

## CV of Prof. (Dr.) Naveen Kumar Sharma, *PhD*

**Title:** Dr.                      **First Name:** Naveen Kumar                      **Last Name:** Sharma  
**Designation:** Professor (since the Year 2015)  
**Office:** Department of Botany  
                Indira Gandhi National Tribal University (IGNTU)  
                Amarkantak, M.P. 484 887, India  
                ([www.igntu.ac.in](http://www.igntu.ac.in))  
**Residence:** Quarters no. 409, University Staff Quarters  
                IGNTU, Lalpur-Pondaki, M.P. 484 887,  
**E-mail:** [naveen.sharma@igntu.ac.in](mailto:naveen.sharma@igntu.ac.in); **Tel.:** + 91 9451888564 (Mobile)



### Educational Qualification:

Degree	Institution	Year	Division
M.Sc. (Botany)	Banaras Hindu University, Varanasi	1998	I
CSIR-NET	CSIR, New Delhi	1998	
Ph.D.	Jiwaji University Gwalior, M.P.	2006	

**Area of Specialization:** Cyanobacteriology & Socioecology

**Teaching Experience:** > w.e.f. April 3, 2001; both at the UG and PG levels.

Post	Institution	Date of appointment
Professor	Indira Gandhi National Tribal University, Amarkantak, M.P.	29/10/2015- contd.
Associate Professor	Indira Gandhi National Tribal University, Amarkantak, M.P.	30/10/2012
Reader	Post Graduate College, Ghazipur, U.P.; affiliated with VBS Poorvanchal University, Jaunpur, U.P.	03/04/2011
Lecturer	Post Graduate College, Ghazipur, U.P.; affiliated with VBS Poorvanchal University, Jaunpur, U.P.	03/04/2003

**Post-doctoral training:** Department of Molecular Genetics & Microbiology, University of Texas at Austin, USA (with Prof. Richard Malcolm Brown Jr.)

**Awards:** IUSSTF Fellow – 2010 ([www.iusstf.org](http://www.iusstf.org))

ASEAN-India Network of Universities (AINU)- Faculty Exchange Program, 2025 (visited Chiang Mai University, Thailand, from June - October 2025)

