

RAVI SAINI

✉ ravisaini09121998@gmail.com

📞 +91 7568109694



About me

Scientist-B,

CSR&TI, Berhampore (WB)

Education

Ph.D. in Soil Science

ICAR- Indian Agricultural Research Institute, New Delhi

Duration: 2021 onwards (Pursuing)

Thesis title: *Effect of urea loaded nanoclay biopolymer composites on soil nitrogen dynamics and nitrogen use efficiency under a maize-wheat cropping system*

M.Sc. in Soil Science and Agricultural Chemistry

ICAR- Indian Agricultural Research Institute, New Delhi

Duration: 2019- 2021

Marks - 8.62/10 (CGPA)

Thesis title: *Synthesis and evaluation of urea loaded nanoclay biopolymer composites for enhancing nitrogen use efficiency in rice*

B.Sc. (Hons.) Ag.: Sri Karan Narendra Agriculture University, Jobner, Jaipur

Duration: 2015-2019

Marks - 7.92/10 (CGPA)

Other Qualifications

1. Qualified Indian Council of Agricultural Research- National Eligibility Test (**ICAR-NET**) **2021** in Soil Science
2. Qualified University Grant Commission - National Eligibility Test (**UGC-NET**) **2021** in Environmental Sciences
3. Rajasthan State Certificate in Information Technology (**RS-CIT**) **2018**

Awards and Achievements

1. **Indian Council of Agricultural Research- Junior Research Fellowship** during the M.Sc. degree programme. All India Rank 5, ICAR-JRF, 2019
2. **Indian Council of Agricultural Research- Senior Research Fellowship** during the Ph.D. degree programme. All India Rank 01. ICAR-SRF, 2021
3. **University Grant Commission-Junior Research Fellowship** during the Ph.D. degree programme, 2022
4. **Best M.Sc. Thesis Award** by Society for Scientific Development in Agriculture and technology, Meerut (U.P.) 2021

Research articles

S. No.	Author(s)	Title of paper /publication	Name of Journal	Volume/ Issue, year
1.	Ravi Saini , K.M. Manjaiah, Kapil A. Chobhe, Dhandapani Raju, Rajeev Ranjan, R.S. Bana, Asheesh Kumar	Root Morphological Characteristics of Five Rice Genotypes with Different Nitrogen Use Efficiency	International Journal of Environment and Climate Change	Volume 13, Issue 10 (2023)
2.	Ravi Saini , K.M. Manjaiah, Kapil A. Chobhe, Dhandapani Raju, Naveenkumar A. and Siyaram Meena	Image-Based Phenotyping of Diverse Rice Genotypes under Different Nitrogen Treatments	Biological Forum – An International Journal	Volume – 1, Issue-8a (2023)
3.	Sandeep Gawdiya, Dinesh Kumar, Yashbir Singh Shivay, Radheshyam, Somanath Nayak, Bulbul Ahmed, Babanpreet Kour, Sahadeva Singh, Rahul Sadhukhan, Sintu Malik, Ravi Saini , Anita Kumawat, Naveen Malik, Ahmed Z. Dewidar and Mohamed A. Mattar	Nitrogen-Driven Genotypic Diversity of Wheat (Triticum aestivum L.) Genotypes	<i>Agronomy - Basel</i>	Volume 13 (2023)
4.	Sandeep Gawdiya, Dinesh Kumar, Yashbir Singh Shivay, Babanpreet Kour, Rajesh Kumar, Siyaram Meena, Ravi Saini , Kamal Choudhary, N. Al-Ansari, and A. Z. Dewidar	Field Screening of Wheat Cultivars for Enhanced Growth. Yield. Yield Attributes. and Nitrogen Use Efficiencies	<i>Agronomy - Basel</i>	Volume-13, Issue 8 (2023)

5.	K. R. Rakshitha, Kapil Atmaram Chobhe, R. Dandapani, R. N. Sahoo, Anil Kumar, Ravi Saini and K. M. Manjaiah	Effect of Nitrogen Fertilizers Applied through Nano Clay Polymer Composites on Nitrogen Use Efficiency of Rice	International Journal of Plant & Soil Science	Volume – 35, Issue 20 (2023)
6.	Siyaram Meena, Kapil A Chobhe, KM Manjaiah, SP Datta, Debasish Golui, Atma Ram Meena and Ravi Saini	Preparation and characterization of iron-exchanged red mud for arsenic adsorption efficiency	The Pharma Innovation	Volume – 11, Issue 2, page no. 1768-1771
7.	A. Naveenkumar, K.M. Manjaiah, V.K. Sharma, Prasenjit Ray, Renu Pandey, R.N. Sahoo, Rajesh Kumar, T.K. Das, Md. Basit Raza, Siyaram Meena and Ravi Saini	Assessing the Impact of Functionalized Bentonite in Reducing Lead content and uptake in Spinach (<i>Spinacia oleracea</i> cv. All Green).	Biological Forum – An International Journal,	Volume-15, issue 8, page 135-140 (2023)

