

	Dr. Shachi Singh
	Department of Botany, MMV Banaras Hindu University Varanasi, INDIA Email:shachi.botmmv@bhu.ac.in
Dr. Shachi Singh is working as an assistant professor of botany at Banaras Hindu University, India. She had done her graduation (B.Sc) and post-graduation (M.Sc) in botany from Banaras Hindu University and did her master's (M.Tech) in biotechnology from BITS, Pilani, Rajasthan, India. She completed her Ph.D. and postdoctoral research work from the Department of Biological Sciences, BITS, Pilani. During her Ph.D. thesis, she had worked on phytochemicals of desert plants, including their chemical and functional characterization. The idea was that, the plants growing under extreme stress conditions, such as high temperature and low water availability, will accumulate important secondary metabolites. She was granted UGC NET fellowship and CSIR-JRF and SRF fellowship during her Ph.D work. She had received a major project from Department of Science and Technology-Science and Engineering Research board (DST-SERB) under young scientist scheme, it was based on enhancing phytochemical production through the process of elicitation. She had also received projects through IOE seed grant and additional seed grant scheme of Banaras Hindu University. In 2024, she was granted INSA visiting scientist award and under this programmed she got an opportunity to work in collaboration with the Phytochemistry division of Council of Scientific and Industrial Research-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP), India. She had also received Science Achiever Award (2025) from All India Ayurvedic Specialist (PG) Association, Woman Scientist Medal (2025) from Indian Botanical Society (IBS) and	

Scientist of the year award (2025) from National Environmental Science Academy (NESA). She has published several papers in highly reputed national and international journals as well as 2 Books and many book chapters, recently a patent had been filled on natural biostimulant. She has supervised 5 research scholars under their Ph.D programme and guided several Masters's dissertation students. She had organized national and international conferences and workshops as well as joined them as invited speaker, session chair or as a judge for the presentations. Currently, her research group is working on medicinal plants, the study includes chemical profiling of important phytochemicals and standardizing the protocol for improved secondary metabolite production.