

Dr. Neelesh Kapoor

1. Personal details:

- i. **Name** : **NEELESH KAPOOR**
 ii. **Designation** : Assistant Professor
 iii. **Organization** : Division of Plant Biotechnology, College of Biotechnology, SVPUAT, Meerut
 iv. **Qualifications** : M.Sc., M.Phil., Ph.D. (Biotechnology)
 v. **Field of Specialization** : Plant Molecular Biology & Nanotechnology
 vi. **Contact details: Mobile No.** : 9456830969, 7017853893
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2. Educational Qualifications:

S. No.	Educational Qualification	Name of University	Major Subjects	Passing year
1.	Ph. D.	Kumaun University, Nainital	Biotechnology	2017
2.	M.Phil.	Ch. Devi Lal University, Sirsa, Haryana	Biotechnology	2007
3.	M.Sc.	C.C.S., University, Meerut, India	Biotechnology	2002
4.	B.Sc.	C.C.S., University, Meerut, India	Zoology, Botany, Chemistry	2000

3. Employment History:

S N	Post held	Institute /Place	From	To
1.	Assistant Professor	SVPUAT, Modipurum, Meerut	19 July 2018	Till date
2.	Assistant Professor	Meerut Institute of Engineering & Technology, Meerut.	14 Nov, 2007	18 July 2018
3.	Lecturer	M.M. (PG) College, Modinagar, Ghaziabad, India.	Jan, 2004	Nov, 2007
4.	Lecturer	C.C.S., University, Meerut, India	Oct, 2002	June, 2003

4. Administrative Responsibility

Assistant Nodal Officer, ICAR cell
 Assistant DSW
 Officer Incharge External Guest Lecture
 NSS Program officer

5. Research Projects

S. No.	Projects	Funding agency	As	Status
1	Institutional Capacity Building Leading to Accreditation of College of Biotechnology (100 lakh)	NAHEP-IG-ICAR	CoPI	Completed

2	Development of Follicle Stimulating Hormone Eluting Nanosuspension to Augment Multiple Ovulation and Embryo Transfer for <i>Ex-situ</i> Conservation of Elite Indigenous Cattle (21.89 lakh)	UPCAR, Lucknow	CoPI	Ongoing
3	Efficacy of Zinc nano-fungicides against different seed-borne mycotic diseases of Wheat (<i>Triticum aestivum</i>) (24.95 lakh)	UPCAR, Lucknow	PI	Ongoing
4	Determination of pesticides residues in major vegetable crops of western Uttar Pradesh using liquid/gas chromatography mass spectrometry (LC-MSMS/GC-MSMS and their health risk assessment (11.94 lakhs)	UP CST	CoPI	Ongoing
5	Establishment of Plant Tissue Culture Facility for Production of Quality Planting Material of Economically Important Crops (288.4 lakh)	RKVY	CoPI	Ongoing

6. Honours/ Awards:

- a) Qualified GATE and ARS-NET.
- b) Innovative Scientist of the Year Award-2016 by Scientific Educational Research Society (SERS), Meerut.
- c) Excellence in Research (Scientist) Award -2017 by Agricultural Technology Development Society (ATDS) Ghaziabad.
- d) Elite certificate in Biomedical Nanotechnology (NPTEL Online Certification course) by IIT Roorkee in 2017
- e) Young Scientist Award-2019 by New Age Mobilization Society, New Delhi
- f) Honoured by Fellow Award 2019 at Kathmandu (Nepal) by ATDS society.
- g) Honoured as Co-chairperson/Judge/Rapporteur during different national and international conferences and events organized at different universities, institutes in India and abroad.
- h) Received Young Scientist Award 2020 by National Gladiolus Trust, Jammu J&K, India during international conference held at Shobhit University, Meerut on Feb., 28 2021.
- i) Awarded Excellence in Teaching Award 2021 by SERS Society Meerut.
- j) Awarded Best Teacher Award 2022 by Agricultural Technology Development Society (ATDS), Ghaziabad (UP) at Jaipur National University, Jaipur, Rajasthan.
- k) **Global Scientist Award 2024** at 7th international conference on Global approaches in agricultural, biological, environment and life sciences for sustainable future (GABELS-2024) during June 08-10, 2024, by ATDS society at Tribhuvan University, Kathmandu, Nepal.
- l) **Reviewer Excellence Award 2024** by Agricultural Research Communication Centre, Karnal.

