

## **Personal profile**

**Dr. Sakshi Gautam**

**Ph.D. (Rural Technology)**

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### **EDUCATIONAL QUALIFICATION:**

B.Sc. (Rural Technology), M.Sc. (Rural Technology) and Ph.D. (Rural technology)

### **TEACHING EXPERIENCE:**

Assistant Professor (*Adhoc* Faculty) in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) from date 01/03/2024 to 31/12/2024.

### **CURRENT STATUS:**

Ad-hoc Faculty in Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

### **RESEARCH PUBLICATION:04**

- ❖ **Sakshi Gautam**, P.R. Singh, D. Kumar, S. K. Bhagat, D. Dixena, "THE 3D MODELING OF HYDROLOGICAL POINTS, FOR WATERSHED DEVELOPMENT IN THE MANENDRAGARH RANGE THROUGH REMOTE SENSING & GEOGRAPHICAL INFORMATION SYSTEM", IJRAR, Volume.6, Issue 2, Page No pp.713-722, June 2019. (Indexed: **UGC ISSN APPROVED**)
- ❖ **Sakshi Gautam**, Ithi Gupta, Rajendra Mehta and \*Bhaskar Chaurasia, "Roots invaders: Morphology and Colonization of dark septate endophytes in invasive plants of tropical dry deciduous forest of Chhattisgarh, India". FLORA AND FAUNA, 2024 Vol. 30 No.2 PP 246-252. <https://doi.org/10.33451/florafauna.v30i2pp246-252>. (Indexed: **WOS, UGC care**)
- ❖ **Sakshi Gautam**, Bhaskar Chaurasia "Colonization pattern of arbuscular mycorrhizal fungi in invasive plant species of tropical dry deciduous forest of Belgahna range of Central India". J Appl Biol Biotech. 3(1):267272. 2025. <http://doi.org/10.7324/JABB.2024.204863>. (Indexed: **Scopus, WOS**)
- ❖ Ithi Gupta, **Sakshi Gautam**, Surbhi Pandey, Rajendra Mehta and Bhaskar Chaurasia, "A Review on Pycnopus sanguineus Based Biotechnological Approaches for Bioremediation of Industrial Waste". KAVAKA 60: 2024 (Indexed: **Scopus, WOS**)

### **PATENT File:**

- ❖ A novel process for development of new substrate-based high-quality inoculum production approach with Sorghum vulgare as a host plant. Application number-202421062685, reference number -TEMP/E 1/72810/2024-MUM

### **Paper presented (Seminar/Conferences):**

1. Sakshi Gautam and Bhaskar Chaurasia (2022) Co-occurrence of Arbuscular Mycorrhizal Association and Dark Septate Endophytes in Roots of Invasive Plant *Senna tora*. in **international e-Conference** on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship, held on 7<sup>th</sup>-8<sup>th</sup> January 2022 Jointly Organized by School of Studies in Biotechnology & Alumni Association of Biotechnology (AAB) Pt. Ravishankar Shukla University, Raipur, India in Academic Partnership with Pt. Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, India.
2. Sakshi Gautam and Bhaskar Chaurasia (2022) "Methods for water quality management and their importance" in the **National Seminar** (Virtual Mode) on "Sustainable Water Resources Management: Challenges, Strategies and Future Prospects" organized by the Department of Rural Technology and Social Development, G.G.V., Bilaspur (C.G.) from March 22<sup>nd</sup> & 23<sup>rd</sup>, 2022.
3. Sakshi Gautam and Bhaskar Chaurasia (2022), Arbuscular mycorrhizal (AM) & dark septate endophyte (DSE) fungal association in roots of Invasive Plant *Senna occidentalis* (L.) in **National Conference** on Fungal Diversity for Sustainable Future: Potential, Progress, Conservation, and IPR Issues. Held on 28-29<sup>th</sup> November 2022. Department of Botany, G.G.V., Bilaspur (C.G.)
4. Sakshi Gautam and Bhaskar Chaurasia (2024), Exploring Diverse AM Fungal Structures in Invasive Plants from Teak Dominated Forests of Bilaspur, Chhattisgarh" in **International Conference** on Biodiversity, Biotechnology and Bioprospects of Fungi for Agricultural, Industrial and Environmental Sustainability" held

on 06.03.2024 - 08.03.2024 Organized by Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai-600025, Tamil Nadu.

5. Sakshi Gautam and Bhaskar Chaurasia (2024), Development of AMF Based GGU Booster Soil TAB for Plant Growth Enhancement: An Innovative Approach in a **National Conference** on Skill Enhancement: A Roadmap to Atmanirbhar Bharat, organized by Gargi College and Sponsored by Indian Council of Social Science Research (ICSSR)

**INTERNSHIP:**

Six Months Internship from Regional Geomatic Center, Bilaspur Van Mandal, C.G from 15<sup>th</sup> January 2018 to 15<sup>th</sup> July 2018.

**WORKSHOP:**

E-Workshop on Quality Control of Arbuscular Mycorrhizal Bio Fertilizers held on 9<sup>th</sup> April 2021 organized by The Energy and Research Institute Deakin Nano biotechnology center.

**TRAININGS:**

- ❖ Training on “Instrumentation & Techniques for Biomedical Research” Organized by Department of Rural Technology & Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) Held on 2<sup>nd</sup> and 3<sup>rd</sup> September, 2016.
- ❖ Training programme on “Floriculture and Landscape” organized by TCB College of Agriculture Research Station, Indira Gandhi Krishi Vishwavidyalaya, Raipur C.G. Held on 29<sup>th</sup> February to 2<sup>nd</sup> March, 2016.
- ❖ Training programme on “wooden Art” Organized by Department of Rural Technology & Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) Held on 21<sup>st</sup> January to 1<sup>st</sup> February, 2016.
- ❖ Training programme on “Waste Paper Art Training” Organized by Department of Rural Technology & Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) Held on 08<sup>th</sup> to 10<sup>th</sup> September, 2017.
- ❖ Training programme on “Handmade Bonsai” Organized by Department of Rural Technology & Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.).
- ❖ Training on “Mulberry and Tasar Nursery, Plantation Disease, New Techniques of Rearing and Post Cocoon Technology” organized by Office of the Joint Director Sericulture Research Development & Training Bilaspur C.G. held on 15.02.2016 to 23.02.2016.

**Declaration:**

I hereby declare that all information given by me is true to the best of my knowledge.



Place: Bilaspur

SAKSHI GAUTAM

Date: 24/06/25