




Faculty Profile

Title	Dr	First Name	Aarti	Last Name	Kumari	Photograph
Designation		Assistant Professor				
Address (Office)		Department of Botany, Gargi College, Siri Fort Road, New Delhi -110049				
Contact No. (Mobile)		8700725636				
Email		aarti.aarti.kumari@gmail.com				
EDUCATIONAL QUALIFICATIONS						
Degree		Institution			Year	
Ph.D		CSIR-National Botanical Research Institute, Lucknow			2017	
M.Sc.		HNB Garhwal University, Uttarakhand			2010	
B.Sc.		Jai Prakash University, Bihar			2007	
CAREER PROFILE/ EMPLOYMENT						
<ul style="list-style-type: none">• Taught in Shaheed Rajguru College of applied Sciences for Women, University of Delhi, as an Assistant Professor (Guest) (2021-23).• Worked as Research Fellow in SERB Project entitled "<i>Utilizing germplasm diversity of climate resilient crop pearl millet for identification and mapping of heat stress responsive gene(s) and functional annotation of transcriptome adaptation to seedling heat stress</i>" (2019-21) at ICAR-Indian Agriculture Research Institute.						
RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)						
NA						
AWARDS AND DISTINCTIONS						
<ul style="list-style-type: none">• Young Women Scientist Award (2021) on International Conference on "Current						

Approaches in Agricultural, Animal Husbandry and Allied Sciences for Successful Entrepreneurship (CAAHAASSE-2021)”.

- Joint CSIR-UGC Junior Research Fellowship (JRF) -2011
- Eligibility for Lectureship- National Eligibility Test (NET)-2011
- GATE-2011

PUBLICATIONS

- **Kumari A**, Kumar S, Chauhan PS, Raj SK (2022). Elimination of coexisting canna yellow mottle virus, bean yellow mosaic virus and cucumber mosaic virus from Canna generalis cv. black knight through in vitro chemotherapy of rhizome explants. 3 Biotech 12:267. (IF: 2.893)
- **Kumari A**, Raj R, Kumar S, Chauhan PS, Raj SK, 2016. Coexistence of Three Virus Genera (Badnavirus, Potyvirus and Cucumovirus) in Canna Species in India. Annals of Virology and Research 2:1008 (SciMedCentral).
- **Kumari A**, Kaur C, Kumar S and Raj SK, 2015. First report of Bean yellow mosaic virus associated with mosaic disease of Canna spp. in India. Plant Disease 99:897(American Phytopathological Society). (IF: 4.5)
- **Kumari A**, Kumar S Raj SK, Johri JK, and Nautiyal CS, 2015. First report of Canna yellow mottle virus associated with yellow vein mosaic disease of betel vine (Piper betel L.) in India. Plant Disease 99:1189 (American Phytopathological Society). (IF: 4.5)
- **Kumari A**, Kumar S and Raj SK, 2014. First report of Canna yellow mottle virus on canna from India. New Disease Report 29: 9 (British Society for Plant Pathology).

CHAPTERS/STUDY MATERIALS

- **Kumari, A**, Kaur, C, Kumar, S, Chauhan, P.S, Raj, S.K. (2021). Current Status of Three Virus Genera (Badnavirus, Cucumovirus, and Potyvirus) in Canna Species in India. In: Raj, S.K., Gaur, R.K., Yin, Z. (eds) Virus Diseases of Ornamental Plants. Springer, Singapore. https://doi.org/10.1007/978-981-16-3919-7_6
- Kumar S, Srivastava **A**, **Kumari A**, Raj R., Jaidi M, Raj SK. 2017. Begomovirus Disease Management Measures, Now and Then. In: Saxena S., Tiwari A. (eds) Begomoviruses: Occurrence and Management in Asia and Africa. Springer, Singapore, ISBN: 9789811059834.
- SK Raj, Susheel Kumar and **Aarti Kumari**, 2014. Plant Virology: Diagnosis,

Identification and Disease Management (pp: 19-39), Plant Taxonomy and Biosystematics: Classical and Modern Methods. Eds T.S. Rana, K. N. Nair and D. K. Upreti (CSIR-NBRI), ISBN: 9789383305414.

CONFERENCE/SEMINARS/SYMPOSIA/WEBINARS/PRESENTATIONS/ORGANIZATION

- **Kumari A**, Kumar S, Raj SK (2015). “Molecular detection and identification of viruses belonging to the genera Badnavirus, Potyvirus and Cucumovirus infecting Canna spp. in India.” 24th National conference on “Transboundary Viral Diseases Under One Health: Perspectives and Challenges” at NEIGRIHMS, Mawdiangdiang, Shillong, Meghalaya.
- **Kumari A**, Kumar S, Raj SK, Nautiyal CS (2014). “Molecular detection and identification of Badnavirus infecting Canna pp. in India.” 23rd National Conference on “Recent Trends in Virological Research in the Omics Era” at Tamil Nadu Agriculture University, Coimbatore, Tamil Nadu.
- **Kumari A**, Gautam KK, Kaur C, Kumar S, Raj SK (2013). “Molecular detection and identification of viruses naturally occurring on in canna spp.” Asia Pacific Congress of Virology at Amity Institute of Virology and Immunology, Amity university, Noida.
- **Kumari A**, Gautam KK, Kaur C, Kumar S, Raj SK (2013). “Detection and identification of RNA viruses in canna spp. in India.” Zonal Meeting of Indian Phytopathology Society (MEZ) & National conference on “Microbes Promoting Crop Health, Promoting Crop Health, Productivity & Sustainability at CSIR-CIMAP, CSIR-NBRI, Lucknow, Uttar Pradesh.
- **Kumari A**, Kumar S, Raj SK, Roy RK (2012). “Molecular detection and identification of Canna yellow mottle virus on Canna in India.” 21st National Conference on “Immunobiology and Management of Viral Diseases in 21st Century, IVRI, Mukteswar Campus, Nainital, Uttarakhand.

WORKSHOP/TRAINING PROGRAMME ATTENDED

- One Week Online Faculty Development Programme on “National Education Policy: 2020 and Scenario & Path ahead of Research in Bharat” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College during October 18-21, 2022.

AREAS OF INTEREST / SPECIALIZATION

- Plant Molecular Virology
- Plant tissue culture
- Development of virus-free plants
- Microbiology

SUBJECTS TAUGHT

- Cell and Molecular Biology
- Industrial Microbiology
- Environmental Studies
- Bacteriology
- Microbial Physiology
- Food Microbiology

ADMINISTRATIVE ASSIGNMENTS/ ROLES