8. Membership

Life Member: Scientific Educational Research Society (SERS), Meerut
 Life Member: Agricultural Technology Development Society (ATDS) Ghaziabad
 Life Member: New Age Mobilization Society, New Delhi
 Associate Editor of the International Journal of Agricultural Invention from 24/10/2017

9. Publications:

1	Research paper in journals (NAAS Accredited)	19
2	Research paper in refereed journal/Lead papers (Full length paper published in seminar/ symposium proceedings)	24
3	Popular articles/Book/Book chapter	19

4	Abstracts	70
5	Paper presented in conference as eminent speaker/invited speaker etc.	18
6	Training/ Workshop/ Conference organized	14
7	Training/ Workshop/ Conference attended	40

10. Research Publications (Best 19): (h index 9, i10 index 10, citation 533)

1. Kumar P., Kumar R., Kumar A., Gangwar L.K., Kumar M., **Kapoor N.** and Agrawal A. (2024). Tolerance indices based evaluation of wheat (*Triticum aestivum*) genotypes under terminal heat stress conditions. *Indian Journal of Agricultural Sciences*, **94(6)**: 577-582 (NAAS 6.40 and IF 0.374).
2. Sahu B., Swami K., **Kapoor N.**, Agrawal A., Kataria S., Sharma P., Kundu P., Thangavel H., Vattakkuniyil, A., Chaurasia O.P. and Shanmugam V. (2024). Soil-mimetic eco-friendly fertilizer gates: Nanoclay-reinforced binary carbohydrates for improving crop efficiency. *Environment Science: Nano*, **11**: 3006-3018 (IF 5.8).
3. Prajapati M.R., Kumar P., Singh R.P., Shanker R., Singh J., Bharti M.K., Singh R., Verma H., Gangwar L.K., Gaurav S.S., **Kapoor N.**, Prakash S. and Dixit R. (2024). *De novo* transcriptome assembly, annotation and SSR mining data of *Hellula undalis* (Fabr.) (Lepidoptera: Pyralidae), the cabbage webworm. *Journal of Genetic Engineering and Biotechnology*, **22(3)**: 100393 (IF-3.6).
4. Kumar P., Kumar R., Agrawal A. and **Kapoor N.** (2023). SSR based heat stress related primers optimization for heat tolerant and susceptible genotypes of wheat (*Triticum aestivum* L.). *Biological Forum an International Journal*, **15(12)**: 300-308 (NAAS 4.96).
5. Shambhavi, Ranjan K., Shukla M.K., Kumar A., Verma A.K., Tripathi A., **Kapoor N.** and Kumar S. (2023). MX2 gene mRNA expression as potential biomarker for early pregnancy diagnosis in cattle. *Indian Journal of Animal Sciences*, **93(10)**: 958-962 (NAAS 6.40 and IF 0.374).
6. Pathak A., Gaurav A., Chauhan P., **Kapoor N.** and Sengar R.S. (2023). Optimization of pectinase and cellulase production from microorganisms isolated from agriculture waste. *Biotech Today*, **13(1)**: 17-22 (NAAS 3.94).
7. Singh A., Sengar R.S., Singh S.P., Singh V., Gupta S., **Kapoor N.**, Kumar M., Vaishali, Yadav M.K, and Chaudhary R. (2023). Discovery, metabolism and importance of auxins and cytokinins: The plant growth regulators. *Biotech Today*, **13(1)**: 72-84 (NAAS 3.94).
8. Singh, J., Verma, A., **Kapoor, N.**, & Pratap, D. (2023). Nanocatalytic Application of the Green Synthesized Silver Nanoparticles for Enhancement of the Enzymatic Activity of Fungal Amylase and Cellulase. *International Journal of Nanoscience and Nanotechnology*, **19(3)**, 187-198.(IF-1.13)

