

Profile:



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Biology has been my passion since childhood. My childhood inquisitiveness for living world help me to build my interests in this field later in life now I am an undergrad level teacher. My core area being cancer biology, molecular biology, cytogenetics, Environmental biology and Evolution. My Research area focuses on Uterine- cervix cancer which is a leading cause of female morbidity and mortality worldwide, its causative agent Human Papilloma virus and role of cellular Transcription factors in cancer progression.

ANAND PRAKASH

Assistant Professor
Head of the Department

Department of Zoology
S. V. P. College, Bhabua
Kaimur- 821101(Bihar)

EDUCATION

Matriculation

Year of passing: 2000
[School- Yogoda Satsanga Vidyalaya, Ranchi,
Board B.S.E.B- Patna
Division- 1st]

Intermediate in Science

Year of passing: 2002
[College - Yogoda Satsanga Mahavidyalaya, Ranchi,
Board J.I.E.C- Ranchi
Division 1st]

Bachelor in Science (Zoology Hons.)

Year of passing: 2005
[College- Yogoda Satsanga Mahavidyalaya, Ranchi,
University: Ranchi University, Ranchi
Division 1st]

Master in Science (Zoology)

Year of passing: 2008
[College - Ranchi College, Ranchi,
University-Ranchi University, Ranchi
Division 1st]

PhD in Zoology

Year of passing: pursuing, Registered in 2012
[University- Banaras Hindu University, Varanasi]

OTHER COURSES

- Certificate course in Computer Application
- B.Ed. in Life Science from Banaras Hindu University, Varanasi
- Diploma in statistics and computing from BHU
- Course in Photoshop and coral draw
- NCC, Scouting

SKILLS

- Computer skill in MS Office, Photoshop, Coral draw, Sigma Plot.
- Animal, Human Cell Culture Techniques,
- *Drosophila* culture
- Zooplankton and phytoplankton Diversity and Bioindicator analysis

- Bacterial Culture, Recombinant DNA technology, Cloning

- Molecular Biology and Cancer Biology techniques DNA/ RNA/ Protein Isolation PCR, Site directed mutagenesis, Real Time PCR, RT PCR, Western Blot, EMSA, ChIP, IP, Co-IP, Luciferase Assay, MTT Assay, Immunostaining, Immunohistopathology etc.

- Microscopy, Inverted MS, fluorescence MS, Confocal MS

AWARDS

- GATE 2010
- CSIR-NET 2010 (Dec)
- CSIR- UGC-NET/ JRF 2011(Dec)
- UGC-SRF (Sept 2014)
- ICMR SRF- 2017

Membership of Professional Societies and Journals:

1. Indian Society of Cell Biology (ISCB): Life Member

LIST OF PUBLICATION

- Pandey A, Asthana AK, **Prakash A**, Roy JK, Tiwari I, Upadhyay KK (2019). A selective hydrolytic and restructuring approach through a Schiff base design on a coumarin platform for “turn-on” fluorogenic sensing of Zn²⁺. *Dalton Trans* 48:6 I.F.- 4.02
- Dubey A and **Prakash A** (2017). Rab proteins in human cancer. *Cell biology newsletter* 36:2, 23-29, ISSN: 2349-8307
- Rai A, Singh AK, Sonkar AK, **Prakash A**, Roy JK, Nagarajan R and Mishra L (2016) A smart switchable module for the detection of multiple ions *via* turn-on dual-optical readout and their cell imaging studies. *Dalton Trans* 45: 8272-8277. I.F.- 4.02
- Shweta, Kumar A, Neeraj, Asthana SK, **Prakash A**, Roy JK, Tiwari I and Upadhyay KK (2016). A highly sensitive naphthaoxazole-based cell-permeable ratiometric chemodosimeter for hydrazine. *The Royal Society of Chem* 6: 94959–94966. I. F.- 3.1
- Chandra S, Kumar V, **Prakash A** and Kumari S (2012). Environments and Health Hazards of Phthalate (Di- N- Butyl Phthalate) Present in Plastics. *American-Eurasian Journal of Toxicological Sciences* 4: 170-174 ISSN: 2079-2050
- Ghosh S, Reddy P, Baskey GC, Chakraborty B, **Prakash A** (2012). A comparative and combined approach of isolating genomic DNA from fins of Indian major carps. *Int J of BioSci and Tech* 5:93-98, ISSN: 0974 – 3987.

CONFERENCES, SEMINAR AND WORKSHOP (MOST RECENT)

- Good clinical practice, current regulatory and ethical requirement for conducting clinical trials/ Research in India, Nov- 2019
- One Day awareness Camp to Promote Higher Education in Science For The Visually Impaired Students, Nov -2019
- The international Cell Biology Conference 2018: The Dynamic Cell, Poster presentation, CCMB, Hyderabad 2018
- 9th RNA GROUP MEETING, Poster presentation Oct- 2017
- Gene Environment Interaction in Development Disease and Evolution, Poster presentation, BHU, Varanasi, 2017

- The welcome trust/DBT India, Nature India and Nature Jobs Science Communication & Career Workshop, Jiwaji University, Gwalior, 2016
- XL All India Cell Biology Conference, Jiwaji University, Gwalior Nov-2016
- Karyotype to haplotype and beyond Poster presentation, BHU, Varanasi, 2013
- ICAR 2013, 32nd Annual Convention of Indian Association for Cancer Research & International Symposium: Infection and Cancer, Dr BR Ambedkar Centre for Biomedical Research (ACBR), New Delhi, Participation, 2019
- Biodiversity: Its Conservation and Sustainable Development for Human welfare, Vinoba Bhave University, Hazaribagh, participation, 2012
- National Seminar on Urbanization and Changing State of Environment, 2012