**Publications:** Total no.: 75

**Book Authored/Edited:** Published- 07;                      Ongoing- 01

**Available at academic platforms:** ResearchGate & Google Scholar

## Publications:

### A. Articles

1. Chaudhry S, Singh A, Tandiya C, Sharma NK (2025) Importance of protected areas in forest conservation: A case study of Achanakmar-Amarkantak Biosphere Reserve, India, *under review*.
2. Kamngoen A, Wichaphian A, Pekkoh J, Cheirsilp B, Sharma NK, Srimongkol P, Maneechote W, Srinuanpan S (2025) Sustainable hydroponic co-cultivation of lettuce and microalgae under blue LED light: A photoperiod-driven strategy for circular agriculture, *under review*.
3. Sharma NK, Srinuanpan S, Abraham G, Singh A, Rai AK (2025) The other way around: Using eco-cyanomolecules for human welfare, *under review*.
4. Tripathi K, Rai A, Rai PK, Singh A, Sharma NK (2025) Plant growth-promoting microorganisms: Nature-based solution to sustainable agriculture, *under review*.
5. Shyam BS, Tandiya C, Baksi S, Sharma NK (2025) Factors determining ethnomedicinal plant choice in Pushparajgarh Tehsil of Madhya Pradesh, India. *Indian Journal of Traditional Knowledge*, 24(6),555-565.
6. Rai A, Sharma NK, Singh VK, Rai A, Kumar V, Kumar A, Singh JS, Rai PK (2024) Use of biowaste to ameliorate chromium-contaminated soils to improve crop productivity. *Waste Management Bulletin*,2, 276-288.
7. Rai A, Singh VK, Sharma NK, Singh JS, Singh VK, Dwivedi BS, Rai PK (2024) Effect of fluorescent *Pseudomonas* on plant growth promotion of *Aloe vera*. *Journal of Plant Nutrition*, 47(7), 1089-1100, <https://doi.org/10.1080/01904167.2023.2294936> (IF - 2.1)
8. Rai PK, Rai A, Sharma NK, Singh T, Kumar Y (2023) Limitations of biofertilizers and their revitalization through nanotechnology. *Journal of Cleaner Production*, 418, 138194. <https://doi.org/10.1016/j.jclepro.2023.138194>. (IF- 11.09)
9. Rai A, Sharma NK, Singh VK, Dwivedi BS, Singh JS, Rai PK (2023) Study of phosphate solubilizing fluorescent *Pseudomonas* recovered from rhizosphere and endorhizosphere of *Aloe barbadensis* (L.). *Geomicrobiology Journal*, 40(4), 347-359. (IF – 2.41)
10. Prasad P, Kalam S, Sharma NK, Podile AR, Das SN (2022) Phosphate solubilization and plant growth promotion by two *Pantoea* Strains isolated from the flower of *Hedychium coronarium* L. *Frontiers in Agronomy*. doi.org/10.3389/fagro.2022.990869. (IF -3.37)
11. Sharma PK, Singh A, Sharma NK (2022) A socio-ecological critique on India's local health traditions amidst rising incidence of global pandemics. *Journal of Herbal Medicine*, 34, 100578. doi.org/10.1016/j.hermed.2022.100578. (IF -2.54)
12. Rai PK, Rai A, Sharma NK, Singh VK, Singh S (2021) Urbanization reduces overall cyanobacterial abundance but favors heterocystous forms. *Applied Soil Ecology*, 167, 104059, doi.org/10.1016/j.apsoil.2021.104059. (IF -5.50)
13. Dwivedi MK, Shukla R, Sharma NK, Manhas A, Srivastava K, Kumar N, Singh PK (2021) Evaluation of ethnopharmacologically selected *Vitex negundo* L. for *in vitro* antimalarial activity and secondary metabolite profiling. *Journal of Ethnopharmacology* 275, 114076, doi.org/10.1016/j.jep.2021.114076. (IF- 4.36)

