

Dr. ATUL KUMAR TIWARI

(Associate Professor & Head)

School of Environmental Biology,

A.P.S. University, Rewa (M.P.)

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TEACHING EXPERIENCE

- **Associate Professor & Head**

School of Environmental Biology, A.P.S. University, Rewa (M.P.)- Oct 2023- Till date

- **Assistant Professor**

2019-2023

Dr. Bhanvar Singh Porte Govt. College, Pendra (C.G.)

- **Assistant Professor**

2016-2017

Government Science College, Ambikapur (C.G.)

- **Assistant Professor**

2012–2016

Rajkumar Dheeraj Singh Govt. College, Udaipur, Surguja (C.G.)

- **Assistant Professor**

2002-2003

Govt. Art, Commerce and Science College Rampur Naikin, Sidhi (M.P.)

ADMINISTRATIVE EXPERIENCE

- *Chairman, Board of studies, Environmental Biology, A.P.S. University, Rewa (M.P.)*
2024- till date

- **Registrar- 2017 – 2019**

Kushabhau Thakre Patrakarita Avam Jansanchar Vishavidyalaya, Raipur (C.G.) India

PERSONAL DETAILS:

- Fathers Name : Shri. Ugrasen Prasad Tiwari
- Mothers Name : Smt. Siya Dulari Tiwari
- Date of Birth : 22/04/1979
- Permanent Address : Siya Sadan , Gayatri Nagar Near APS university
Rewa, (M.P.) 486003
- Corresponding Address : School of Environmental Biology, A.P.S. University,
Rewa (M.P.) 486003
- Contact : 9589947372
- Nationality : Indian
- Marital Status : Married
- Gender : Male
- Language Known : Hindi, Sanskrit, English

EDUCATION

- **Doctor of Philosophy (Zoology)** **2007**
Awadhesh Pratap Singh University, Rewa, Madhya Pradesh
- **Master of Science (Zoology)** **2002**
Awadhesh Pratap Singh University, Rewa, Madhya Pradesh
- **Bachelor of Science** **1999**
Awadhesh Pratap Singh University, Rewa, Madhya Pradesh

AWARDS

1. Rajya Puraskar in Scouting by Government of Madhya Pradesh in 1996.
2. Certificate for Outstanding Work Under Voter Awareness Campaign (SVEEP) by Collector.
3. Rashtrabhasha Alankaran (2019) by Chhattigarh Mitra avm Chhattisgarh Rashtrabhasha Prachar Samiti
4. Lal Bahadur Shastri Global Award for Biodiversity (2021) by Nehru Gram Bharti,

Prayagraj, UP

PROFESSIONAL AFFILIATIONS

1. Ph.D. Supervisor, Atal Bihari Vajpayee Vishwavidyalaya Bilaspur (CG).
2. Former Ph.D. Supervisor, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
3. Member of Board of Studies, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
4. Former Member of Selection Committee, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
5. Former Member of Inspection Committee, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
6. Former Member of Dissection monitoring Committee, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
7. Former Member of Central Vehicle Coordination Committee, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
8. Former Assistant Coordinator Central Evaluation Dispatch and Collection Committee, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
9. Member of Governing Body of Saraswati College Subash Nagar Ambikapur as a representative of, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
10. Member of Governing Body of Saraswati B.Ed. College Subhash Nagar Ambikapur as a representative of Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
11. Member of Governing Body of K.B. Patel B.Ed. College Chirimiri Korea as a representative of Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).
12. Member of Governing Body of Sham Shikha Mahavidhyava, Rishabh Tirth, Gunji, Chapa (C.G.) as a representative of Shaheed Nandkumar Patel Vishwavidhyala, Raigarh (CG).
13. Former Assistant Coordinator Confidential, Sant Gahira Guru Vishwavidyalaya, Sarguja Ambikapur (CG).

PROFESSIONAL**TRAININGS**

-
- Participated in “15th Orientation Programme” organized by UGC-ASC Guru Ghasidas Vishwavidyalaya, Bilaspur from June 15, 2015 to July 11, 2015 and obtained **Grade A**.
 - Participated in “Interdisciplinary Refresher course on Environmental sciences” organized by UGC-ASC Guru Ghasidas Vishwavidyalaya, Bilaspur from Sep. 1, 2016 to Sep 23, 2016 and obtained **Grade A**.
 - Participated in “Multidisciplinary Refresher course in Life Science :- Synthetic Biology” organized by UGC-ASC Pt. Ravishankar Shukla University Raipur from Dec. 14, 2020 to Dec. 28, 2020 and obtained **Grade A**.
 - Participated in Inter /Multi-disciplinary refresher course in “Environmental Studies & Disaster management” organized by UGC,HRDC, Ranchi University, from Nov. 11, 2021 to Nov. 11, 2021 and obtained **Grade A**

