

MOTIRAM SAHU

Assistant Professor

Department of Botany

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PERSONAL INFORMATION

Name - Mr. Motiram Sahu

Father's Name - Mr. Samman Lal Sahu

Official Address - Department of Botany
Govt. V.Y.T. PG. Autonomous College, Durg
G.E. Road, Near Raipur Naka, Durg 491001 (C.G.) India

Nationality - Indian

Religion - Hindu

Classes Being Taught - B.Sc. & M.Sc.

Specialization - Plant Biotechnology
Molecular Biology

Employment Status - Class – II, Gazatted
Department of Higher Education
Government of Chhattisgarh, India.

EDUCATIONAL INFORMATION

Ph.D. - Biotechnology (Pursuing) – Hemchand Yadav University, Durg

Title - Genetic Polymorphism of Chemokine Receptors among Patients of Sickle Cell Anemia, Registration Date – 16.10.2018

M.Sc. - Biotechnology, Pt.RSU, Raipur – 2015

B.Sc. - Biotechnology, Botany, Chemistry, Pt.RSU, Raipur - 2013

Qualified - CSIR UGC NET – JRF, Life Sciences – 2016
DBT (BET) – JRF – SRF, Biotechnology – 2017
ASRB (ICAR) NET (I), Agriculture Biotechnology – 2017
BCIL (BITP) – Biotechnology - 2015

Orientation - Gurudakshita, Pt.RSU, Raipur - 2022

PATENT

- Anil Kumar, Seema Tripathi, Nikhil Mishra, Dinesh Kumar, Somendra Kumar, and **Motiram Sahu**, A Process for Developing a Potent Lead Compound for Drug Development as Antimicrobial and Antioxidant. Patent Number - 2021106365, Australian Government Patent, 21 August 2021.

PUBLICATIONS

- Tripti Thakur, Somendra Kumar, **Motiram Sahu**, Dinesh Kumar and Anil Kumar (2021). RAPD based relationship study in Fungal Isolates of Food Samples from Durg, India. *Journal of Applied Biosciences*, 46(1, 2):27-31.
- Dinesh Kumar, Somendra Kumar, **Motiram Sahu** and Anil Kumar (2020). Phytochemical Screening and Antioxidant Activity of *Neolamarckia cadamba* and *Cymbopogon citrates* from Durg District of Chhattisgarh, India. *Saudi Journal of Biological Sciences*, 5(12):343-348.
- Dinesh Kumar, Somendra Kumar, **Motiram Sahu** and Anil Kumar (2020). Evaluation of Pharmacological Features and Nanoparticle Formation by *Urena lobata*. *Haya: The Saudi Journal of Life Sciences*, 5(10): 226-235.
- Somendra Kumar, Dinesh Kumar, **Motiram Sahu** and Anil Kumar (2020). FTIR Based Pharmacological Validation of *Bridelia retusa*. *Saudi Journal of Medical and Pharmaceutical Sciences*, 6(10): 658-667.
- Somendra Kumar, Dinesh Kumar, **Motiram Sahu** and Anil Kumar (2020). Pharmacological and Nanobiotechnological aspects of *Gymnema Sylvestre*. *International Journal of Advanced Research* 8(10):901-913.
- **Motiram Sahu**, Somendra Kumar, Dinesh Kumar and Anil Kumar (2020). Bioremediation of Crude Oil Contaminated Soil by Hydrocarbon degrading Bacteria. *International Journal of Advanced Research*, 8(10):866-873.
- Sarita Lingojar, Dinesh Deshmukh, **Motiram Sahu**, Khuman Sahu, Nikhil Mishra, Anil Kumar and Devendra Lingojar (2015). Glycine max isolate SL2 5.8S ribosomal RNA gene, partial sequence; internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence. India Genebank Project, Doi: 10.13140/RG.2.1.1622.1528.
- **Motiram Sahu**, Gautam Das, Nikhil Mishra, Rakesh Dadsena and Anil Kumar (2015). Study of the Genetic Alteration among Tobacco Chewers and Smokers by Micronuclei test. *International Journal of Pharmacology and Biological Science*, 9(2):157-160.

PARTICIPATION IN NATIONAL / INTERNATIONAL SEMINAR / WORKSHOPS

- Participated in Faculty Development Programme on “ICT Tools for Effective Teaching Learning” organized by Kamla Nehru Mahavidyalaya, Nagpur (23-28 May, 2022).
- Participated in “Application of Bioinformatics” jointly organized by Department of Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg and Sai Bioinfosys, Nagpur

(18-20 April, 2022).

- Presented Paper entitled “Genetic Polymorphism of Chemokine Receptor among the Sickled Population of Chhattisgarh” in BioSangam 2022, an International Conference on “Emerging Trends in Biotechnology” organized by Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – India (10-12 March, 2022).
- Presented Paper entitled ‘Genetic Polymorphism of Chemokine Receptor among patients of Sickle Cell Anemia’ in International e-Conference on “Recent Advances in Biological Sciences & Opportunities in Entrepreneurship” organized by School of Studies in Biotechnology & AAB, Pt.RSU, Raipur (7-8 January, 2022).
- Worked as Organizing Committee Member in International Webinar on “Recent Problem and Prospects of COVID-19” organized by Department of Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg (31 May, 2022).
- Participated in “Workshop on CRISPR/Cas-9 Technology” jointly organized by IIT, Kharagpur & Department of Botany and Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg (25-26 February, 2019).
- Worked as Organizing Committee Member in 16th Chhattisgarh Young Scientist Congress – 2018, Sponsored by CGCOST, Raipur, organized by Durg University (27-28 February 2018).
- Presented Poster in National Science Day Celebration – 2015, Sponsored & Catalyzed by CGCOST, Raipur & NCST, Department of Science & Technology, Govt. of India, organized by Govt. V.Y.T. PG. Autonomous College, Durg, Won 1st Prize (28 February, 2015).
- Presented Poster entitled ‘Study of Genetic alteration among tobacco chewers by micronuclei test’ in National Conference on “Prospects of life science for human welfare with special reference to Chhattisgarh” organized by Govt. V.Y.T. PG. Autonomous College, Durg, Won 2nd Prize (7-8 February, 2015).
- Presented Paper entitled ‘Study of “Genetic alteration among tobacco chewers by micronuclei test” on “Integrative Genomics” organized by Shree Shankaracharya Mahavidyalaya, Sector-6, Bhilai (11-12 February, 2014).
- Participated in “Workshop on Bioinformatics” jointly organized by Department of Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg and Sai Bioinfosys, Nagpur (28-30 January, 2014).

AREA OF INTEREST

- Human Molecular Genetics
- Haematology, Hemoglobinopathy, Sickle Cell Anemia

- Plant Molecular Biology & Plant Tissue Culture
- Phytochemistry & Pharmacology
- Bioinformatics
- Evolutionary Genetics
- Microbiology
- Nanobiotechnology

OTHER ACTIVITIES

1. Guest Lecturer - Department of Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg (C.G.) (08.08.2017-31.04.2019).
2. Guest Lecturer - Department of Genetic and Plant Breeding, Sant Kabir College of Agriculture and Research Station, Kawardha (C.G.) (01.01.2015 -31.05.2017).
3. Project work - Studies on identification of *Glycine* species ATG 90 by PCR amplification of ITS2 gene and sequence analysis by molecular phylogenetics approach, from ATG Lab, Pune (01.06.2014 -31.08.2014).
4. Project work - 04 – Students, M.Sc. Biotechnology
Co-supervision

