



Dr. Rashmi Dwivedi

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CURRENT STATUS

- Working as Assistant Professor (Ad - hoc) in Department of Botany, Guru Ghasi Das University (Central University) Bilaspur (CG) from 04/07/2019 in continuation to till date

TEACHING EXPERIENCE

- Teaching & research experience at Guru Ghasi Das University (Central University) Bilaspur (CG) in Botany Department in ad – hoc basis from July 2018 to December 2018 and January 2019 to 21st June 2019.
- One year & four months teaching & research experience at Guru Ghasi Das University (Central University) Bilaspur (CG) in Bio Technology Department in ad – hoc basis.
- One year teaching and research experience at Dr. C. V. Raman University, Bilaspur (CG).
- Supervised Three M. Phil candidates at Dr. CV Raman University Kota Bilaspur (CG)

RESEARCH EXPERIENCE

- Worked as RA/PDF in DST funded project (NCNR) at Pt. Ravishankar Shukla University Raipur CG.

EDUCATIONAL QUALIFICATION

- M.Sc. Final (Biotechnology) from Guru Ghasi Das University Bilaspur (CG)
- Ph.D. with course work for two semesters as per UGC norms from Indira Gandhi Krishi Vishwavidyalaya Raipur (CG) on the topic "Morphological, Biochemical & Molecular Characterization of *Chlorophytum borivillianum* (Safed Musli) in 2007.
- NET exempted as per UGC norms vide Govt. gazette circular no. F.3-1/2008 (PS) Sept. 2009 and F.3 -1/2009 dated 30 June 2010.
- **CG SET 2017, Qualified.**

TECHNIQUES KNOWN

- Plant Tissue culture of different medicinal plants.
- Molecular Biology Techniques like DNA Extraction from Plants, Micro-organisms, Agarose Gel electrophoresis, SDS-PAGE, PCR, Restriction Digestion, Marker techniques like RAPD, RFLP.
- Biochemical Techniques like Column Chromatography, Thin Layer Chromatography (TLC) and HPLC, AAS.

PAPER & POSTER IN SEMINARS

- Presented a paper entitled “ *In-vitro* fertilization held at Guru Ghasidas Vishwavidyalaya, Bilaspur (CG), during the seminar on “50 YEARS JOURNEY OF DNA- A BLUE PRINT OF LIFE& 25 YEARS OF *IN VITRO* FERTILIZATIN”.
- Presented a paper entitled “Utilization of RAPD for assessment of genetic diversity in *Chlorophytum borivilianum*” held at P.G. Department of Botany C.M.D. P.G. College, Bilaspur, during the *National* seminar on “Advancing Frontiers in plant Science : Present Status and Challenges for future” (*NSAFPS-09*).
- Presented paper (poster) entitled “Quantification of saponin constituents of wild accessions of *Chlorophytum borivilianum*” held at Govt. Bilasa Girl’s Autonomous Post-graduate College, Bilaspur (CG), during the National seminar on “Environmental Protection and Preservation: Role of Academic Community” (*NSEPP-09*).
- Presented paper entitled “Green Synthesis: Silver Nanoparticles & Their Efficacy” held at School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (CG), during the National Conference on Recent Trends in Chemical Sciences.
- Presented paper entitled “Phytochemical analysis and quantification of active constituents of important medicinal plants using HPLC” held at School of Studies in Biotechnolog, Pt. Ravishankar Shukla University, Raipur (CG), during the National Conference on “Traditional Knowledge & Biotechnology”.
- Presented paper in National Seminar on “Advances in Molecular Pharmaceutics, Nanomedicine, and Drug Research” organized by Columbia Institute of Pharmacy, Raipur.
- Poster presented in International conference on “Ethnopharmacology & Evaluation of Medicinal Plants – Global Perspective” NCNR, & SFE at Pt. Ravishankar Shukla University, Raipur CG.
- Poster presented in International conference on “Emerging Researches IN Bioscience (ICERB-2018)” organized by Department of zoology, Guru Ghasidas Vishwavidyalaya, Bilaspur (CG).

PAPERS PUBLISHED

- Rashmi Dwivedi* and Davendra Kumar Sharma. Assessment of genetic diversity among collected genotypes of *Chlorophytum borivilianum* using random amplified polymorphic DNA (RAPD) markers. African Journal of Biotechnology, Vol. 10(27), 2011: pp.5268-5272.

- Dwivedi Rashmi. *In Vitro* Regeneration of *Chlorophytum borivillianum* using Different Explants – A Rare Medicinal Herb. Research Journal of Biotechnology, Vol (6) 2011: pp.32-35.
- Rashmi Dwivedi. Green synthesis of Silver Nanoparticle using Terminalia chebula and Assessment of its Antimicrobial Activity Int. J. Pure App. Biosci. 1 (6): 1-6 (2013).
- Rashmi Dwivedi. High performance liquid chromatographic analysis of derivatized saponin content of *Chlorophytum borivillianum*. International Journal of Advanced Research, Vol. 1 (7), 2013: pp. 285-291.
- Rashmi Dwivedi. Silver Nanoparticles ecofriendly green synthesis by using two medicinal plant extract. International Journal of Bio-Technology and Research (IJBTR), Vol. 3 (4), 2013: pp. 61-68.
- Rashmi Dwivedi. The study of morphological characteristics of *Chlorophytum borivillianum* accessions from chhattisgarh natural habitats. International Journal of Agricultural Science and Research (IJASR), Vol. 3, (4), 2013: pp. 31-38.

PROFESSIONAL TRAINING & WORKSHOP ATTENDED

- 15 Days Training at Zydus Cadila Health Care Ltd. Ahmedabad.
- Project work on **Identification of Alleles Specific Restriction Site in *Kappa* Casein (*k-CN*) Gene of Buffalo Genome to Device a PCR – RFLP Analysis** in Indian Veterinary Research Institute, Bareilly (UP) Under Dr. Satish Kumar (Principal Scientist).
- Training course on “Recombinant DNA and Molecular Marker Technology A Hands on Workshop” at Department of Biotechnology, Raipur (CG).
- Attended the UGC Sponsered National Seminar on “Recent Advances in Biochemical Researches Related to Separation of Biomolecules “Organized by Department of Botany, Government Agrasen College, Bilha, Bilaspur (CG).
- Participated in the symposium entitled “Biotechnology in Future Medicine” organized by Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (CG).
- Participated in the 6th Chhattisgarh Young Scientist Congress in Biotech, Biochemistry & Bio physics held at Guru Ghasidas Vishwavidyalaya, Bilaspur (CG).
- Participated in the UGC sponsored National Workshop on "Chromatographic and Spectroscopic analysis for Phytoconstituents" organized by University Institute of Pharmacy, Pt. RaviShankar Shukla University, Raipur, (CG).
- Participated in the XIth Chhattisgarh Young Scientist Congress 2013, Organized by Government Nagarjuna Post Graduate College of Science, Raipur, (CG).
- Participated in the Workshop on "Intellectual Property Rights & Innovation Management in Knowledge Era" held on Pt. RaviShankar Shukla University, Raipur, (CG).

COMPUTER SKILLS

- Operating System : Window 98/XP , MS Office
- Certificate course : Computer Applications

PERSONAL DETAILS

Date of Birth : 14th September 1978
Marital Status : Unmarried
Nationality : Indian
Language Known : English & Hindi