

**Dr. ABHINASHI SINGH SODHI**  
**Assistant Professor**  
Department of Biotechnology  
GGSDS COLLEGE Chandigarh  
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### **Educational Qualifications**

#### **Ph.D.inBiotechnology**

Department of Biotechnology, Panjab University Chandigarh, India (2023)

Thesis title: Production and applications of value added products from agro-industrial waste using fungal isolate.

**M.Sc. Biotechnology**, Department of Biotechnology, GGSDS College, Chandigarh, India

**Bachelor of Science**, Department of Biotechnology, GGSDS College, Chandigarh, India

### **Teaching/Research Experience**

- 11 September 2013-till date

#### **Assistant Professor**

**(Guest**

**Faculty/Adhoc)** in Department of Biotechnology and Department of Bioinformatics, GGSDS College, Chandigarh

Teaching Molecular Biology, Biosafety & Bioethics, Stem Cell and Regenerative Medicine at Post-graduate level.

Molecular Biology, Genetic Engineering, Quality Assurance, Food Microbiology at Undergraduate level.

- Biotechnology and Fermentation Technology

### **Areas of Interest**

#### **Publications**

**(Journal/Book Chapters)**

#### **Major Publications:**

1. Batra, N., Bhatia, S., Sodhi, A.S. and Nayyar, N., 2024. Microbial Diversity Analysis and Bioprospecting from Indian Geothermal Springs. *Geomicrobiology Journal*, pp.1-11.
2. Sodhi, A.S., Sharma, N., Bhatia, S., Verma, A., Soni, S. and Batra, N., 2022. Insights on sustainable approaches for production and applications of value added products. *Chemosphere*, 286, p.131623.

#### **Book Chapters:**

1. Bhatia, S., Tiwari, V., Sharma, N., **Sodhi, A.S.** and Batra, N., (2022) Metagenomic Insights of Human Oral Microbiome. In *Genomic, Proteomics, and Biotechnology* (pp. 155-175). **CRC Press**.
2. Sharma, N., **Sodhi, A.S.**, 2021. Biofuel: Production, Applications and Challenges. In *Basic Concepts in Environmental Biotechnology*, pp.189-198, **CRC Press**.
3. Sharma N., **Singh A.**, Batra N. (2020). Impact of soil plant microbe interaction in metal contaminated soils. In J. Sangeetha, D. Thangadurai, S. Islam (Eds), *Beneficial Microbes for Sustainable Agriculture and Environmental Management*. **Taylor and Francis, New York**,

4. Sharma, N., **Singh, A.**, Bhatia, S. and Batra, N., (2019). Marine Microbes in Bioremediation: Current Status and Future Trends. In *Microbes and Enzymes in Soil Health and Bioremediation* (pp. 133-148). **Springer, Singapore.**
5. Sharma N., **Singh A.**, Batra N. (2019). Modern and Emerging methods of wastewater treatment. *Ecological Wisdom in Restoration Engineering*(pp. 243-247) **Springer, Singapore.**
6. **Singh, A.**,Walia, D., Batra, N. (2018). Fresh cut fruits: Microbial Degradation and Preservation. In A. Grumezescu &A.M. Holban (Eds.), *Microbial Contamination and Food Degradation* 1<sup>st</sup> Edition(pp. 149-176). **Elsevier Publications.**
1. National conference on Global science for global wellbeing, **CHASCON 2023**, Panjab University, Chandigarh (2023).
2. National symposium on ‘**Frontiers in Biotechnology and Alumni Meet**’, Department of Biotechnology, Panjab University, Chandigarh (2020).
3. National Symposium on **Biotechnology: Trends and Innovations** sponsored by DBT, Govt. of India and organized by GGSDS College, Chandigarh (2020).
4. **MICROCON & Punjab Start-up Fest 2019** organized by Dept. of Microbial Biotechnology, Panjab University, Chandigarh (2019).
5. National Symposium on “**Communicable and Non-Communicable Diseases: Latest Therapeutic Interventions**” sponsored by DST, New Delhi and organised by Dept. of Biotechnology, Panjab University, Chandigarh (2019).
6. 9<sup>th</sup> Chandigarh Science Congress ‘**CHASCON**’, Panjab University, Chandigarh (2015).
7. **IPR Seminar: A Global outlook on Biotech and Pharma patents**, GGSDS College, Sector 32-C, Chandigarh (2015).
8. **MICROCON 2015 “Microbes for the Mankind:**

**Seminars/  
Conferences/Symposiums**

**Vision India 2020**", Dept. of Microbial Biotechnology, Panjab University, Chandigarh (2015).

9. **Bio products and Omics revolution**, JIIT, Noida (2013).

10. **'Technology advances in molecular diagnosis: Bedside to bench'**, Dept. of Neurology, **PGIMER**, Chandigarh (2012).

**Refresher  
Courses/Workshops/  
Training Programmes**

1. **NEP2020 Orientation & Sensitization Programme** from 16.01.2024 to 26.01.2024 under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by **UGC-Malaviya Mission Teacher Training Centre (MMTTC), Panjab University, Chandigarh.**

2. Research Skill Development Programme 2018 organised by Dept. of Biotechnology, GGSDS College, Chandigarh in association with **Association of Microbiologists of India (AMI-CHD Unit)** (2018).

3. **Faculty development programme** organized by **Association of Microbiologists of India (AMI-CHD Unit)** and Department of Biotechnology, GGSDS College, Chandigarh (2016)

4. One week **Faculty Development Programme: Research Methodology in Bioinformatics**, P.G. Dept of Bioinformatics, GGSDS College, Chandigarh (2013).

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