

**Dr. Rakesh B. Pandey**  
**M.Phil., Ph.D. A.M.U., Aligarh**  
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**Serving from 2003 in this College**



**Specialization:** Fish & Fisheries

**M. Phil. on:** “Biochemical and Phylogenetic Studies on Parvalbumins in some Fish Species.

**Ph.D. on:** “Biochemical Characterization of some Polymorphic proteins in *Clarias batrachus*”.

**Fellowships availed During Research:**

(a) **U.G.C. Fellowship :** As a Research Project Assistant

**Project entitled;** “Studies on Base Sequence Divergences in Mit. DNA and Transferrin Polymorphism as the Basis of Discerning Population and Phylogeny.

(b) **I.C.A.R. Fellowship :** As a Senior Research Fellow

**Project entitled;** “Biochemical Studies on Protein Polymorphism in *Clarias batrachus*.

(c) **A.M.U. Fellowship :** As a Research Fellow

**Research Publications :** Seventeen

**A) Research Papers:**

- 1- **Pandey, R.B.** and A. Hasnain, 1994. Protein polymorphism in muscle myogens of *Heteropneustes fossilis*. *Curr. Sci.*, **66** (11): 870-871.
- 2- Hasnain, A., **Pandey, R.B.** and S.H. Arif, 1999. An electrophoretic evaluation of thermostable proteins of muscle myogen as biochemical markers of *Heteropneustes fossilis* (Bloch). *J. Appl. Zool. Res.*, **10**(2):155-159.
- 3- **Pandey, R.B.**, Jabeen, M., Arif S.H., Ahmad, R. and A. Hasnain, 2000. Protective effect of Ethylene glycol during frozen storage of some fish hemoglobins. *Bionotes.*, **2**(4): 82.
- 4- Jabeen, M., Arif, S.H., **Pandey, R.B.** and A. Hasnain, 2001. Identification of an Ulcerative disease sensitive phenotype of Air-Breathing Murrel (*Channa gachua*) with the help of polymorphism in serum albumin. *Proc. National Symp. on fish health management and Sustainable Aquaculture.*: held at Pantnagar: 149-154.
- 5- Hasnain, A., Arif, S.H., Ahmad, R. and **R.B. Pandey**, 2005. Identification of Species-Marker Bands in Native and SDS-PAGE Patterns of Soluble Muscle Proteins of Four Species of Genus *Channa* (Channidae: Channiformes) with Evidence of Some Intraspecies Heterogeneity. *Asian Fishe. Sci.* (**Manila, Philippines**), **18**:49-58.

- 6- Ahmad, R., Khan, K.A., **Pandey, R.B.** and A. Hasnain, 2007. Differences in Thermal Aggregability of polymorphic Soluble Muscle proteins of *Channa Punctatus* (Channidae: Channiformes). *Asian Fishe. Sci.* (**Manila, Philippines**), **20**:309-318.
- 7- Ahmad, R., **Pandey, R.B.**, Arif, S.H., Nabi, N., Jabeen, M. and A. Hasnain, 2012. Polymorphic  $\beta$  and  $\gamma$  Lens Crystallins Demonstrate Latitudinal Distribution of Threatened Walking Catfish *Clarias batrachus* (Linn.) Population in North-western India. *J.Biol.Sci.* (**Asian Network for Scientific Information**), **12(2)**:98-104.
- 8- **Pandey, R.B.**, Hasnain, A. and N. Nabi, 1996. Fertilization and survival rates of Asian Catfish *Heteropneustes fossilis* larvae and Induced Breeding. *Proc. 83<sup>rd</sup> Ind. Sci. Cong.* Part-III, held at Patiala : 61.
- 9- **Pandey, R.B.** and N. Nabi, 1996. Effect of some physiochemical parameters on the Induced Breeding of Asian Catfish *Heteropneustes fossilis* (Bloch). *Proc. Fourth Ind. Fish Forum of Asian Fishe. Society.*, Held at Kochi : 118.
- 10-**Pandey, R.B.** and A. Hasnain, 1997. Electrophoretic studies on Heat Stable sarcoplasmic proteins from four species of Genus *Channa*. *Proc. 84<sup>th</sup> Ind. Sci. Cong.* Part-III. Held at Delhi : 70.
- 11-Hasnain, A., Nabi, N. and **R.B. Pandey.** 1997. Differential Display: Principles, Strategies and applications in Developmental Genetics *Proc. National Sympo.on Dev. Biol.* held at Bhubaneswar: 79
- 12-Jabeen, M., Arif, S.H., **Pandey, R.B.** and A. Hasnain, 2000. Identification of an Ulcerative disease sensitive phenotype of *Channa gachua* with the help of serum albumin polymorphism. *Proc. National Symp. fish health management and Sustainable Aquaculture:* held at Pantnagar : 58:59.
- 13-Ahmad, R., **Pandey, R.B.**, Arif, S.H. and A. Hasnain, 2000. Genetic polymorphism in Eye lens nuclei crystallins of *Clarias batrachus* Linn. Along the western belt of Uttar Pradesh. *Proc. National Seminar Zool. 21<sup>st</sup> Century* held at Goa: 48.
- 14-**Pandey, R.B.** and A. Hasnain, 2002. Intraspecies Polymorphism in Thermostable soluble muscle proteins of *Channa punctatus* Bl. and their specificity in three other species of Genus *Channa* Gronov. *Proc. Second Ind. Fishe. Sci. Cong.* held at Bhopal: 92.
- 15-**Pandey, R.B.**, Ahmed, R. and A. Hasnain, 2004. Parvalbumin Polymorphism in *Clarias Batrachus* Populations in Aligarh and some Surrounding Districts. *Proc. Third Ind. Fishe. Sci. Cong.* held at New Delhi : 77.
- 16-**Pandey, R.B.** and A. Hasnain, 2018. Biochemical characterization of some Polymorphic Muscle proteins in *Clarias Batrachus* (Linn.). *International Sympo.on Indiscriminate Development (IDCSC)*. held at Allahabad : 212.
- 17-**Pandey, R.B.** and A. Hasnain, 2018. Biochemical characterization of some Polymorphic hemoglobin proteins in *Clarias Batrachus* (Linn.). *National Seminar on Environmental Issues and sustainable development.* held at Bhogaon, Mainpuri : 99.