



National Bureau of Fish Genetic Resources

(Indian Council of Agricultural Research)

Canal Ring Road, Dilkusha PO, Lucknow-226002, India



Name Dr P. K. Pradhan

Designation Senior Scientist

Date of birth 05.01.1973

Professional experience Eight Years

Qualification M.F.Sc., Ph.D.

Area of Research Expertise Fish Disease Diagnosis and Immunology



Current areas of Research

- Use of polymerase chain reaction for detection of *Aphanomyces invadans* for surveillance
- Immune response of Indian major carps against *Aphanomyces invadans*
- Study of fish larval organogenesis

Awards/ Recognitions

- **Best Teacher Award** for the years 2003-2007 at College of Fisheries under Central Agricultural University, Agartala, Tripura

Publication (no.)

- **Research papers** 8
- **Reviews** 3
- **Book Chapters** 3
- **Popular articles** 1

Important Research Publications

Pradhan P K, Mohan C V, Shankar K M and Kumar M B (2010). Injection of forty -five day old fingerlings of common carp with zoospores of *Aphanomyces invadans* leads to histopathological lesions suggestive of Epizootic Ulcerative Syndrome (EUS). *Asian Fisheries science*, (in press)

Pradhan P K, Mohan C V, Shankar K M and Kumar M B (2008a). Susceptibility of fingerlings of Indian major carps to *Aphanomyces invadans*. *Asian Fisheries science*, **21(4)**, pp.369-375.

Pradhan P K, Mohan C V, Shankar K M and Kumar M B (2008b) Inflammatory response in Indian major carp, *Catla catla* and barb, *Puntius cauveriensis* to *Aphanomyces nvadans* and Freund's complete adjuvant. *Asian Fisheries science*, **21(4)**: pp.385-394.

Pradhan P K, Mohan, Shankar C V, K M and Kumar M B. 2008c. Infection experiments with

Aphanomyces invadans in advanced fingerlings of four different species of carp. In. *Diseases in Asian Aquaculture- VI*(eds. M.G. Bondad-Reantaso, C.V. Mohan, M. Crumlish and R.P.Subhasinghe), pp. 105-114. Fish Health Section, Asian Fisheries Society, Manila.

Pradhan P K, Mohan C V, Shankar K M and Kumar M B (2007a). Sequential inflammatory response of fingerlings of Indian major carps to *Aphanomyces invadans*. *Indian Journal of Fisheries*, **54(4)**: pp.389-396

Pradhan P K, Mohan C V, Shankar K M, Kumar M B and Devaraja Gayathri (2007b). Yearlings of Indian major carps resist infection against the Epizootic ulcerative syndrome pathogen, *Aphanomyces invadans*. *Current Science*. Vol. **92(10)**: pp.1430-1434.