



Dr. Monica Saifi

Specialization: Plant Molecular Biology, Genome editing

Email: monica.saifi@gmail.com

Mobile: +7703825327

Innovative medicinal plant productivity scientist with significant experience focused on enhancement of secondary plant metabolites and yield of the medicinal plants via molecular biology approaches such as genome editing, gene over-expression, RNAi, miRNA profiling, miRNA over-expression and suppression.

Proven ability in creating, prioritizing and implementing strategy to deliver novel varieties with improved active pharmaceutical ingredients in medicinal plants, those pharmaceutical industries can rely on to improve the efficacy of their drugs/formulations, worldwide. She has deep and broad technical expertise in medicinal plants such as *Stevia rebaudiana*, *Artemisia annua*, *Tinospora cordifolia*, *Cannabis sativa* and *Cannabis indica*, secondary metabolites enhancement, yield and abiotic stress traits, plant tissue culture and sustainable plant nutrition. Dr. Monica is an inspirational leader and solid communicator with effective problem-solving skills adept at leading diverse teams across functions, cultures and geographies.

She is the recipient of various scientific awards and honors globally including World Intellectual Property Accreditation Scholar Medal by Center for Professional Advancement, Vijayawada, Andhra Pradesh, India, first prize for best paper presentation in National Seminar Biotechnology in Health Care: Challenges and Opportunities Jamia Hamdard, New Delhi, India, GATE by Indian Institute of Technology, Government of India, UGC-Maulana Azad National Fellowship by University Grant Commission, Government of India, International Travel Support by Department of Biotechnology under DBT-CTEP and Science and Engineering Research Board-Department of Science and Technology, Government of India, Nature Travel Grant by Nature Group, USA.

20+ publications, 1 Patent, Guest Associate Editor in Frontiers in Genetics.

Specialties:

Genome Editing (CRISPR/Cas9, CRISPR/Cpf1, HDR), miRNA, GC-MS, HPLC, HPTLC, Plant transformation, qPCR, Confocal microscopy.

Scientific Profile View:

LinkedIn: <https://www.linkedin.com/in/dr-monica-saifi-20274128/>

GoogleScholar: https://scholar.google.com/citations?user=a__oFYUAAAAJ&hl=en

ORCID: <https://orcid.org/my-orcid?orcid=0000-0001-7407-2654>