RESEARCH**PUBLICATIONS**

-
1. Identification and ligand-based Virtual screening of 1,4-Dihydropyridine Analogues as Novel Calcium Channel Blockers. (2015) 08; 107-115.
 2. Seasonal biochemical characterization of muscles, liver and ovary of *M. seenghala* from Vindhya region.. 2 (2017) 14-20.
 3. Study on Seasonal density of Zooplankton in Ken River of Panna district (M.P.). 2; Issue 5 2017; pp. 175-181.
 4. Electronic vibrational and structural properties of ethyl (1RS 16 SR) 2 methyl 1H imidazole, 1-oxide by DFT. (2017) 7: 10802-10811
 5. Electronic vibrational and structural properties of methyl picolinonitrile, 1-oxide by DFT (2017) 7: 10793-10801.
 6. Vibrational and structural properties of ethyl (1RS 16SR)-2-methyl-1H-Imidazole, 1-oxide by DFT. (2017) 7: 10; 802-811.
 7. Changes in the carbohydrate content of different tissues of fresh water fish *M. seenghala* in relation to feeding and ovarian cycle region (2017) 4: 111-17.
 8. Assessment of Ecotourism in pench national park Seoni (MP) India. (2018) 7: 7; 1-4.
 9. Seasonal change in the fat content of certain tissues of fresh water fish *M. seenghala* in

- relation to feeding and ovarian cycle region. 3: 2 (2018) 244-247.
10. Census of Rhesus macaque *Macaca mulatta* in Chitrakoot, India.. 3: 2 (2018) 339-341.
 11. Chemical and biological activity of login: A DFT study. (2018) 3: 1; 118-122.
 12. Structure biological activity of IT spectra of Sulphur derivatives of pyrazine using DFT method. (2018) 3: 1; 112-117.
 13. Water quality assessment of Ghunghutta dam of surguja (CG) (2018) 8: 3; 1-3.
 14. Prevalence of bacterial infection in blood among the patients in gurgaon, haryana and their antibiotic susceptibility pattern. (2018) 5; 265-271
 15. Computer assisted drug designing of triazole derivative of noscapine as tubulin binding anti-cancer drug. (2018) 11; 2: 69-75.
 16. Acoustic and morphological based identification of microchiropteran species in chitrakoot district UP India. (2018) 3: 1; 352-357.
 17. Assessment of Ecotourism in pench national park Seoni (MP) India. (2018) 7: 7; 1-4.
 18. Structure biological activity of IT spectra of Sulphur derivatives of pyrazine using DFT method.(2018) 3: 1; 112-117.
 19. Co-infection of hepatitis B and C among HIV patients: A study in Jammu, India. (2019) 22: 16; 274-284.
 20. Environmental pollution and effects on humans and animals. (2019) 6: 2; 8-12.
 21. Biomarkers for screening and monitoring of colorectal cancer.(2019) 16, 4, pp.- 62-68.
 22. A Comprehensive Review on Diagnostic and Therapeutic Strategies for the Management ofPancreatic Cancer. Critical Reviews in Oncogenesis. (2020) 25: 4; 381-404.
 23. Epigenetic modifiers and their potential applications in colorectal cancer diagnosis and therapy. Critical Reviews in Oncogenesis (2020) 25: 2; 95-109.
 24. Curcumin, a traditional spice component, can hold promise against COVID-19. (2020) 886; 173551.
 25. Molecular docking studies on Decenoic acid and its derivatives (Potential Inhibitors) for Covid – 19 Protease. Vol. 5, No. 1 (2020), 18-21.
 26. Salidroside – Can it be a Multifunctional Drug. (2020) 21: 1.
 27. Effect of Vitamin D Supplementation on cardiovascular abnormalities in the obese population: A Systematic Review and Meta-analysis. (2021) 18,1, pp.- 220-229.
 28. Theoretical calculation of electronic parameters, UV spectra and Thermodynamic properties of Benzotriazoles. Vol.1 Jan-December, 2021: P.22-32
 29. CYP1A1 rs4646903 T>C and rs1048943 A>G polymorphisms and the risk of colorectal

- cancer: An updated meta-analysis. (2021) 1-12.
30. Evaluation of Carcinogenic Potential of Surface Adsorbed Hazardous Chemicals on Vegetables and Fruits. (2021) 12: 3; 801-806.
 31. Post-COVID–19 complication and its effect on acute kidney injury. (2021) 7, e18.
 32. Interplay of Nutrition and Psychoneuroendocrineimmune Modulation: Relevance for COVID-19 in BRICS Nations(2021) 12: 769884.
 33. Comparative Water Quality Analysis in Beso River in District Jaunpur, Azamgarh and Ghazipur Uttar Pradesh(2021) 12; 2; 66-71.
 34. Molecular biomarkers for diagnosis, prognosis and clinical management of colorectal cancer.(2022) 19,4, 2022,205-215.
 35. Association of Physical Activity and Socio-economic Status with Obesity and CVD's Anthropometric Markers: Findings from Chhattisgarh Adult Population Study.(2022)19,4,pp.- 369-379.
 36. Limnological studies of ghunghutta dam surguja (c.g.) (2022)11; 6: 1-11.
 37. Condition of environmental degradation in India(2022) 4; 1; 1-4.

