial population in traditional and food drying fish

### B. Research Guidance (M.Phil./ Ph.D.):03

Sl. No.	Name of the Researcher	Degree Awarded	University	Topic
1.	Tapas Bhunia	Pursuing	Sanjeev Agrawal Global Educational (SAGE) University, Bhopal, Sahara Bypass Road, Katara Hill Extension, Bhopal (M. P.) – 462022	Studies on Eco-biodiversity of Junput Mangrove, Purba Medinipur, West Bengal
2.	Nibedita Sinha	Pursuing	Sanjeev Agrawal Global Educational (SAGE) University, Bhopal, Sahara Bypass Road, Katara Hill Extension, Bhopal (M. P.) – 462022	Studies on aquacultural possibilities in sand pits of Purba Medinipur District, West Bengal
3.	Amrita Giri Das	Pursuing	Sanjeev Agrawal Global Educational (SAGE) University, Bhopal, Sahara Bypass Road, Katara Hill Extension, Bhopal (M. P.) – 462022	Effects of <i>Lemna minor</i> as a feed supplement on growth and survival rate of <i>Ctenopharyngodon idella</i>

### **Additional Qualification /Achievements:**

- ✚ Ranked 1<sup>st</sup> place in M.Sc. (Aquaculture Management and Technology) in Vidyasagar University, 2011.
- ✚ University volleyball champion in the year 2011.
- ✚ Selected as DST- INSPIRE FELLOW (JRF and SRF), Govt. of India.

### **Honours/Awards/ Recognitions:**

1. Invited as “**External Assessor**” to assess the technical presentation (Aquaculture Practices) by the staff of IFB Agro Industries Limited held on 19<sup>th</sup> April, 2017 at Contai, PurbaMedinipur.
2. Invited as “**Resource Person**” to deliver lecture on “Integrated Fish Farming” in NFDB, Hyderabad, Govt. of India sponsored skill development Programme held on 24.06.2018 at R.K. Hall, Vidyasagar University.
3. Invited as “**Resource Person**” to deliver lecture on “Biosecurity” in Aqua School, at Radhamoni, Purba Medinipur, W.B. Organized by ALLTECH BIOTECHNOLOGY PVT.LTD., held on 22.01.2019.
4. Invited as “**Resource Person**” to deliver lecture on “Fish culture & Hatchery Management” in SHG’s training programme at WBCADC, Tamluk Project, Purba Medinipur, held on 25.04.2019.
5. Invited as “**Resource Person**” to deliver lecture on “Fish culture & Hatchery Management” in SHG’s training programme at WBCADC, Tamluk Project, Purba Medinipur, held on 02.05.2019.
6. Invited as “**Resource Person**” to deliver lecture on “Fish culture & Hatchery Management” in SHG’s training programme at WBCADC, Tamluk Project, Purba Medinipur, held on 31.07.2019.
7. Invited as “**Resource Person**” to deliver lecture on “Fish & Prawn disease and its remedial measures” in MINMITRA training programme at WBCADC, Tamluk Project, Purba Medinipur, held on 22.08.2019.

