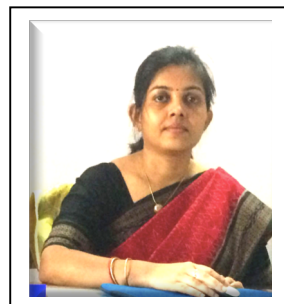


Academic Profile

Name : Dr. Jyotirmayee Pradhan
Designation: Assistant Professor
Department: Zoology
Mob : 9337335129
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Educational Qualification: M.Sc., PhD
Specialization: Biochemistry

Affiliation:

Asst. Professor of Zoology, KKS Women's College, Balasore

Extra Institutional Affiliation:

- Govt. College (Autonomous), Angul, Odisha as **Lecturer in Zoology** (Adhoc): June'14- Jan'18
- P.G. Department of Zoology, Utkal University, VaniVihar, Bhubaneswar, Odisha **Research Associate:** Jan'13- June'14
- Fish Health Management Division, ICAR-Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar as **Research fellow** under DBT project "Development of DNA vaccine to combat *Edwardsiella tarda* infection in commercially important food fishes". May'12-Aug'12
- Fish Health Management Division, ICAR-Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar as **DST Women Scientist (WOS-A)**, Govt. of India: Oct'08-Sep'11
- Fish Health Management Division, ICAR-Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar as **Senior Research Fellow** on a topic entitled "Studies on algal association in freshwater pond system with reference to bioactive compounds".
 - Sep'03-Sep'05

Publications: Journals: 30

Books/Book chapters: 03

Selected Publications:

- **Pradhan J.** and Das B.K. (2021) Effect of ethanolic extract of *Euglena viridis* on enzymatic profiles *Labeo rohita* (Ham.) and protection against *Aeromonas hydrophila* infection. *J. Inland Fish. Soc. India*. 53 (3&4): 194-200.
- **Pradhan J.**, Sahu S., Nayak K.K. and Das B.K. (2021). Effect of dietary supplementation of *Euglena viridis* on growth performance and selected serum biochemical parameters in *Labeo rohita* (Hamilton, 1822) fingerlings. *Indian J. Fish.*, 68(1): 56-64. ISSN No. 9706011.
- **Pradhan J.**, Das B.K. and Sahu S. (2018). Evaluation of antibacterial and haemolytic activity of phytochemicals from freshwater microalgae, *Euglena viridis* (Ehren). *International Journal of Pharmacy and Pharmaceutical Sciences*. 10(9): 98-104. ISSN-0975-1491.
- **Pradhan, J.** and Das B. K. (2015) Effects of Supplementation Diet Containing *Microcystis aeruginosa* on Haematological and Biochemical Changes in *Labeo rohita* infected with *Aeromonas hydrophila*. *Journal of Aquaculture Research and Development*. 6(3): 01-06. (Imp.factor-1.3), ISSN: 2155-9546
- **Pradhan, J.**, Das B. K., Sahu S. and Marhual N.P. (2015). Effect of dietary *Chlorella vulgaris* on enzymatic profiles of rohu, *Labeo rohita* (Ham.) infected with *Aeromonas hydrophila*. *Indian Journal of Fisheries*. 62(2): 132-136. Imp. Fact. 0.198, ISSN: 0970-60141