14. Sharma NK, Singh M, Rai AK (2021) Salinity: Translating information from model microbes into crop plants. *ScienceAsia* 47(2), 1-12. (IF -0.99)
15. Dwivedi MK, Bakshi S, Shyam BS, Shukla R, Singh PK, Sharma NK (2021) Prevalence and associated factors of malaria in Pushparajgarh Block of District Anuppur, Madhya Pradesh, India. *International Journal of Community Medicine & Public Health* 8(3), 1221-1229. (IF -0.69)
16. Kumar A, Kumar R, Sengupta D, Das SN, Pandey MK, Bohra A, Sharma NK, Sinha P, Masood HS, Ghazi IA, Laha GS, Sundaram RM (2020) Deployment of genetic and genomic tools towards gaining a better understanding of Rice-*Xanthomonas oryzae* pv. *oryzae* interactions for development of durable bacterial blight resistant rice. *Frontiers in Plant Science*, 1152. doi.org/10.3389/fpls.2020.01152. (IF -6.62)
17. Dwivedi MK, Shyam BS, Shukla R, Sharma NK, Singh PK (2020) GIS Mapping of antimalarial plants based on traditional knowledge in Pushparajgarh Division, District Anuppur, Madhya Pradesh, India. *Journal of Herbs, Spices & Medicinal Plants*, 26(4), 356-378. (IF -0.25)
18. Dwivedi MK, Shyam BS, Lal M, Singh PK, Sharma NK, Shukla R (2019) Geospatial mapping of antimalarial plants used by the ethnic groups of Anuppur district (Madhya Pradesh, India), *Indian Journal of Traditional Knowledge*, 18 (2), 261-271. (IF -1.09)
19. Rai PK, Rai Anuradha, Sharma NK, Singh S (2018) Study of soil cyanobacteria along a rural-urban gradient. *Algal Research*, 35, 142-151. (IF -5.27)
20. Swapnil P, Yadav AK, Srivastav S, Sharma NK, Srikrishna S, Rai AK (2017) Biphasic ROS accumulation and programmed cell death in a cyanobacterium exposed to salinity (NaCl and Na<sub>2</sub>SO<sub>4</sub>). *Algal Research*, 23, 88-95. (IF -5.27)
21. Swapnil P, Singh M, Singh S, Sharma NK, Rai AK (2015) Recombinant glycinebetaine improves metabolic activities, ionic balance and salt tolerance in diazotrophic freshwater cyanobacteria. *Algal Research*, 11, 194-203. (IF - 5.27)
22. Sharma NK (2015) From natural to human-impacted ecosystems: rationale to investigate the impact of urbanization on cyanobacterial diversity in soils. *Biodiversity & Conservation* 24(4), 1007-1015. (IF -4.29)
23. Tripathi K, Sharma NK, Kageyama H, Takabe T, Rai AK (2013). Physiological, biochemical and molecular responses of the halophilic cyanobacterium *Aphanothece halophytica* to Pi-deficiency. *Eur J Phycol.* 48, 461-473 (IF -2.66)
24. Singh M, Sharma NK, Prasad SB, Yadav SS, Narayan G, Rai AK (2013). The freshwater cyanobacterium *Anabaena doliolum* transformed with *ApGSMT-DMT* exhibited enhanced salt tolerance and protection to nitrogenase activity, but became halophilic. *Microbiology*, 159, 641-648. (IF -2.8)
25. Bajpai R, Sharma NK, Rai AK (2013) Physiological evidences indicate microcystin-LR to be a part of quantitative chemical defense system. *J Appl Phycol*, 25(5): 1575-1585. (IF -3.40)
