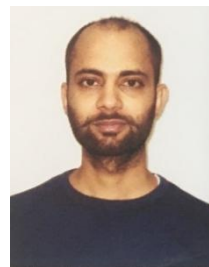


**Pankaj Soni**  
**M.Sc. Biotechnology, NET**  
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**Lucknow (INDIA)**



**Educational Qualifications:**

- 1- Post-graduation (M.Sc. in Biotechnology) from B.N.D.PG College (C.S.J.M.) University Kanpur, Uttar Pradesh (INDIA) secured 61.95% marks, 2010.
- 2- Graduation (B.Sc. in Botany, Chemistry and Zoology) from Bundelkhand University, Jhansi, Uttar Pradesh (INDIA) secured 66.74% marks, 2008.
- 3- Intermediate (12th) and High School (10th) passed in first division with 66.40 and 60.10% marks from SVM College, Mahoba U.P. INDIA, affiliated to U.P. Board in year 2004 and 2002 respectively.

**Position held:**

**1. Kuruom School of Advanced Science (KSAS) Lucknow, India (April 2022- present)-  
Research Associate:**

Responsibilities- Research in the area of cell culture, in vitro assays, microbiology, protein biology, neuroscience and cancer biology.

Specifically isolation and purification of recombinant protein from mammalian cell based and bacterial culture based systems, UV/VIS spectrophotometry, SDS-PAGE, western blotting etc. Maintenance and development of new cell lines, in vitro assays, fluorescence microscopy, karyotyping, transfection and clone selection. DNA and RNA isolation, PCR and RT-PCR. Working in different project as a team member. Writing research and review articles and grant proposals.

**2. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, India (October 2022-  
March 2022- Scientist:**

Responsibilities- To perform RT-PCR test for covid-19, Team management, State portal management for covid reports, Human lung cell culture, Human lung cell line maintenance.

**3. Indian Council of Agriculture Research- National Bureau of Fish Genetic Resources (ICAR-NBFGR), Lucknow- Senior Research Fellow (Molecular Biology and Biotechnology Division):**

Responsibilities- Maintenance of fish cell lines repository and development of new fish cell lines, experiment designing, DNA barcoding, mammalian cell culture and maintenance, carrying out different in vitro assays, plating efficiency, doubling time etc.

**4. Indian Council of Agriculture Research- National Bureau of Fish Genetic Resources (ICAR-NBFGR), Lucknow- Senior Research Fellow (Fish Health and Management Division):**

Responsibilities- Phd work, to perform Isolation and culture of *Aphanomyces invadans* (Oomycete) and its maintenance, Hybridomas development, DNA barcoding, ELISA,

Western blotting, Mammalian cell culture, Host pathogen interaction *in vitro*, Data interpretation and management.

**5. Council of Scientific and Industrial Research-National Botanical Research Institute (CSIR-NBRI), Lucknow- Project Assistant:**

Responsibilities- Collection of teak seedlings from different regions, DNA isolation and barcoding, RNA isolation for transcriptomics.

**Awards:**

- 1- National Eligibility Test conducted by Indian Council of Agricultural Research (ICAR-NET) New Delhi (INDIA), 2016.
- 2- Nominated as president of department of Botany for securing highest marks during second year of graduation.

**Accomplishments:**

- 1- Completed post graduate dissertation work at Council of Scientific and Industrial Research-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow (Uttar Pradesh, INDIA) entitled “Methods for Assessment of Male Reproductive Toxicity of Phthalate Plasticizer using *Drosophila melanogaster* as a model organism”.
- 2- Developed several new fish cell lines capable of complementing whole fish studies.
- 3- Trained more than 25 candidates in field of cell culture from year 2017 to 2020.

