

Biodata

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Academic Qualifications:

Degree	University /College	Year of passing	Subject
Ph. D.	Kurukshetra University, Kurukshetra, Haryana	2007	Botany (Plant Biotechnology)
M. Sc.	Kurukshetra University, Kurukshetra, Haryana	2001	Botany (Plant Biotechnology)
B. Sc.	Kurukshetra University, Kurukshetra, Haryana	1999	Botany, Zoology, Chemistry

List of Publications

1. **Singh, N. P.**, & Matta, N. K. (2016). Phylogenetic relationship and germplasm evaluation of different taxa of the genus *Cucurbita* using seed storage protein profiling. *Plant Biosystems*, 150(6), 1200-1207. **IF:1.203**
2. Santal, A. R., **Singh, N. P.**, & Saharan, B. S. (2016). A novel application of *Paracoccus pantotrophus* for the decolorization of melanoidins from distillery effluent under static conditions. *Journal of Environmental Management*, 169, 78-83. **IF:4.005**
3. Jha, B., **Singh, N. P.**, & Mishra, A. (2012). Proteome profiling of seed storage proteins reveals the nutritional potential of *Salicornia brachiata* Roxb., an extreme halophyte. *Journal of Agricultural and Food Chemistry*, 60(17), 4320-4326. **IF: 3.412**
4. Santal, A. R., **Singh, N. P.**, & Saharan, B. S. (2011). Biodegradation and detoxification of melanoidin from distillery effluent using an aerobic bacterial strain SAG5 of *Alcaligenes faecalis*. *Journal of Hazardous Materials*, 193, 319-324. **IF: 6.434**
5. **Singh, N. P.**, & Matta, N. K. (2010). Levels of seed proteins in *Citrullus* and *Praecitrullus* accessions. *Plant Systematics and Evolution*, 290(1-4),47-56. **IF:1.452**
6. **Singh, N. P.**, & Matta, N. K. (2008). Variation studies on seed storage proteins and phylogenetics of the genus *Cucumis*. *Plant Systematics and Evolution*, 275(3-4), 209. **IF:1.452**

Book chapters

1. **Singh, N. P.**, Sharma, J. K., & Santal, A. R. (2016). Biotechnological Approaches to Remediate Soil and Water Using Plant-Microbe Interactions. In *Phytoremediation* (pp. 131-152). Springer, Cham.

2. **Singh, N. P.**, & Santal, A. R. (2015). Phytoremediation of heavy metals: the use of green approaches to clean the environment. In *Phytoremediation* (pp. 115-129). Springer, Cham.
3. Santal, A. R., & **Singh, N. P.** (2013). Biodegradation of Melanoidin from Distillery Effluent: Role of Microbes and Their Potential Enzymes. In *Biodegradation of Hazardous and Special Products*. InTech.

Sequences Submitted

1. Rani, A., **Singh, N.P.** and Saharan, B.S. 2009. *Paracoccus pantotrophus* strain SAG₁ 16S ribosomal RNA gene, partial sequences. GeneBank accession number GQ422441.
2. Rani, A., **Singh, N.P.** and Saharan, B.S. 2009. *Pusillimonas terrae* strain SAG₃ 16S ribosomal RNA gene, partial sequences. GeneBank accession number GQ422442.
3. Rani, A., **Singh, N.P.** and Saharan, B.S. 2009. *Alcaligenes faecalis* strain SAG₅ 16S ribosomal RNA gene, partial sequences. GeneBank accession number GQ422443.
4. Rani, A., **Singh, N.P.** and Saharan, B.S. 2009. *Alcaligenes* sp. strain SAG₄₅ 16S ribosomal RNA gene, partial sequences. GeneBank accession number GQ422444.

Awards/fellowships.

- i. 2010: Awarded with Dr. D. S. Kothari Postdoctoral Fellowship by UGC, New Delhi.
- ii. 2002: Awarded with University Research Scholarship for Ph.D. degree from Kurukshetra University, Kurukshetra, Haryana.

List of Major Research Projects

Sr. No.	Title of the project	Funding agency	Duration
1.	Impact Assessment of High Temperature Stress on Seed Protein Quality of Wheat.	UGC, New Delhi	2012-15
2.	Proteome mining of wheat for drought and salt stress induced proteins from Indian wheat lines.	DST-SERB, New Delhi	2014-17
3.	Proteome mining of barley: search for the salt and drought stress tolerant proteins.	DST-SERB, New Delhi	2016-18