

Dr. Neerja S. Rana

Associate Professor



Specialization: Biochemistry

Contact: +91 1792-252282(o)

Mob: 9418435030

Email: neerjabsc@yspuniversity.ac.in; drneerjauhf24@yahoo.co.in

Ongoing Research Projects

- Development of microbial consortia for bioremediation of Solid waste funded by in house Research grant from 2023-2024(PI)

Important Research Publications

- Meenakshi, Rana N, Bharti, Chauhan A, Sankhyan N and Arti. 2023. Exploring Intraspecific Provenance Variation in Seed Morphological Traits of *Albizia procera* in Mid-Himalayan Region of India. *Journal of Tropical Forest Science* **35**(2): 168-178.
- Ghabru A, Rana N and Chauhan S. 2022. Nutraceutical benefits of Himalayan fern (*Diplazium esculentum* (Retz.) Sw.). *Annals of Phytomedicine* **11**(2): 82-91.
- Rana K, Rana N, Chauhan N, Devi S, Gabru A and Chauhan S. 2022. Comparative study of *Bacillus* and *Enterobacter* for upscaling of invertase production for utilization in food industry. *Journal of food Measurement and characterization* **5**(1): 60-63.
- Meenakshi, Rana N and Chauhan A. 2018. Extraction and characterization of bicolour from bacterial isolates of *Pseudomonas* sp. M1 and MS2. *Annals of Phytomedicine* **7**(1):63-68.
- Rana N, Verma N, Vaidya D and Ghabru A. 2017. Application of amylase producing bacteria isolated from hot spring water in food industry. *Annals of Phytomedicine* **6** (2): 93-100.
- Rana N, Walia A and Gaur A. 2013. α Amylase from microbial resources and its potential applications in various industries. *National Academy of Sciences. Letters* ISSN 0250-541X.
- Kumar M, Rana N and Kohli UK. 2005. Genotypic variability for nitrogen fixation efficiency and its influence on the yield of garden peas. *Legume Research* **28**(4): 256-262.
- Nath AK, Ahmed T, Rana N and Sharma DR. 2002. Host plant nodule parameters associated with nitrogen fixation efficiency in French bean (*Phaseolus vulgaris* L.) cultivars. *Indian. Journal of Experimental Biology* **40**: 334- 340.
- Rana N and Pokhriyal TC. 2002 Nitrogen Fixation and Nodulation behaviour in relation to seed source variation in *Dalbergia sissoo* seedling. *Journal of Tropical Forest Science* **14**(2):198-206.
- Rana N and Pokhriyal TC. 2001. Variation in pod and seed traits in six different *Dalbergia sissoo* seed sources. *Journal of Tropical Forest Science* **13** (1): 162- 170.

Books

- Rana N, Ghabru A and Rana V. 2022. Biochemical analysis of Fruit and Vegetables. (EDS) Rana *et al.*, Integrated publications, New Delhi, pp102.
- Rana N, Ghabru A and Rana K. 2020. General Food Biochemistry. AkiNik publications, New Delhi, pp100.

Awards and Recognitions

- Best Article Award for article '*Morchella esculenta* (Guchhi: Medicinally important Fungi of Himalayas)' from Agriculture and Food News letter dated (21/10/2022).
- Best Teacher Award by Glacier Journal Research foundation in 2020.

- Adrash Vidya Sarswati award by president of Global Management Council Ahmadabad on September 5, 2020.
- Young Scientist award in “8th Academic achievement awards 2020” by Dr D.C. Singh Chief Advisor Research on 6th Sept 2020 by EETCRS, Research wing, Mumbai India.
- Best oral paper presentation entitled “Selection and Evaluation of Plant Growth Promoting Rhizobia for Improvement of *Albizia Procera*” at International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018) held at Assam Agricultural University, Jorhat from December 13-16th December, 2018.
- World bank awarded fellowship during Ph.D. programme from ICFRE -DEHRADUN.