Book chapters

S. No.	Author(s)	Title of Chapter	Name of Book / publisher	Volume/ ISBN No.	Publishing Year
1.	Ravi Saini , Siyaram Meena, Sandeep Gawdiya and Jeetram Choudhary	Recent Advances in Management of Salt Affected Soils for Enhancing Crop Productivity	Research Trends in Agriculture Sciences (Akinik Publications)	Volume – 29, ISBN: 978-93-5570-119-0	2022
2.	Ravi Saini , Asheesh Kumar and Kritagya Gangwar	Nutrient Interactions in Crop Plants	Research and Practices in Agronomy (Scripown Publications)	Volume-1, ISBN: 978-93-90833-32-0	2022
3.	Ravi Saini , Bhanu Verma and Siyaram Meena	Soil Carbon Sequestration: Concept, Mechanism and Management Strategies	Recent Trends in Agricultural Sciences (Anaamaya Prakashan)	ISBN: 978-81-953236-1-6	2022
4	Ravi Saini , Asheesh Kumar, Chinmayee Behera, Siyaram Meena,	Biofortification of food crops: Concept, Approaches, and Challenges	Emerging Research Trends in Soil Science and Horticulture (Bluerose publication)	ISBN: 978-93-5628-309-1	2022

5	Sandeep Gawdiya, Ravi Saini and Siyaram Meena	Precision Nutrient Management Options for Conservation Agriculture Based Cropping Systems	Research Trends in Agriculture Sciences (Akinik Publications)	Volume – 29, ISBN- 978- 93-5570- 119-0	2022
7	Siyaram Meena, Asheesh Kumar, Ravi Saini and Atma Ram Meena	Effects of conservation agriculture on soil carbon sequestration	Recent Trends in Agricultural Sciences (Anaamaya Prakashan)	ISBN: 978- 81-953236- 1-6	2022

Popular articles

S. No.	Author(s)	Title of article	Name of publisher	Volume/ Issue/ ISBN No.	Publishing Year
1.	रवि सैनी , राम भरोस मीना, हरबीर सिंह एवं पवन कुमार मलिक	भारत की पोषण सुरक्षा में मोटे अनाजों) मिलेट्स (की भूमिका : वर्तमान परिदृश्य और संभावनाएँ	पूसा सुरभि	अंक 20, आईएस. एस. एन . : 2348-2656	अक्टूबर, 2022 - मार्च, 2023)
2.	रवि सैनी और सियाराम मीना	रागी में एकीकृत पोषक तत्व प्रबंधन	मरुधरा कृषि	अंक 1, आईएस. एस. एन . : 2583-1410	जनवरी- फरवरी (2023)
3.	Ravi Saini , Asheesh Kumar, Bhanu Verma and Siyaram Meena	Phytoremediation for heavy metal removal from soils	Biotica Research Today	Vol 4, Issue 4, Article: RT945	2022
4.	Ravi Saini	Improved Practices for Soil Conservation Under Dry Farming Area	Agriculture & Food E- Newsletter	Volume 04, Issue 04, ISSN: 2581 – 8317	April 2022
5.	Ravi Saini , Siyaram Meena and Bhanu Verma	Application of Gypsum for Reclamation of Sodic Soils	Agri Articles	Volume: 02, Issue: 01, ISSN: 2582- 9882	Jan-Feb, 2022
6.	Ravi Saini	Nutrient Management Under Organic Farming	Just Agriculture	Vol.2 Issue-8, (e-ISSN: 2582- 8223)	April 2022
7.	Ravi Saini , Siyaram Meena and Bhanu Verma	Vermicomposting and its importance in crop production	Nature Science e- Magazine	Volume-1, Issue 3	Jan-2022
8.	Ravi Saini and Asheesh Kumar	Drone and its Applications in Agriculture	Agri Articles	Volume: 02, Issue: 02, ISSN: 2582- 9882	Mar- Apr, 2022
9.	Ravi Saini	Farmer's Friend: Kisan Rath Mobile Application	The Agriculture Magazine	Volume-1, Issue-5,	April, 2022

