Sakshi Satish Singh

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Research Institute of Biology
Applied Ecology and Environmental Research Laboratory (AEER- Lab)
Junior Researcher

Education

Institution	Veer Bahadur Singh Purvanchal University -222002,UTTAR Pradesh (Uttar Pradesh)
Faculty	Botany
Date	2016 - 2018
Degree name	Masters

Institution	Veer Bahadur Singh Purvanchal University -222002,UTTAR Pradesh (Uttar Pradesh)
Faculty	Biology
Date	2013 - 2016
Degree name	Bachelor

Language skills

English □□□□□□

Work experience

Institution	Yerevan State University
Period of time	2025 till now
Rank/degree	Senior laboratory assistant

Publications

Article

Addressing Abiotic Stresses and Advancing SDGs by Biochar for Sustainable Agriculture and Environmental Restoration

Abhishek Singh, Ragini Sharma, Sakshi Singh, Rupesh Kumar Singh, Athanasios Alexiou, João Ricardo Sousa, Hassan El-Ramady, Marina Burachevskaya, Vishnu D. Rajput, Karen Ghazaryan

Egyptian Journal of Soil Science 2025 463-489

Article

Sustainable Management of Saline Soils: Insights into Organic Amendments for Enhancing Soil Health and Crop Resilience

Abhishek Singh, Armine Chakhmakhchyan, Nare Darbinyan, Sakshi Singh, Ani Hayrapetyan, Rupesh Kumar Singh, João Ricardo Sousa, Derdzyan Tatevik, Hrant Khachatryan, Karen Ghazaryan

Biogeosystem Technique 2025 36-47

Article

Nanoparticles: Dual role in alleviating abiotic stresses and boosting nutrient efficiency for sustainable agriculture

Abhishek Singh, Roland Bol, Viktoriia Lovynska, Sakshi Singh, Rupesh Kumar Singh, João Ricardo Sousa, Mohamed S. Elshikh, Hrant Khachatryan, Karen Ghazaryan

Advances in Agronomy 2025 1-67

Article

Beyond science: ethical and societal considerations in the era of biogenic nanoparticles

Simran Choudhury, Indrani Bhattacharya, Shreni Agrawal, Abhishek Singh, Vishnu D. Rajput, Sakshi Singh, Gohar Margaryan, Rupesh Kumar Singh, Francisco Roberto Quiroz-Figueroa, Joa˜o Ricardo Sousa, Henrique Trindade, Hassan El-Ramady, Karen Ghazaryan

Biogenic Nanoparticles Interplay with Climate Change and Implications for Human Health 2025 55-78

Article

Emerging Frontiers in Nanotechnology for Salinity Stress Management: A Global Bibliometric Analysis

Abhishek Singh, Vishnu D Rajput, Rupesh Kumar Singh, Mohamed S. Elshikh, Hassan El-Ramady, József Prokisch, Cheng Liu, Priyadarshani Rajput, Tatiana Minkina, João Ricardo, Athanasios Alexiou, Sakshi Singh, Vahagn Varagyan, Karen Ghazaryan

Diyala Agricultural Sciences Journal 2025 46-69

Article

In-depth Exploration of Nanoparticles for Enhanced Nutrient Use Efficiency and Abiotic Stresses Management: Present Insights and Future Horizons

Abhishek Singh, Aishwarya Sharma, Omkar Singh, Vishnu D. Rajput, Hasmik S. Movsesyan, Tatiana Minkina, Athanasios Alexiou, Marios Papadakis, Rupesh Kumar Singh, Sakshi Singh, João Ricardo Sousa, Hassan Ragab El-Ramady, Faisal Zulfiqar, Rahul Kumar, Abdullah Ahmed Al-Ghamdi, Karen Ghazaryan

Plant Stress 2024 1-24

Article

Advancements in Crystallogens Nanoparticles Fabricated by Agricultural Wastes

Sakshi Singh, Prachi Kurhade, Himanshu Bansal, Priyadarshani Rajput

Biogeosystem Technique 2024 91-107

Conference

Impact of Different Methods Priming on Germination of Different Genotypes of Wheat (Triticum Aestivum L.) Under Salinity Stress

Nare Darbinyan, Armine Chakhmakhchyan, Ani Hayrapetyan, Abhishek Singh, Sakshi Singh, Karen Ghazaryan

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Conference

Nanoparticle-Mediated Alleviation of Copper Heavy Metal Stress in Armenian Barley (Hordeum vulgare L.) Genotypes to Enhance Germination and Seedling Growth Traits

Ani Hayrapetyan, Abhishek Singh, Armine Chakhmakhchyan, Nare Darbinyan, Sakshi Singh, Karen Ghazaryan

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Conference

Effect of Nanoparticles on Germination and Seedling Tolerance Traits of Armenian Genotypes of Wheat (Triticum Aestivum L.) Under Salinity Stress

Armine Chakhmakhchyan, Abhishek Singh, Nare Darbinyan, Sakshi Singh, Karen Ghazaryan