**Research interest:**

Cell culture, Therapeutic proteins, Cell biology, Cancer biology, Molecular biology

**Publications:**

**Review Articles:**

- 1- An overview on potential of in vitro studies and transcriptomics for cancer. **Pankaj Soni**, Shalini Gupta, Shaienda Laeeq, MLB Bhatt; **Cancer Reports and Reviews**; 1(5): 1-5 2017.

**Research articles:**

- 1- Development, characterization and application of a new epithelial cell line from caudal fin of *Pangasianodon hypophthalmus* (Sauvage 1878). **Pankaj Soni**, Pravata K Pradhan, TR Swaminathan, Neeraj Sood; **Acta Tropica** (2018) 182:215-222.
- 2- Establishment and Characterization of eye muscle cell Line from Snow Trout, *Schizothorax richardsonii* (Gray, 1832), a vulnerable coldwater fish, for in vitro studies. Murali Sanjeev Kumar, **Pankaj Soni**, Neha Singh, Ravindra Kumar, Shreya Srivastava, Akhilesh Kumar Mishra, Vijay Kumar Singh, Basdeo Kushwaha; **Turkish Journal of Fisheries & Aquatic Sciences** (2020) 21(2), 95-105.
- 3- Establishment of a testis cell line from *Clarias magur*: a potential resource for in-vitro applications. Neha Singh, **Pankaj Soni**, Basdeo Kushwaha, Murali Sanjeev Kumar, J. K. Srivastava, Shreya Srivastava, Akhilesh Kumar Mishra & Ravindra Kumar. **The Nucleus** (2021) 64:211-217.
- 4- Development of caudal fin cell line from Hill trout *Barilius bendelisis* (Hamilton, 1807) for cytotoxicity and transfection studies. Murali Sanjeev Kumar, **Pankaj Soni**, Ravindra Kumar, Neha Singh, Shreya Srivastava, Akhilesh Kumar Mishra, Vijay Kumar Singh, Basdeo Kushwaha; **Croatian journal of Fisheries** (2021) 79,15-24.

### **Abstracts and paper presentations:**

- 1- Establishment and characterization of an epithelial cell line from caudal fin of air-breathing catfish, *Pangasianodon hypophthalmus* (Sauvage 1978). **Soni P**, Pradhan PK, Swaminathan TR, Sood N; International Symposium on Aquatic Animal Health and Epidemiology for Sustainable Asian Aquaculture; ISAAHE-075, 21-22 Apr. 2017.
- 2- Evaluating the immunomodulatory properties of plant extracts using Catla Thymus Macrophage cell line. DK Chaudhary, Neeraj Sood, A Pal, TR Swaminathan, DK Verma, **Pankaj Soni** and PK Pradhan 10<sup>th</sup> Indian Fisheries and Aquaculture Forum (10IFAF) and 5<sup>th</sup> Global Symposium in Aquaculture and Fisheries (GAF5); AAH-92, 12-15 Nov.2014.
- 3- Development and characterization of a cell line from fin of *Bariliusbendelisis*; Murali S, **Pankaj Soni**, Basdeo Kushwaha, Neha Singh, Shreya Srivastava, Akhilesh Kumar Mishra, Ravindra Kumar; XIV Agricultural Science Congress, 20-23 February, 2019, NASC, Pusa, New Delhi, India.
- 4- Establishment and characterization of a muscle cell line from *Danio rerio* for in vitro Applications; Basdeo Kushwaha, **Pankaj Soni**, Murali S, Neha Singh, Shreya Srivastava, Akhilesh Kumar Mishra, Ravindra Kumar; XIV Agricultural Science Congress, 20-23 February, 2019, NASC, Pusa, New Delhi, India.
- 5- Development of cell lines from *Clariasmagur* and toxicity assessment of heavy metal; Neha Singh, Basdeo Kushwaha, J K Srivastava, **Pankaj Soni**, Murali S, Shreya Srivastava, Ravindra Kumar; XIV Agricultural Science Congress, 20-23 February, 2019, NASC, Pusa, New Delhi, India.