				E-ISSN: 2583-1755	
10.	Ravi Saini , Asheesh Kumar and Kritagya Gangwar	Applications of Remote Sensing in Agriculture	Agri Articles	Volume: 02, Issue: 02 ISSN: 2582-9882	Mar-Apr, 2022
11.	Ravi Saini	Site-specific Nutrient Management: An Approach to Enhance Nutrient Use efficiency	The Agriculture Magazine	Volume-1, Issue-5, E-ISSN: 2583-1755	April, 2022
12.	खुरशीद आलम, रवि सैनी, प्रेम कुमार बा, तिरुनगरी रूपेश	फास्फोरसधारी उर्वरकों का संतुलित उपयोग: समय की मांग	अक्षय खेती	नवम वर्ष, आईएस. एस. एन .: 2394-6989	2022
13.	सियाराम मीणा, रवि सैनी, आत्मा राम मीणा तथा जीतराम चौधरी	मूंगफली की वृद्धि और उपज पर सल्फर का प्रभाव	एग्री आर्टिकल्स,	वर्ष 02, अंक :01, आई :एस. एस. ए . 2582-9882	जनवरी-फरवरी, 2022
14.	Bhanu Verma, Ravi Saini , Siyaram Meena and Vinay Kumar Kardam	Seed Village Concept	Agriculture and Environment	Volume 3 – Issue 2, Article ID: AEN-2022-03-02-005	Feb-2022
15.	Siyaram Meena, Ravi Saini , Atma Ram Meena, Chinmayee Behera	Nickel availability and toxicity in soil and plants	Nature Science e-Magazine	Volume-1, Issue 3	Jan-2022
16.	Siyaram Meena, Ravi Saini , Atma Ram Meena,	Soil Carbon Sequestration under Conservation Agriculture	Agri Articles	Volume: 02, Issue: 01, ISSN: 2582-9882	Jan-Feb, 2022

Presentation in conferences/ seminars

S. No.	Name of the Conference	Date	Organized by
1.	Oral presentation in International Conference on “Recent Advances for Managing Sustainable Soil Health and Crop Production”	18 to 20 Feb. 2022	GKV Society, Agra, India
2.	Oral presentation in International Conference on “Innovative and Current Advances in Agriculture and Allied Sciences”	12 to 14 June 2022	SSDAT, Meerut, (U.P.)

3.	Poster presentation in International Conference on “Global Efforts on Agriculture, Forestry, Environment and Food Security”	17 to 19 Sept. 2022	Institute of Forestry, Tribhuvan University, Pokhara, Nepal
4.	Oral presentation in International Conference on “Global Research Initiatives for Sustainable Agriculture and Allied Sciences”	21-23 Nov. 2022	Astha Foundation, Meerut (U.P.)

Participation in trainings/workshops/conference

S. No.	Name of the training/workshop	Date	Organized by
1.	International Summer Course on “Sustainable Agricultural Solutions-2022”	03 to 28 July 2022	Ben Gurion University (Israel)
2.	Nature conference on “Waste management and valorisation for a sustainable future”	26 to 28 Oct. 2021	Nature conferences, LG Science Park, Seoul, Korea
3.	Online course on “Overview of Geographical Information System”	03 to 27 Oct. 2022	IIRS, Dehradun
4.	Online course on “Overview of Geographical Information System”	13 to 24 March, 2023	IIRS, Dehradun
5.	Training programme on ‘Data Driven Agriculture: A Statistical Analysis Training using R’	23 - 27 May 2023	Agriculture University, Jodhpur
6.	Summer School Training Program on “Application of Artificial Intelligence in Agriculture”	8- 19 August, 2023	Galgotias University, and ICAR-Central Institute of Temperate Horticulture
7.	Training on Opportunities for Sustainable Technological Interventions in Agriculture and Skill Development Ecosystem	10-16 February, 2022	Nature Science e Magazine and National Environmental Science Academy, New Delhi
8.	Training Programme of NAHEP-CAAST Project on “Off Season Protected Cultivation of Vegetables”	20 January to 02 February, 2022	ICAR- IARI, New Delhi and Chandra Shekhar Azad University of Agriculture and Technology Kanpur (U.P.)

Extra-curricular activities

- NCC- “B” Certificate, 2017
- NCC- “C” Certificate, 2018

Language knowledge

- Hindi
- English

Declaration

I hereby declare that all the information mentioned above is true to best of my knowledge.

Updated on- 15.01.2024