8. Invited as “**Resource Person**” to deliver lecture on “Pearl culture in traditional freshwater fish pond” in certificate course entitled “Production of fishes through advanced Aquaculture Technologies” held on 22.05.2023 at Y.S. Palpara Mahavidyalaya Palpara, Purba Medinipur.
9. Invited as “**Resource Person**” to deliver lecture on “Navigating Higher Studies Scholarships and Carrier Opportunities” in Webinar programme Organized by Seacom Skills University held on 11.09.2023.
10. Certified as Excellence in **Peer- Reviewing** in recognition of an outstanding contribution to the quality of the journal (UTTAR PRADESH JOURNAL OF ZOOLOGY) on 30.12.2023.
11. Certified as **Trainer (Trainer ID-TR379035)** for **Fish Net Maker** (AGR/N5126)-V1.0 dated 26.12.23 by Agriculture Skill Council of India, NSDC.
12. Certified as **Assessor (Assessor ID-AR77319)** for **Fish Net Maker** (AGR/N5126)-V1.0 dated 10.02.24 by Agriculture Skill Council of India, NSDC.
13. Certified as **Assessor (Assessor ID-AR77319)** for **Fish Retailer** (AGR/Q5104)-V3.0 dated 13.06.24 by Agriculture Skill Council of India, NSDC.
14. Certified as **Assessor (Assessor ID-AR77319)** for **Fisheries Extension Associate** (AGR/Q5107)-V3.0 dated 13.06.24 by Agriculture Skill Council of India, NSDC.
15. Certified as **Assessor (Assessor ID-AR77319)** for **Ornamental Fish Farmer** (AGR/Q4910-S1002)-V3.0 dated 13.06.24 by Agriculture Skill Council of India, NSDC.
16. Certified as **Assessor (Assessor ID-AR77319)** for **Fish Seed Grower** (AGR/Q4908)-V3.0 dated 14.06.24 by Agriculture Skill Council of India, NSDC.
17. Certified as Excellence in **Peer- Reviewing** in recognition of an outstanding contribution to the quality of the book (Publisher: B.P. International) on 03.08.2024.
18. Certified as Excellence in **Reviewing** in recognition of an outstanding contribution to the quality of the journal (UTTAR PRADESH JOURNAL OF ZOOLOGY) on 19.09.2024.
19. Certified as Excellence in **Reviewing** in recognition of an outstanding contribution to the quality of the journal (UTTAR PRADESH JOURNAL OF ZOOLOGY) on 28.09.2024.

20. Certified as Excellence in **Reviewing** in recognition of an outstanding contribution to the quality of the journal (Journal of Advances in Biology & Biotechnology) on 08.10.2024.
21. Certified as Excellence in **Reviewing** in recognition of an outstanding contribution to the quality of the journal (Asian Journal of Biology) on 01.01.2025.
22. Certified as Excellence in **Reviewing** in recognition of an outstanding contribution to the quality of the journal (UTTAR PRADESH JOURNAL OF ZOOLOGY) on 11.01.2025.

**Social activities:**

- ❖ Organizing member of “**Voluntary Blood Donation & Thalassemia Test-2014**” by Vidyasagar University Research Scholars” Association in Vidyasagar University.
- ❖ Selected as **Vice-President**, VURSA, Vidyasagar University.(2013 to 2014)
- ❖ Selected as **Secretary**, VURSA, Vidyasagar University.(2014 to 2015 & 2015 to 2016)
- ❖ Selected as **Secretary**, AMT Alumni Committee, Vidyasagar University.(2018 to 2023)
- ❖ Selected as **Vice-President**, AMT Alumni Committee, Vidyasagar University.(2023 to till date)
- ❖ Organizing member (**Jt. Secretary**) of the Departmental Seminar entitled “Culture and Management Practices of Indian Major Carps” held on 10.09.2015 at Ramnagar College.
- ❖ Organizing member (**Jt. Convener**) of the two day National Seminar entitled “Frontiers of Fisheries Research: Problems and Prospect” held on 31st January to 1st February, 2019 at Vidyasagar University.
- ❖ **Member** of “**Banga Matshya Yojana**”, Purba Medinipur Committee, Dept. of Fisheries, Govt. of West Bengal.
- ❖ Organizing member (**Jt. Convener**) of the National Level Seminar entitled “Present Scenario and prospects of Aquaculture in West Bengal” held on 28.03.2023 at Ramnagar College.

**Computer Proficiency:**

- ✚ Basic knowledge on Microsoft- Word , Excel, Power-point , Publisher and other basic things
- ✚ Can operate computers and internet with ease

**Course/ Subject Taught:** Industrial Fish and Fisheries (Major), Aquaculture Management (Hons.) and Fisheries Science (PG).

**Declaration:**

I, Dr. Pijush Payra do hereby declare that all the statement made in this CV are true, complete and correct to the best of my knowledge and belief.



Date: 21.01.2025

Place: Ramnagar

**(Pijush Payra)**