PUBLISHED BOOK CHAPTERS

1. Colon Cancer Diagnosis and Therapy Vol-1. Editor: Nagaraju GP, DhananjayShukla, Naveen Vishvakarma. Publisher: *Springer Nature*. USA, 2020
2. Colon Cancer Diagnosis and Therapy Vol-2. Editor: Nagaraju GP, DhananjayShukla, Naveen Vishvakarma. Publisher: Springer Nature. USA, 2020
3. Antimicrobial Resistance: Opportunities and Challenges. Editor: Prabhakar PK, Mishra VK. (eds.) *Nova Science Publishers*, New York, USA. (2020).
4. *Theranostic and Precision Medicine Approach For Female Specific Cancers*.Editor: Nagaraju GP (Series Ed.) A Elsevier. USA, 2020
5. Colon Cancer Diagnosis and Therapy volume 2, Editor: Vishvakarma, Naveen, Springer, Cham, Switzerland.
6. Colon Cancer Diagnosis and Therapy volume 3, Editor: Shukla, Dhananjay; Publisher: Elsevier Inc.
7. Theronostic and Precision Medicine for the management of hepatocellular carcinoma vol-3, Editor: P. Naharaju, Publisher: Elsevier Inc.

8. Theronostic and Precision Medicine for the management of hepatocellular carcinoma vol-2
, Editor: P. Naharaju, S. Ahmad, Publisher: Elsevier Inc.

BOOKS

1. **The catfish: M. seenghala** by Dr. Atul Kumar Tiwari.
2. **Birds of Chitrakoot** by Dr Suryakant Chaturvedi and Dr. Atul Kumar Tiwari.

INVITED LECTURES & PRESENTATIONS

2. *National Workshop on* Passaging of animal cell lines organized by Department of Biotechnology-GGV Bilaspur, Animal cell culture: Techniques and Application (feb. 18, 2022)
3. *National Workshop on* Conservation of natural resources and environment and its importance organized by Govt Swami Vivekanand College TeontharRewa (M.P.) (Mar. 25, 2019)
4. A seminar on Role of elementary education for educational and vocational development of tribal society organized by KalyanikaKendriyaSikshaNiketan, College of education, Amarkantak, M.P. (Mar, 11, 2018)
5. *National Workshop on Animal Cell Culture: Techniques and Application* organized by Department of Biotechnology, Guru Ghasidas Vishwavidyalaya Bilaspur (CG). Cell Culture Techniques and Applications (Jan. 18-24, 2018).
6. *National Seminar on Biodiversity and Sustainable development organized by the Department of Zoology, Govt. PG College, Seoni (MP)* Change in the carbohydrate content of different tissues in fresh water fish (Feb. 11-12, 2017).
7. *X National Conferences on Frontier discoveries and emerging opportunities Organized by* Govt. New Science College, Rewa (MP). Biodiversity and its conservation in special reference to Chhattisgarh (March 25-26, 2017).
8. *National Seminar on Skill Exploration in Biological Sciences* organized by Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Satna M.P. (Mar. 24, 2017)
9. Techniques in genetic engineering organized by Govt. Vivekanand PG College, Manendragarh 8(CG) (Jan. 07, 2016).

10. *National Seminar on Regional Development and Disparity with special reference to Chhattisgarh* Organized by Department of Geography, Rajeev Gandhi, Govt. PG College, Ambikapur (CG) Jan. 16-17, 2015.
11. *National Seminar on Climate change and Human Health* organized by Department of Zoology, and Botany, Govt. Maharaja PG College, Chhatarpur MP. Ecological study of hathi-Phos Cave Udaipur, Surguja (CG) India (Feb. 22-23, 2015).
12. *Nation conference on Farmer in Indian Literature* organized by Govt. Lahiri College, Chirmiri (CG). Globalization and Indian farmer (27-28 Feb 2015).
13. *National Conferences on Clean, Efficient and Affordable future through sustainable energy* organized by Sarguja University, Ambikapur (CG) (March 30-31, 2015).
14. *National seminar on Energy Industry and Environment* organized by Govt. Vivekanand PG College, Manendragarh (CG). Energy goals and Human Health (Oct. 9 2015).
15. *National Seminar on Recent trends in Sciences*. Loyola College, Jashpur (CG) (Jan. 6-7, 2014).
16. *National workshop on Alternative to dissections and Animal Experimentations* organized by CMD PG College, Bilaspur Jan. 11-12, 2014.
17. *VIII National Conferences on Recent Advances in Biodiversity conservation* organized by Govt. New Science College, Rewa (MP). Biodiversity and its conservation in special reference to Chhattisgarh (April, 19-20, 2013).
18. *National Seminar on Importance of livestock in Indian Agriculture* MGCGV, Satna (MP)
March 23-24, 2013.

DECLARATION:

I hereby declare that the above information mentioned by me are true and to the best of my knowledge.



Dr. ATUL KUMAR TIWARI