

# Сакши Сатиш Синх

✉ sakshisingh@ysu.am

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## Научно-исследовательский институт биологии

Կիրառական Էկոլոգիայի և շրջակա միջավայրի հետազոտությունների  
լաբորատորիա

Младший научный сотрудник

## Образование

Учреждение	Университет Вира Бахадура Сингха Пурванчала
Факультет	Ботаника
Дата	2016 - 2018
Степень / Звание	Магистр

Учреждение	Университет Вира Бахадура Сингха Пурванчала
Факультет	Биология
Дата	2013 - 2016
Степень / Звание	Бакалавр

## Знание языков

English ██████

## Опыт работы

Учреждение	Ереванский государственный университет
Период времени	2025 до настоящего времени
Звание/степень	Старший лаборант

## Публикации

Статья

### 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

Статья

### 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

*Статья*

**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

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*Статья*

**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,

João Ricardo Sousa, Henrique Trindade, Hassan El-Ramady, Karen Ghazaryan

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

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**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

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**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

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**Advancements in Crystallogens Nanoparticles Fabricated by Agricultural Wastes**

Sakshi Singh, Prachi Kurhade, Himanshu Bansal, Priyadarshani Rajput

Biogeosystem Technique 2024 91-107

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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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

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