- **Pradhan, J.** and Das B.K. (2014). Antibacterial activity of freshwater microalgae: A Review'. *The African Journal of Pharmacy and Pharmacology*. 8(32): 809-818. (Imp. factor- **0.88**). ISSN No. 1996-0816
- Das B. K., **Pradhan J.**, Sahu S., Marhual N.P., Mishra B. K. & Eknath, A. E. (2013). *Microcystis aeruginosa* (Ku'tz) incorporated diets increase immunity and survival of Indian major carp *Labeo rohita* (Ham.) against *Aeromonas hydrophila* Infection. *Aquaculture Research*. 44 (6): 918–927. (Imp. Factor- **1.38**), ISSN. 1365-2109
- **Pradhan J.**, Das B.K., Sahu S., Marhual N. P., Swain A.K., Mishra B.K. and Eknath A.E. (2012). Traditional antibacterial activity of freshwater microalgae *Spirulina platensis* to aquatic pathogens. *Aquaculture Research*. 43(9):1287–1295. (Imp. factor- **1.38**). ISSN-1365-2109
- Das B.K., **Pradhan J.** and Sahu S. (2009). The effect of *Euglena viridis* on immune response of rohu, *Labeorohita* (Ham.). *Fish and Shellfish Immunology*. 26(6): 871-6. (Imp.factor- **3.38**), ISSN No. 0974-4398.
- Sahu S., Das B.K., Mishra B.K., **Pradhan J.** and Sarangi N. (2008) Effect of dietary *Curcuma longa* on enzymatic and immunological profiles of rohu, *Labeo rohita* (Ham.) infected with *Aeromonas hydrophila*. *Aquaculture Research*. 39(16):1720–30. (Imp. factor- **1.38**). ISSN-1365-2109.
- Sahu S., Das B.K., Mishra B.K., **Pradhan J.** and Sarangi N. (2007). Effect of *Allium sativum* on the immunity and survival of *Labeo rohita* infected with *Aeromonas hydrophila*. *Journal of Applied Ichthyology*. 23(1):80-86. (Imp. Factor- **0.867**), ISSN No. 1439-0426.
- Misra C.K., Das B.K., Mukherjee S.C. and **Pradhan J.** (2007). Effect of dietary vitamin C on immunity, growth and survival of Indian Major Carp *Labeo rohita*, fingerlings. *Aquaculture Nutrition*. 13 (01): 35-44. (Imp. factor- **1.39**), ISSN 1365-2095.
- Sahu S., Das B.K., **Pradhan J.**, Mohapatra B.C., Mishra B.K. and Sarangi N. (2007). Effect of *Magnifera indica* kernel as a feed additive on immunity and resistance to *Aeromonas hydrophila* in *Labeo rohita* fingerlings. *Fish & Shellfish Immunology*. 23 (1): 109-118. (Imp.factor- **3.38**), ISSN No. 1050-4648
- Rao Y.V., Das B.K., **Pradhan J.** and Chakrabarti R. (2006). Effect of *Achyranthes aspera* on the immunity and survival of *Labeo rohita* infected with *Aeromonas hydrophila*. *Fish & Shellfish Immunology*. 20(03): 263-273. (Imp.factor-**3.38**).ISSN No. 1050-4648
- Das B. K., **Pradhan J.**, Pattnaik P., Samantaray B. R. and Samal S. K. (2005). Production of antibacterials from freshwater algae *Euglena viridis* (Ehren). *World Journal of Microbiology and Biotechnology*. 21: 45-50. (Imp.factor- **1.779**), ISSN: 1573-0972
- Misra C.K., Das B.K., **Pradhan J.**, Pattnaik P., Sethi S. and Mukherjee S.C. (2004). Changes in lysozomal enzyme activity and protection against *Vibrio* infection in *Macrobrachium rosenbergii* (De Man) post larvae after bath immunostimulation with β - glucan. *Fish & Shellfish Immunology*. 17 (4): 389-395. ISSN No. 1050-4648 (Imp.factor- **3.381**)

Selected Seminars/Conferences Attended: 17

- Presented Paper in **National Conference** on “Trends and Progress of Animal Sciences” on Algal Immunostimulants for Fish: An Overview of Research, PG Dept. of Biosciences & Biotechnology, Fakir Mohan University, Balasore from 5th to 6th February, 2020.
- Presented Poster in 107th Indian Science Congress, Science and Technology: Rural Development at University of Agricultural Sciences, Bangalore from 3rd January to 7th January, 2020.
- Presented paper in 29th All India Congress of Zoology (29th AICZ) & **International Symposium** on Culture Based Fisheries in Inland Open Waters & International Satellite Symposium on Fish Immunology (June 9-11, 2017), at CIFRI, Barrackpore, Kolkata, West Bengal.

Workshops/ Training: 15

Refresher/ Summer/Winter School : 06

Administrative Assignments: OIC: Time Table

OIC: College website

Member: IQAC

Extraordinary Feats:

Received Congress of Zoology Medal for outstanding Research and Academic Contribution in the Field of Biochemistry from Zoological Society of India in 29th All India Congress of Zoology in 2017.

Major Project availed

1. **DST Women Scientist (WOS-A)** Scheme from Ministry of Science and Technology Government of India (2008-2011)
Title: “Extraction and purification of bioactive compounds from freshwater micro algae and its effect on fish immune system”
2. **Science & Technology Department, Govt. of Odisha (2020)**
Title: Synthesis and Characterisation of Chitosan Nano particle and its Effect on Immune Response of Indian Catfish, *Clarias magur* (Hamilton, 1882)

Life Membership

- The Indian Science Congress Association
- Association of Aqua culturists
- Odisha Bigyan Academy
- Zoological Society of India