26. Tripathi K, Sharma NK, Rai V, Rai AK (2013) Low cellular P-quota and poor metabolic adaptations of the freshwater cyanobacterium *Anabaena fertilissima* Rao during Pi-limitation. *Antonie van Leeuwenhoek* 103: 277-291. (IF -2.15)
27. Dhuldhaj UP, Yadav IC, Singh S, Sharma NK (2012). Microbial interactions in the arsenic cycle: Adoptive strategies, and applications in environmental management. *Rev Environ Cont T.* 224, 1-38. (IF -7.9)
28. Pandey K, Sharma NK (2012). Traditional medicinal flora of the district Ghazipur (Uttar Pradesh, India). *Int J Ayurvedic & Herb Med* 2 (2): 307-321. (IF- NA)

29. Sharma NK, Tiwari SP, Tripathi KN, Rai AK (2011) Sustainability and Cyanobacteria (Blue-Green Algae): Facts and Challenges. *J Appl Phycol* 23 (6): 1059-1081. (IF -3.40)
30. Sharma NK, Rai AK (2011) Biodiversity and biogeography of microalgae: progress and pitfalls. *Environ Rev* 19: 1-15. (IF- 5.54)
31. Sharma NK, Singh S (2010) Differential aerosolization mediated by climatic factors regulates abundance of algal particles in the atmosphere. *Ind J Microbiol* 50 (4): 468-473. (IF – 3.1)
32. Bajpai R, Sharma NK, Rai AK, Usha (2009) Hepatosplenomegaly and phytotoxicity of a planktonic cyanobacterium *Nostoc* sp. BHU001 isolated from agricultural pond. *W J Microbiol Biotechnol* 25 (11), 1995–2003. (IF -4.25)
33. Sharma NK, Mohan D, Rai AK (2009) Predicting phytoplankton growth and dynamics in relation to physico-chemical characteristics of water body. *Water, Air Soil Pollut* 202 (1-4), 325-333. (IF – 2.98)
34. Bajpai R, Sharma NK, Lawton LW, Edwards C, Rai AK (2009) Microcystin producing cyanobacterium *Nostoc* sp. BHU001 from a pond in India. *Toxicon* 53 (5), 587-590. (IF – 3.03)
35. Sharma NK, Singh S (2008) Algae of settled city dust: Diversity and temporal pattern. *Ind J Aerobiol* 21 (1), 36-41 (*Official Publication of Indian Aerological Society, New Delhi*). (IF – NA)
36. Sharma NK, Singh S, Bajpayi R, Rai AK (2008) Effect of *Nostoc muscorum* Ag. Ex Born. Et Flah toxins on upper respiratory tract of mice. *Int J Algae* 10: 34-41. (IF - 0.21)
37. Sharma NK, Rai AK (2008) Allergenicity of airborne cyanobacteria *Phormidium fragile* and *Nostoc muscorum*. *Ecotox Environ Saf* 69: 158-162. (IF- 7.12)
38. Sharma NK, Rai AK, Singh S, Brown RM Jr (2007) Airborne Algae: Present status and their relevance. *J Phycol* 43 (4): 615-627. (IF- 3.17)
39. Sharma NK, Rai AK, Singh S. (2006) Meteorological factors affecting the diversity of airborne algae in an urban atmosphere. *Ecography* 29 (5): 766-772. (IF – 6.80)
40. Sharma NK, Singh S, Rai AK (2006). Diversity and seasonal variation in viable algal particles in a subtropical Indian City. *Environ Res* 102 (3): 252-259. (IF- 8.43)
41. Rai V, Sharma NK, Rai AK (2006) Growth and ion content of a salt sensitive symbiotic system *Azolla pinnata*- *Anabaena azollae* under salt stress. *J Pl Physiol* 163 (9): 937-944. (IF – 3.54)
42. Rai AK, Sharma NK (2006) Phosphate metabolism in the cyanobacterium *Anabaena doliolum* under salt stress. *Curr Microbiol* 52 (1): 6-12. (IF- 2.34)

#### B. Book Chapters

1. Rai AK, Tiwari SP, Sharma NK, Rai A, Mishra A (2009) Cyanobacteria: A potential but neglected tool for biotechnological processes. In: *Recent Trends in Biotechnology, Vol - I* (Eds. Singh MP, Agarwal A, Sharma B). Nova Science Publishers, USA, pp 191-207; ISBN 978-1-60876-148-7.
2. Sharma NK, Chaudhory KK, Bajpai R, Rai AK (2010) Cyanobacterial bloom: causes, consequences and mitigation. In: *Impact, Monitoring and Management of Environmental Pollution* (Ed. Ahmed El Nembr), Nova Science Publishers, USA, pp 73-95; ISBN 978-1-60876-487-7.

3. Bajpai R, Sharma NK, Rai AK (2011) Cyanotoxins: An emerging environmental concern. In: *Advances in Life Sciences* (Eds. Sinha RP, Sharma NK & Rai AK). IK International, New Delhi, pp 187-211; ISBN 978-93-81141-045.
4. Sharma NK, Rai AK (2011) Algal Particles in the Atmosphere. In: Nriagu JO (ed.), *Encyclopedia of Environmental Health*, 1, 64–70 Burlington: Elsevier. ISBN-13: 978-0-444-52273-3. **A Global Reference Work by Elsevier**
5. Dhuldhaj UP, Sharma NK, Singh S (2012) Microbial removal of arsenic: An overview. In: *Bioremediation of Pollutants* (Eds. Maheshwari DK, Dubey RC), IK International Publishing House, New Delhi, pp 112-127; ISBN -13: 978-9381141052.
6. Sharma NK, Stal LJ (2014) The economics of cyanobacteria-based biofuel production: challenges and opportunities. In: *Cyanobacteria: An Economic Perspective*, (Eds. NK Sharma, Stal LJ, Rai AK), John Wiley & Sons, UK, pp 167-180. ISBN: 9781119941279.
7. Rai A, Rai PK & Singh S, Sharma NK (2015) Environmental factors affecting edible and medicinal mushroom production (Chapter-3). In: *Production Techniques of Tropical Mushrooms* (Thakur T, Thakur MP eds.), Nirmal Publishers, New Delhi, India, pp 67-81, ISBN: 978-81-93175-2-5
8. Sharma NK (2015) Importance of plant-related knowledge in entrepreneurship development among Indian tribes: Problems & Prospects. In: *Entrepreneurship Development* (Eds. Pavnesh Kumar & AK Singh). Research India Publications, New Delhi, pp 71-83, ISBN: 978-93-84144-91-3
9. Tripathi K, Rai AK, Sharma NK (2015) On agricultural importance of cyanobacteria mediated phosphate availability in soil. In: *Microbes in Soil and Their Agricultural Prospects* (Eds. Choudhary KK, Dolly-Wattal Dhar), Nova Science Publication, USA, pp 307-322, ISBN: 978-1-63482-824-6.
10. Sharma NK, Rai AK (2016) Algal Particles in the Atmosphere- II (Manuscript no. ESES 10508). *Reference Module in Earth Systems and Environmental Sciences* (Ed. Scott A. Elias), Burlington: Elsevier (<http://dx.doi.org/10.1016/B978-0-12-409548-9.10508-1>).
11. Sharma K, Sarma S, Bohra A, Mitra A, Sharma NK, Kumar A, (2018) Plant metabolomics: An emerging technology for crop improvement (Chp- 04). In: *Plant Science* (Ed. Özge Çelik), IntechOpen, UK, pp. 65-79, ISBN: 978-953-51-6202-1.
12. Rai AK, Sharma NK (2021) The Agro-Ecosystem Engineers: Cyanobacteria and *Azolla*. In: *New Vistas in Indian Flora Vol I*, (Eds. Lal Ji Singh & Vinay Ranjan), Bishan Singh Mahendra Pal Singh, Dehra Dun, p. 55-75. ISBN: 978-81-943323-5-0;
13. Sharma PK, Rai AK, Sharma NK (2021) Safety and ethics in omics biology. In: *Omics Technologies for Sustainable Agriculture and Global Food Security* (Eds. Kumar et al), Springer-Nature, p. 281-297. ISBN: 978-981-16-0830-8.
14. Shukla R, Mishra VK, Sharma NK (2021) Constructed wetlands for the treatment of sewage. In: (Eds. Mishra VK, Kumar A) *Sustainable Environmental Clean-up*, Elsevier, p. 105-129. ISBN: 978-0-12-823828-8.
15. Patel AK, Gupta D, Singh A, Mishra VK, Sharma NK (2021) Green-synthesized nanoparticles for treatment of wastewater: an environmentally sustainable pollution remediation technology. In: (Eds. Mishra VK, Kumar A) *Sustainable Environmental Clean-up*, Elsevier, p. 29-70. ISBN: 978-0-12-823828-8.
16. Singh A, Rai A, Rai PK, Sharma NK (2023) Biodiversity and biogeography of microalgae with food and feed potential. In: (Eds. Eduardo Jacob-Lopes et al.)

Handbook of Food and Feed from Microalgae: Production, Application, Regulation, and Sustainability, Elsevier, p. 10-21. ISBN: 9780323991964.

17. Sharma NK, Rai AK, Rai PK, Singh VK (2023). Introduction: Agriculture for development (p. xiii-xxi). In: (Eds: PK Rai, NK Sharma, VK Singh & AK Rai) A Critical Appraisal of India's Self Reliance in Agriculture, Nova Science Publisher Inc. NY, USA. ISBN: 979-8-88697-602-1.
18. Sharma NK (2023) Govindjee Govindjee: India's gift to the photosynthetic community (p. 199-219). In: (Eds. Tripathi SPM, Sharma NK, Paramanik V, Singh VP) Descendants of Kanād. Indira Gandhi National Tribal University, Amarkantak & Scientific Publishers, Jodhpur, India. ISBN 978-81-962465-1-8.
19. Tripathi SPM, Sharma NK, Paramanik V, Singh VP (2023) Introduction (p. ix-xiv). In: (Eds. Tripathi SPM, Sharma NK, Paramanik V, Singh VP) Descendants of Kanād. Indira Gandhi National Tribal University, Amarkantak & Scientific Publishers, Jodhpur, India. ISBN 978-81-962465-1-8.
20. Sharma NK, Rai PK, Rai DC (2025) Introduction (p. ix-xv). In: (eds. Sharma NK, Rai PK, Rai DC) Indian Agriculture: Challenges, Priorities and Solutions. Springer-Nature, Switzerland. 9789819652723.

### C. Popular Articles (In English)

1. Rakhi Bajpai, Naveen K Sharma, Ashwani K Rai (2010) Anticancerous/Antiviral compounds from cyanobacteria. **Algas** 43: 4-6 (Official Publication of Spanish Phycological Society).
2. Naveen K Sharma (2013) Problems of faculty recruitment: A case of new Central Universities. **Current Science** 104 (12): 1593.
3. Naveen K Sharma, Prashant K. Singh, Vijay Pramanik, Biswjit Maji, Virendra K. Mishra (2016) Traditional ethnomedicinal knowledge of Indian tribes: Challenges and opportunities. A meeting Report. **Current Science** 110 (4): 486-487.
4. Ajit K Rai & Naveen K Sharma (2016) Teaching versus research in higher education institutes: revisiting the issue. **Current Science** 111 (10): 1585-1586.
5. Manoj Kumar Rai & Naveen Kumar Sharma (2022) Anomalies in (the) interpretation of UGC Regulation-2018 for promotion under the Career Advancement Scheme. **University News** 59(52): 31-33.
6. Ajeet Kumar Rai, Manoj Kumar Rai & Naveen K Sharma (2022) Epistemological base of scientific inquiry. **Mekal Insight** IV (2), 35-42.

### हिन्दी में -

1. मनोज कुमार राय एवं नवीन कुमार शर्मा (२०११) पर्यावरण प्रदूषण एवं गाँधी, शोध ८(३), १५०-१५५, ISSN: ०९७०-१७४५
2. नवीन कुमार शर्मा (२०२०) जनजातीय कृषि: भूमि की उर्वरकता बढ़ाने में नील-हरित शैवाल का उपयोग. मेकल मीमांसा, १२ (०१), ५१-५८. ISSN: ०९७४-०११८.
3. नवीन कुमार शर्मा (२०२०) मानव सभ्यताओं के आसमान विकास के मूल कारण (पुस्तक समीक्षा), पुस्तक वार्ता, ४६-४७. ISSN: २३४९-१८०९.
4. मनोज कुमार राय एवं नवीन कुमार शर्मा (२०२१) जय विज्ञान के यशस्वी उद्घोषक श्रद्धेय अटल जी, अटल वातायन (संपादक - प्रोफ. खेमसिंह डहेरिया), अटल बिहारी बाजपेयी हिंदी विश्वविद्यालय, भोपाल, पृ.सं. २२०-२२६, ISBN: ९७८-९३-९१६०२-५५-०

5. नवीन कुमार शर्मा एवं मनोज कुमार राय (२०२३-२४) महामना मदन मोहन मालवीय: भारतीय ज्ञान परंपरा के संवाहक तथा भारत में समग्र शिक्षा के अग्रदूत, रचना, संयुक्तांग (नवम्बर-दिसम्बर २०२३ से जनवरी-फरवरी २०२४), पृ.सं. ४२-५४, मध्य प्रदेश हिंदी ग्रन्थ अकादमी, भोपाल I ISSN: २२४९-५२६१.
6. नवीन कुमार शर्मा (२०२४) जंगली कुलपति को पढ़ते हुए (प्रोफ. टी. वी. कट्टीमनी की पुस्तक 'जंगली कुलपति की कथा' पर एक क्षेपक, मेरे रिसर्चगेट प्रोफाइल पर उपलब्ध (<https://www.researchgate.net/profile/Naveen-Sharma-16/publications>).

#### D. Conference Proceedings

1. Rai PK, Rai A, Sharma NK, Singh VK, Raliya R (2021) Soil cyanobacterial community profiling along the urbanization gradient. 5<sup>th</sup> International Agronomy Conference (23-27 November 2021), Agri Innovations to Combat Food and Nutrition Challenges, PJTSAU, Hyderabad, India.

#### E. Book Edited/ Authored

1. **Advances in Life Sciences**  
Editors: Sinha RP, Sharma NK, Rai AK  
Publisher: IK Int Publishing House, New Delhi,  
Year: 2011; ISBN: 9789381141045; P. 512
2. **Cyanobacteria: An Economic Perspective**  
Editors: NK Sharma, Rai AK & Stal LJ  
Publisher: Wiley-Blackwell, UK  
Year: 2014, ISBN: 978-1-119-94127-9; P. 376
3. **Airborne Algae: Their Significance**  
Author: NK Sharma  
Publisher: Nova Science Publisher Inc. NY, USA  
Year: 2015; ISBN: 978-1-63463-980-4; P. 100
4. **A Field Guide to Flowering Plants of The Mekal Hills**  
Author: Shivaji Chaudhry, NK Sharma & Nidhan Singh  
Publisher: Scientific Publishers, Jodhpur, India  
Year: 2019; ISBN: 9789388812047; P. 250
5. **A Critical Appraisal of India's Self-Reliance in Agriculture** (p. 400)  
Editors: PK Rai, NK Sharma, VK Singh & AK Rai  
Publisher: Nova Science Publisher Inc. NY, USA  
Year: 2023; ISBN: 979-8-88697-602-1; DOI.org/10.52305/FTUU7256
6. **Descendants of Kanād**  
Editors: SPM Tripathi, NK Sharma, Vijay Paramanik, VP Singh  
Publisher: Indira Gandhi National Tribal University, Amarkantak & Scientific Publishers, Jodhpur, India  
Year: 2023; ISBN: 978-81-962465-1-8
7. **Indian Agriculture: Challenges, Priorities and Solutions**  
Editors: Naveen K. Sharma, Pradeep K. Rai & Dinesh Chandra Rai  
Publisher: Springer-Nature, Switzerland  
Year: 2025; ISBN: 9789819652723

**Seminar/ Symposia/Conference Attended:** Approx 45

**Foreign Visits:** 04 (USA, The Netherlands, Germany, Thailand)

**Projects:** Completed – 02 (two)                      Ongoing – 01                      Submitted - 01

**NEW Species/Strains isolated:** *Nostoc* sp. BHU001 (GenBank, Accession No. EU570209)

**Reviewer:** Quite a few, notably - *Microbial Ecology*, *Protoplasma*, *Ecotoxicology*, *Ecotoxicology & Environmental Safety*, *PLoS One*, *Journal of Hazardous Materials*, *Journal of Phycology*, *Phycologia*,

*Journal of Biogeography, Biodiversity & Conservation, ACS group journals, Frontiers groups of journals, etc.*

### **Membership**

Member, *Spanish Phycological Society*, Spain (2009- contd.)

Life Member, *Phycological Society of India*

Life Member, *International Organization for Plant Proteomics (NIPPO)*, Tsukuba, Japan

### **Administrative Responsibilities:** Quite a few

1. Chief Warden, IGNTU, Amarkantak (w.e.f. November 2021 -2024)
2. Coordinator, International Affairs Office, IGNTU, Amarkantak (2020-2024)
3. Member, Executive Council, IGNTU, Amarkantak (2017-2019)
4. Dean, Faculty of Science, IGNTU, Amarkantak (2015-2018)
5. **Head, Department of Botany, IGNTU, Amarkantak (2015-2018) & (14/10/2024 – till date)**
6. Member, IQAC, IGNTU, Amarkantak (w.e.f. 2016-2021)
7. Member, Research Degree Committee of the University (RDCU), IGNTU, Amarkantak (2015-2020)
8. Chairman, Anti-Ragging Committee, IGNTU, Amarkantak (2019-2020)
9. Chairman, Member Secretary & Member, University Student Disciplinary Committee, IGNTU (2015-2018)
10. Chief Proctor, IGNTU, Amarkantak (2015-2016)
11. Member, Internal Complaint Committee under Women Cell, IGNTU, Amarkantak (2021-2023)
12. Coordinator, NIRF committee, IGNTU, Amarkantak (2021- 2024)
13. Member, NAAC committee IGNTU, Amarkantak
14. Member, University COVID Taskforce, IGNTU, Amarkantak
15. Coordinator, National & International MoU Cell, IGNTU, Amarkantak 2020-2014)
16. Member, Board of Management, PG College, Ghazipur (UP)

### **Member Academic Bodies:**

17. **Member, Academic Council, IGNTU, Amarkantak (M.P.) w.e.f. 18/05/2013**
18. **Member, BoS for Botany, Atal Bihari Vajpayee Hindi Vishvavidyalaya, Bhopal (2022- contd)**
19. **Chairman, Board of Studies in Botany, IGNTU-A (2015 – 2018 & 2024- till date)**
20. **Chairman, Departmental Research Committee (DRC), Department of Botany, IGNTU, Amarkantak (2025-2028 & 2024 -till date)**
21. Chairman, Faculty Board, Faculty of Science, IGNTU-A (2015-2018)
22. Member, Board of Studies for Botany, MBB University, Tripura (2020-2023)
23. Member, Board of Studies for Botany, BBS Purvanchal University, Jaunpur (2014-2017)
24. Member, Board of Studies for Botany, GGV, Bilaspur, CG (2016-2019 & 2019 - 2022)
25. Member, Board of Studies for Commerce, IGNTU-A (2018-2021)
26. Member, Board of Studies, Department of Zoology, IGNTU, Amarkantak (2022- 2025)

27. External Expert, Departmental Research Committee (DRC)- Botany, Sant Gahira Guru University, Sarguja (CG).

**Chairman & member of committees to draft various rules and regulations:**

28. Member, Examination Ordinance & Regulations Draft Committee, IGNTU, Amarkantak  
 29. Chairman, Fee Re-structuring Committee, IGNTU, Amarkantak  
 30. Chairman, Ph.D. Regulations Drafting Committee, IGNTU- A  
 31. Chairman, Committee to Frame Guidelines for Students' Semester Promotion, IGNTU-A  
 32. Chairman, Committee to Decide Relevant Subjects for Tribal Study, IGNTU-A  
 33. Chairman, Committee to Frame IT policy for IGNTU  
 34. Member, Committee to Frame Guidelines for Travel Grants to the IGNTU Faculties, IGNTU  
 35. Member, Committee to Draft Medical Policy for IGNTU Employee, IGNTU-A  
 36. Chairman, Medical Reimbursement Committee for IGNTU Employees, IGNTU-A  
 37. Member, Institutional Standing Committee for Tender Drafting & Vetting, IGNTU (2020-)  
 38. Convener, Mahatma Gandhi Lecture Series to Commemorate the 150<sup>th</sup> Birth Anniversary of Gandhi, IGNTU-A  
 39. Chairman, *Azadi Ka Amrit Mahotsav Committee*, IGNTU- Amarkantak (2020 -)  
 40. External Expert, Committee to Decide Counting of Past Services of Incumbent Teachers, BBAU, Lucknow  
 41. Chairman, Committee to draft regulations for Model Schools run by the IGNTU in its various regional campuses.

**Contribution to the /Institution/Faculty/Department Building:**

Sl. no.	Project Detail	Funding Agency	Amount	Role
1.	Central Instrumentation Facility for IGNTU	UGC, New Delhi	10 Crore	Group Leader
2.	FIST-Department of Botany <b>SR/FST/LS-I/2018/132(C)</b>	DST, New Delhi	0.92 Crore	Program Coordinator
3.	DBT- Builder, Faculty of Science BT/INF/22/SP45361/2022 (Project ID No. GAP-0104)	DBT, New Delhi	4.5 Crore	Co-PI

**Invited speaker to various HRDCs.**

Served as a member of selection committees and chairperson & member of several ad-hoc committees.; VC-nominee to several in-house selection committees.

**Social Commitment:**

1. President, Mahamana Malviya Mission, Amarkantak (MP) (w.e.f. 2015-2024)
2. Member, National Executive Council, Mahamana Malviya Mission, New Delhi (2015-2024)
3. President, Indira Gandhi National Tribal University, Teachers Association (IGNTUTA), 2021- 2022.
4. Member of the Management Committee for a few nearby schools in the area.

(Naveen K. Sharma)