9. Kumar R.R., Rai G.K., Kota S., Watts A. Sakhare A., Kumar S., Goswami S., **Kapoor N.**, (2022). Fascinating dynamics of silicon in alleviation of heat stress Induced oxidative damage in plants. *Plant Growth Regulation*. DOI:[10.1007/s10725-022-00879-w](https://doi.org/10.1007/s10725-022-00879-w) (IF: 3.412).
10. Gaurav, A., Gaurav, N., **Kapoor, N.**, and Pathak, A. (2022). Nanomedicine Breakthroughs: Advancing Therapeutic Potential through Nanotechnology-Based Drug Delivery Systems in Medical Science.
11. **Kapoor N.**, Arzoo, Dixit R., Sirohi A., Kumar V. and Kumar R. (2022). Nanobiotechnology for sustainable agriculture: Recent Developments, Challenges, and future perspectives. *Annals of Horticulture*, 15(1)130-137 (NAAS: 4.16).
12. Kumar S., Singh N.P., Vaishali, Aastha, Burman V., Lehri K. and **Kapoor N.** (2021). Analysis of genetic diversity in wheat (*Triticum aestivum* L.) using simple sequence repeats marker. *Chemical Science Review and Letters*. 10(37): 94-102 (NAAS: 4.75).
13. **Kapoor N.**, Dixit R., Sirohi A. and Sengar R.S. (2020). Hairy Root Culture: Promising Approach for the Production of Secondary Metabolites, *Biotech Today*. 10(1): 99-107 (NAAS: 3.84).
14. Singh J., **Kapoor N.**, and Verma A (2019). A study to evaluate the effect of phyto-silver nanoparticles synthesized using *Oxalis stricta* plant leaf extract on extracellular fungal amylase and cellulose. *Materials Today: Proceedings*. 18(3): 1342-1350 (IF 1.46).
15. **Kapoor N.**, Manav A., Chauhan P., Kumar R. and Singh J. (2018). Weed mediated synthesis of silver nanoparticles. *International Journal of Pure & Applied Bioscience*, SPI: **6(2)**: 288-292 (NAAS: 4.74).
16. **Kapoor N.**, Kaiser A., Dixit R., Singh N.P. and Singh J. (2018). A study to evaluate the effect of silver nanoparticles synthesized by *Sonchus asper* on fenugreek plant. *Journal of Pharmacognosy and Phytochemistry*, **7(5)**: 1144-1149 (NAAS: 5.21).
17. **Kapoor N.**, Arzoo, Sakshi, Singh J., Sirohi A. and Kumar R.R. (2018). Role of silver nanoparticles synthesized by *Camellia sinensis* on growth and development of fenugreek plant. *Bulletin of Environment, Pharmacology and Life Sciences*, **8(1)** 154-161 (NAAS: 4.95).
18. **Kapoor N.** and Pande V., (2015). Effect of salt stress on growth parameters, moisture content, relative water content and photosynthetic pigments of fenugreek variety RMt-1. *Journal of Plant Sciences*, **10(6)**: 210-221. (H index: 12, SJR IF: 0.18, SCOPUS cited). <http://scialert.net/abstract/?doi=jps.2015.210.221>
19. **Kapoor N.**, Arya A., Siddiqui M.A., Kumar H., Amir A., (2011). Physiological and biochemical changes during seed deterioration in aged seeds of rice (*Oryza sativa* L.). *American Journal of Plant Physiology*, **6**: 28-35. (H index: 13, SJR IF: 0.144) [[SCOPUS](https://scopus.com)], <http://scialert.net/abstract/?doi=ajpp.2011.28.35>

(Neelesh Kapoor)