

NAME	Dr. RAJEEV KUMAR	
DESIGNATION	ASST. PROFESSOR III	

RESEARCH INTERESTS	<ul style="list-style-type: none"> • Conservation Biology - <i>In vivo</i> and <i>In vitro</i> Germplasm conservation and Cryopreservation of Plants. • Micro propagation of Medicinal and Ornamental Plants – Fruits, Horticultural & Medicinal. • Commercialization of Plant Tissue Culture raised plants. • Establishment of Plant Tissue Culture laboratory and Green House managements. • Expertise in Management of Large-scale production of plantlets through tissue culture of Banana, Gerbera, Anthurium and Lily (Both TC and Tuber Production) • Identification and Description of Angiosperm. • Phylogenetic Biology. • Preservation and collection management of plant specimens. • Handling, Maintenance and Preservation of Herbarium.
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EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
B.R.A.B.UNIVERSITY, MUZAFFARPUR	M.Sc. (BOTANY)	1998
B.R.A.B.UNIVERSITY, MUZAFFARPUR	Ph.D.	2002

Title of Ph.D. thesis: Tissue culture studies of some important varieties of banana.

EXPERIENCE (in chronological order)			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Production executive	Research	Sheel Biotech Pvt. Ltd. Maneshar, Gurgaon	Sep. 2002- March 2004
No. of Ph.D. students supervised		Awarded: (no. only)	
		Ongoing: (no. only) - 03	

PUBLICATIONS - FIFTEEN
(mention total no. here)

- Uday Pratap Singh, Surabhi Singh, **Rajeev Kumar**, Nar Singh Chauhan and Archana Kumar. Assessment of allelochemical induced foraging behaviour potential of Trichogrammatids. *Allelopathy Journal*
- Sukhdeep Kaur, S K Malik, Ravish Choudhary, Rohini M.R, Rekha Chaudhury, **Rajeev Kumar** (2019) Morphological characterization of Pummelo (*C. maxima*) germplasm collected from different parts of India. *Indian Journal of Horticulture*. Vol No. 76 (1) pp.16- 22
- Sukhdeep Kaur, S K Malik, Ravish Choudhary, Rekha Choudhury, **Rajeev Kumar** (2019) Micropropagation, in-vitro conservation and genetic stability studies in pummelo (*Citrus maxima*). *The Indian Journal of Agricultural Sciences*, Vol 89, No 2 pp 293–299.
- **R Kumar** (2018) Enhancing the Practices of Tissue Culture Banana among Marginal Farmers of Bihar. *International Journal of Advances in Agricultural Science and Technology*. Vol.5 (Issue.2) pp. 69-76.
- **R Kumar**. (2017) Banana Tissue Culture in India; Status, Opportunities and Challenges. *Trends in Biosciences*. Vol.10 (Issue 45) pp. 9237-9241.
- **R Kumar**. (2016) Effect of Ambient Air Pollution on Photosynthetic Pigments of Litchi chinensis near Muzaffarpur Thermal Power Station, Muzaffarpur, Bihar. *Nature Environment and Pollution Technology*. Vol. 15 (Issue No. 3), pp. 939-942.
- **Kumar R**. Sinha K. and Kumar S. (2005) Micropropagation of Banana cv Malbhog through meristem tip culture in consort with thermotherapy – *Phytomorphology* ; 55 pp.17-22.
- **Rajeev Kumar**. Indian Banana Tissue Culture Industries- Status and Challenges. *Current Scenario and Future Trends in Biotechnology*. Biofuturity March 27-28 2018.
- Sukhdeep Kaur, S K Malik, Ravish Choudhary, Rekha Chaudhury, **Rajeev Kumar**. Seed Storage Behaviour and In-Vitro Recovery of Cryopreserved Embryo in Pomelo: A Commercially Important Tropical and Subtropical Fruit Crop. *Proceedings of ISER 77th International Conference, Toronto, Canada, 28th-29th September 2017*
- Sanjeev Kumar, Nilima Rao, A.N.Sahi, V.K.Rajavat and **Rajeev Kumar**. Abiotic stress tolerant plants through biotechnology approach. *Recent Advances in Environment Toxicology*. February 13-14,2017
- Sukhdeep Kaur, S K Malik, Ravish Choudhary, **Rajeev Kumar** and Rekha Chaudhury Cryopreservation of *Citrus maxima* embryonic axes using advanced cryo-techniques and establishment of base collection. *2nd Global on Plant Science* .6-8 Oct. 2016 .
- **Kumar R**, Kumar S and Sahi A.N.(2014) Major challenges in Banana micropropagation. *National seminar on Plant Biotechnology; Challenges and Opportunities in 21st Century*. March 03-04, 2014. pp-137. Department of Biotechnology, Faculty of science, Jamia Hamdard, Hamdard Nagar, New Delhi
- S. Kumar, A.N.Sahi and **Rajeev kumar** (2011) Micro propagation and effect of a biotic stress in ammi majus a medicinal plant. *National symposium on biotechnology and perspective of plants, microbes and their interactions*. B.R.A. Bihar University, Muzaffarpur. January 15-17, 2011 pp 77-78.
- K Salahuddin, Kanak Sinha, **Rajeev Kumar**, Arif Ali & S. Kumar, (2005) Molecular Characterization of Soil-borne *Streptomyces* Isolates, *International Conference on Microbial Diversity: Current perspective and potential application*. April 16-18, 2005, New Delhi. pp: 109.
- **Kumar R**. Sinha K. and Kumar S. (2001): “Micropropagation of banana cultivars Malbhog through meristem tip culture.” *National symposium on plant biotechnology and molecular biology*. 24th annual meeting on plant tissue culture, New Delhi, 12-14 December.