



**MEGHNA**

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## Education

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### Patna University

2016-18

**M.Sc. Zoology (GPA: 3.5/4)**

**M.Sc. Thesis** - Social status of fisher community of the fish markets of Patna Bihar

**Advisor** - Dr. Bibha Kumari

**Abstract** - This thesis was aimed at emphasizing the necessity of informal education and properly monitored training programs for the fishers to improve their potential to contribute in their overall social upliftment. We conducted a well-structured questionnaire survey comprising of several parameters including gender status in fish value chain, Education, technical proficiencies, experience and problems faced by them. We aimed at highlighting the vulnerable situation of fisherwomen and gender based discrimination dominance and violence faced by them, poor literacy level and technical proficiency of the fisherfolks and the issues associated with it.

### Patna University

2013-16

**B.Sc. Zoology(Hon.) (GPA: 3/4)**

## National and International Conferences

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- Oral presentation on “**Study of Social Status of Fishing Communities in Patna, Bihar, India,**” at Aqua 2018, International Conference and Exposition, August 25-29 (2018), Montpellier, France organized by World Aquaculture Society (WAS).
  - Oral presentation on “**Study of the deteriorating social status of fisherwomen in Patna’s Fish market, Patna, Bihar, India,**” at the 7th Global Symposium on Gender in Aquaculture and Fisheries, October 18-21, 2018, Bangkok, Thailand.
  - Oral presentation on “**Study of the hygienic status of Patna’s fish market,**” in National seminar on Environmental Challenges: Monitoring, Assessment and Remediation, organized by Department of Zoology, Patna University and Centre for Environment and Energy Development (CEED), March 21-22, 2018, Patna, Bihar, India.

## Training and Certifications

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### Certification in Genetic and Genomic Data Analysis in Aquaculture

19th Sep – 28th Sep 2019

ICAR - Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar

#### Skills learned:

- ☐ Estimation of genetic parameters
- ☐ Quantitative genetic methods for complex traits
- ☐ Selective breeding and its application in inland aquaculture
- ☐ Basic tools and databases for computational analysis

- ☐ Genome sequencing and assembly
- ☐ Transcriptome sequence analysis
- ☐ Next generation sequencing

### **Certificate course in River Life Management System (RLMS)**

**Biodiversity, Dolphin Conservation and Aquaculture Management** 14<sup>th</sup> June – 15<sup>th</sup> July 2019

**Asian Development Research Institute (ADRI), Patna**

#### **Skills learned:**

- ☐ River ecosystem,
- ☐ Biodiversity (threats and relevance)
- ☐ Freshwater Dolphin Conservation
- ☐ Fisheries Management (Composite fish culture, Integrated fish farming and ornamental fisheries)
- ☐ Cleaner Production/Waste minimization

### **Aqua-clinics and Aqua-preneurship Development Certification**

26<sup>th</sup> Feb – 25<sup>th</sup> Mar 2019

**ICAR – Central Institute of Fisheries Education, Kolkata**

#### **Skills learned:**

- ☐ Freshwater Aquaculture
- ☐ Water and Soil parameters
- ☐ Nutrition and feeding strategies
- ☐ Brood-stock management
- ☐ Seed production and Pond preparation

### **Others**

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#### **Scientific Programming Skills**

- ☐ SAS(Genetic parameters estimation)
- ☐ Bioconductor, R

#### **Laboratory Skills**

Water quality analysis, Cell culture techniques, Histo-chemical tests, Biochemical separation techniques, Polymerase chain reaction (thermal cycler), Micrometry, Morphometric and meristic analysis  
Aquaculture management

#### **Research Interests:**

- ☐ Biodiversity
- ☐ Freshwater ecology
- ☐ Aquaculture
- ☐ Fish resource, economics and extension

**English:** IELTS band score:7

## Reference

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