

Dr. Suman Yadav

Current position held:

Assistant Professor

Department of Botany

Maharana Pratap Government PG College

Hardoi (U.P.)

Educational Qualification:

Qualification & Year of Passing		University
Ph.D.	2021	Banaras Hindu University, Varanasi
M.Sc. (Botany)	2014	Banaras Hindu University, Varanasi
B.Sc.(Hons.), Botany	2012	Banaras Hindu University, Varanasi

Academic Achievements:

- CSIR-JRF 2015 JUNE
- CSIR-UGC NET 2014 DEC
- GATE 2015
- ASRB NET 2014 (II)

Research Articles published:

1. Yadav, S., Pandey, A. K., & Dubey, S. K. (2021). Molecular modeling, docking and simulation dynamics of β -glucosidase reveals high-efficiency, thermo-stable, glucose tolerant enzyme in *Paenibacillus lautus* BHU3 strain. *International Journal of Biological Macromolecules*, 168, 371-382.
2. Yadav, S., Reddy, B., & Dubey, S. K. (2020). De novo genome assembly and comparative annotation reveals metabolic versatility in cellulolytic bacteria from cropland and forest soils. *Functional & integrative genomics*, 20(1), 89-101.

3. Yadav, S., & Dubey, S. K. (2018). Cellulose degradation potential of *Paenibacillus lautus* strain BHU3 and its whole genome sequence. *Bioresource technology*, 262, 124-131.
4. Yadav, S., Pandey, A. K., & Dubey, S. K. (2022). Evaluation of thermostable endoglucanase in *Paenibacillus lautus* strain BHU3 for yield enhancement. *Systems Microbiology and Biomanufacturing*, 1-16.

Book chapters published

1. Yadav, S., Bhardwaj, Y., Neha, Singh, A. (2019). Functional Genomics and System Biology Approach in Bioremediation of Soil and Water from Organic and Inorganic Pollutants. In: Tripathi, V., Kumar, P., Tripathi, P., Kishore, A. (eds) *Microbial Genomics in Sustainable Agroecosystems*. Springer, Singapore.
2. Neha, Singh, A., Yadav, S., Bhardwaj, Y. (2019). Linking Microbial Genomics to Renewable Energy Production and Global Carbon Management. In: Tripathi, V., Kumar, P., Tripathi, P., Kishore, A. (eds) *Microbial Genomics in Sustainable Agroecosystems*. Springer, Singapore.
3. Yadav, S. (2022). Nondisjunction. In: Vonk, J., Shackelford, T.K. (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham.
4. Yadav, S. (2022). CentiMorgan (cM). In: Vonk, J., Shackelford, T.K. (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham.
5. Yadav, S. (2022). Archaea. In: Vonk, J., Shackelford, T.K. (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham..
6. Yadav, S. (2022). Algae. In: Vonk, J., Shackelford, T.K. (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham.