

CV (Curriculum Vitae)

Name: Dr. Sachin Sharma
Designation: Assistant Professor
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ACADEMIC QUALIFICATION			
DEGREE	INSTITUTE	YEAR	SCORE/ PERCENTAGE
PhD (Soil Science and Agricultural Chemistry)	IAS, Banaras Hindu University, Varanasi, Uttar Pradesh	2018-2023	8.33/10
M.Sc. (Soil Science and Agricultural Chemistry)	IAS, Banaras Hindu University, Varanasi, Uttar Pradesh	2016-2018	8.28/10
B.Sc. Hons. (Agriculture)	RCA, MPUAT, Udaipur, Rajasthan	2012-2016	7.6/10
Senior Secondary (12 th)	CBSE	2009	87.2
Secondary (10 th)	CBSE	2007	90.6
NET	ASRB	2018	66.67

Research and Review articles: -

S. No.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.	Year of publishing	NAAS Rating /Impact factor	Cite
1.	Sachin Sharma, Ayush Bahuguna, Manoj Parihar, Janardan Yadav Surendra Singh	Evaluating Combined effect of Different Coated Urea with PGPR on Yield and Nitrogen Use Efficiency in Lowland Rice by regression model and principal component analysis approach	Journal of Plant Nutrition	Volume 46, Issue 7	15 June 2022	8.28 (International Impact factor 3.28)	Sharma, S., Bahuguna, A., Parihar, M., Yadav, J., & Singh, S. (2023). Evaluating combined effect of different coated urea with PGPR on yield and nitrogen use efficiency in lowland rice by regression model and principal component analysis approach. <i>Journal of Plant Nutrition</i> , 46(7), 1314-1328.
2	Sachin Sharma, Surendra Singh, Ashish Rai , Bharti Yadav and Sreejan Singh	Effect of Different Doses of Iron Chelate on Plant Growth and in Preventing Iron Deficiency	International Journal of Environment and Climate Change	12(11): 2989-2996, 2022; ISSN: 2581-8627	2022	5.13	Sharma, S., Singh, S., Rai, A., Yadav, B., & Singh, S. (2022). Effect of Different Doses of Iron Chelate on Plant Growth and in Preventing Iron Deficiency Chlorosis in Soybean. <i>International Journal of Environment and Climate Change</i> , 12(11), 2989-2996.

		y Chlorosis in Soybean					
3	Sachin Sharma , Chetana Suvalka, Bharti, Manoj Joshi Ayush Bahuguna	Potential inhibitors and plant-based technology: An alternative approach to treat corona virus	Bioorganic Chemistry(Elsevier)	Bioorganic Chemistry 117 (2021) 105460/0045-2068	2021	11.31 (Internal Impact factor 6.31)	Sharma, S., Suvalka, C., Joshi, M., & Bahuguna, A. (2021). Potential inhibitors and plant based technology: An alternative approach to treat corona virus. <i>Bioorganic Chemistry</i> , 117, 105460.
4.	Sachin Sharma , Ayush Bahuguna, Janardan Yadav and Bharti Yadav	Effect of Combined Application of Different Coated Urea on Soil Chemical and Biological Properties in Inceptisols of Varanasi	Biological Forum 2021	13(3a): 550-555(2021)	2021	5.1	Sharma, S., Bahuguna, A., Yadav, J., & Yadav, B., (2021). Effect of combined application of different coated urea on soil chemical and biological properties in inceptisols of Varanasi. <i>Biological Forum</i> , 13(3a),550-555
5	Ayush Bahuguna, Sachin Sharma* and	Effect of Different Organic Sources on Physical, Chemical	International Journal of Plant & Soil Science	33(5): 41-52, 2021; / 2320-7035	2021	5.07	Bahuguna, A., Sharma, S., & Yadav, J. (2021). Effect of different organic sources on physical, chemical and biological properties of soil in inceptisols of Varanasi. <i>International</i>

	Janardan Yadav *(corresponding author)	and Biological Properties of Soil in Inceptisols of Varanasi					<i>Journal of Plant & Soil Science</i> , 33(5), 41-52.
6	Sachin Sharma , Ayush Bahuguna, Janardan Yadav and Neelam Yadav	Effect of Polymer Coated Urea, Neem Coated Urea and PGPR on Yield of Rice (Oryza sativa) in Inceptisol of Varanasi	Journal Of Pharmacognosy and Phytochemistry	8(6):888-892/ 2278-4136	2019	5.21	Sharma, S., Bahuguna, A., Yadav, J., & Yadav, N. (2019). Effect of polymer coated urea, neem coated urea and PGPR on growth and yield of rice (Oryza sativa L.) in inceptisol of Varanasi. <i>Journal of Pharmacognosy and Phytochemistry</i> , 8(6), 888-892.
7	Saroj Choudhary, Surendra Singh and Sachin Sharma	Impact Of Sulphur And Boron Addition On Soil Chemical Properties , Activity Of Soil Enzymes And Lentil Production In Red Soils Of Vindhyan Region, Uttar Pradesh	Journal of Plant Development Sciences	Vol. 13(5): 265-276. 2021	2021	4.13	Choudhary, S., Singh, S. & Sharma,S.(2021) Impact Of Sulphur And Boron Addition On Soil Chemical Properties, Activity Of Soil Enzymes And Lentil Production In Red Soils Of Vindhyan Region, Uttar Pradesh <i>Journal of Plant Development Sciences</i> , 13(5), 265-276.

8	Ayush Bahuguna, Janardan Yadav, Sachin Sharma and Neelam Yadav	Effect of Biochar, Carpet Waste, FYM and PGPR On Growth and Yield of Rice Under Organic Farming System	International Journal of Current Microbiology and Applied Sciences	9(3): 1450-1456/ 2319-7706	2020	5.38	Bahuguna, A., Sharma, S., Yadav, J., & Yadav, N. (2020). Effect of Biochar, carpet waste, FYM and PGPR on growth and yield of rice under organic farming system. <i>Int J Curr Microbiol App. Sci</i> , 9(3), 1450-1456.
9	Neelam Yadav, S. K Singh, Ayush Bahuguna, Sachin Sharma and Arvind Yadav	Assessment of Effect of Sewage Sludge, Zinc, Boron and Sulphur Application on Concentration and Uptake of Nutrients by Mustard	International Journal of Chemical Studies	Vol 6(4): 363-367	2018	5.31	Yadav, N., Singh, S. K., Bahuguna, A., Sharma, S., & Yadav, A. (2018). Assessment of effects of sewage-sludge, zinc, boron and sulphur application on concentration and uptake of nutrients by mustard. <i>IJCS</i> , 6(4), 363-367.
10	Bharti Yadav, Naga SR, Yadav BL, Sachin Sharma and Shalu Kumari Meena	Effect of different fertility levels and organic manures on biological properties of soil in Pearl millet	Journal Of Pharmacognosy and Phytochemistry	Vol.9(1): 210-213	2020	5.21	Yadav, B., Naga, S. R., Yadav, B. L., Sharma, S., & Meena, S. K. (2020). Effect of different fertility levels and organic manures on biological properties of soil in Pearl millet. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9(1), 210-213.

11	Ashish rai, Sac hin Sharma	Sulphur in soils and plants; An overview	Internationa l research journal of pure and applied chemistry (publons)	Vol 21(10): 66- 70,2020	2020	5.00	Rai, A., Singh, A. K., Mishra, R., Shahi, B., Rai, V. K., Kumari, N., & Singh, S. (2020). Sulphur in Soils and Plants: An Overview. <i>International Research Journal of Pure and Applied Chemistry</i> , 21(10), 66-70.
12	Sachin Sharma, Arvind Kumar Yadav, M.P. Yadav, Shashi Verma	Revolutio nizing Agricultu re with Nanotech nology: Advances , Applicati ons, and Sustainab ility Considera tions	<i>Internation al Journal of Environme nt and Climate Change</i>	Vol 14(7), 1-9.	2024	5.16	Sharma, S., Yadav, A. K., Yadav, M. P., & Verma, S. (2024). Revolutionizing Agriculture with Nanotechnology: Advances, Applications, and Sustainability Considerations. <i>Internationa l Journal of Environment and Climate Change</i> , 14(7), 1-9.
13	Bharti Yadav, Syurendr a Singh, Sachin Sharma, ...	Influence of liming and phosphor us applicatio n on growth of soybean in acidic soil of Chandauli , Uttar Pradesh, India	<i>Internation al Journal of Plant and Soil Science,</i>	Vol 36(9),1 58-166.	2024	5.07	Yadav, B., Singh, S., Sharma, S., Pandey, A., Yadav, A., Jaiswal, S., & Singh, S. (2024). Influence of liming and phosphorus application on growth of soybean in acidic soil of Chandauli, Uttar Pradesh, India. <i>International Journal of Plant and Soil Science</i> , 36(9), 158-166. https://doi.org/10.9734/ijpss/2024/v36i94962
14	Bahugun a A, Singh SK, Pandey A, Sharma	Effect of Ni and Fe co- applicatio n on the soybean crop	Communica tions in Soil Science and Plant Analysis	Vol 55(22)	2024	7.3 Impact 1.3	Bahuguna, A., Singh, S. K., Pandey, A., Sharma, S., Pradhan, S., Arvind, ... & Singh, P. (2024). Effect of Ni and Fe Co-Application on the Soybean Crop Grown in Nickel and Iron Deficient

	S, Pradhan S, Arvind, Singh P.	grown in nickel and iron deficient soils of Mirzapur District.					Soils of Mirzapur District. <i>Communications in Soil Science and Plant Analysis</i> , 55(22), 3400-3417. DOI: 10.1080/00103624.2024.2397029
15	Bahuguna, A., Singh, S. K., Kuriyal, H., Sharma, S. , Rai, A., Bharteey, P. K., & Pradhan, S.	Conjoint application of Ni and Mn on the enzymatic activities, nutritional parameters, and nutrient concentration in the soybean crop grown in Ni- and Mn-deficient soil”	Discover Soil Springer Nature	Vol 2,115	2025		Bahuguna, A., Singh, S. K., Kuriyal, H., Sharma, S. , Rai, A., Bharteey, P. K., & Pradhan, S. (2025). Conjoint application of Ni and Mn on the enzymatic activities, nutritional parameters, and nutrient concentration in the soybean crop grown in Ni- and Mn-deficient soil. <i>Discover Soil</i> , 2, 115. https://doi.org/10.1007/s44378-025-00145-1
16.	Balai, L. P., Khardia, S. M., Singh & Sharma, S	Status, crop losses, epidemiology, variability, and disease management of cumin blight: A review	Journal of Spices and Aromatic Crops	Vol.34(1)	2025		Balai, L. P., Khardia, S. M., Singh, N., Sethi, I. B., & Sharma, S. (2025). Status, crop losses, epidemiology, variability, and disease management of cumin blight: A review. <i>Journal of Spices and Aromatic Crops</i> , 34(1), 1–14. https://doi.org/10.25081/josac.2025.v34.i1.9771

2. Books

S. No.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.	Publishing Year	Proof at Page No.
1.	Ashish Rai, Rahul Mishra, Ajit Kumar Dubedi Anal, Vipin Kumar, Sachin Sharma and Ayush Bahuguna	Instant Soil Science	Kushal Publisher And Distributers, Varanasi	9788193811320	2018	Rai, A., Mishra, R...Sharma, S., and Bahuguna, A.,(2018) <i>Instant Soil Science</i> .Varanasi: Kushal Publisher And Distributers,214.

3. Book Chapters

S. N o.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.	Publishing Year	Cite
1	Ayush Bahuguna, Sachin Sharma, Ashish Rai...	Advance technology for biostimulants in agriculture	Elsevier publications	ISBN: 978-0-323-85581-5	2022	Bahuguna, A., Sharma, S., Rai, A., Bhardwaj, R., Sahoo, S. K., Pandey, A., & Yadav, B. (2022). Advance technology for biostimulants in agriculture. In <i>New and Future Developments in Microbial Biotechnology and Bioengineering</i> (pp. 393-412). Elsevier.
2	Ayush Bahuguna, S. K. Singh, Sachin Sharma...	Soil Pollution Due to Sewage Sludge and Industrial Effluents	Springer Nature Switzerland	ISBN 978-3-031-09269-5	2022	Bahuguna, A., Singh, S. K., Sharma, S., Arvind, Pandey, A., Dadarwal, B. K., ... & Khatana, R. N. S. (2022). Soil Pollution Due to Sewage Sludge and Industrial Effluents. In <i>Soil Health and Environmental Sustainability: Application of Geospatial Technology</i> (pp. 345-367). Cham: Springer International Publishing.
3	Sachin Sharma, Surendra Singh,	Nanotechnology: An Efficient Tool in	Nova publishers, New York	978-1-68507-614-6	2022	Sharma, S., Singh, S. S., Bahuguna, A., Yadav, B., Barthwal, A., Nandan, R., ... & Singh, H. (2022). Nanotechnology: An Efficient Tool in Plant Nutrition

	Ayush Bahuguna, Bharti Yadav, Akshita Barthwal,	Plant Nutrition Management				Management. <i>Ecosystem Services: Types, Management and Benefits</i> .
4.	Manoj Chitara, Sachin Sharma...	The structure, function, utility, of the rhizosphere microbiome of cereal crops	Elsevier publications	ISBN 978-0-323-90590-9	2022	Chitara, M. K., Sharma, S., Parihar, M., Jeevan, B., Sangannavar, P. A., Kumar, A., ... & Subrahmanyam, G. (2022). The structure, function, and utility of the rhizosphere microbiome of cereal crops. In <i>Microbial Resource Technologies for Sustainable Development</i> (pp. 77-111). Elsevier.
5	Sachin Sharma And Ayush Bahuguna	Iron As An Essential Micronutrient	Advances in Agricultural and Rural Development/Rubicon publisher	978-1-913482-93-0	2019	Sharma, S., and Bahuguna, A.,(2019). Iron As An Essential Micronutrient. <i>Advances in Agricultural and Rural Development</i> ,101-112.
6	Sachin Sharma ,Ayush Bahuguna	Crop rotation	Organic farming practices and sustainable agriculture	9789390217021	2020	Sharma, S., and Bahuguna, A.,(2020).Crop rotation. <i>Organic farming practices and sustainable agriculture</i> ,2(1),39-53.
7	Asha kumara,Mahendra singh Bhinda, Sachin Sharma ,Manoj Parihar	ROS Regulation Mechanism for Mitigation of Abiotic Stress in Plants	Intechopen, United Kingdom	DOI: http://dx.doi.org/10.5772/intechopen.99845	2021	Kumari, A., Bhinda, M. S., Sharma, S., Chitara, M. K., Debnath, A., Maharana, C., ... & Sharma, B. (2021). ROS regulation mechanism for mitigation of abiotic stress in plants. <i>Reactive oxygen species</i> , 28, 197-238.
8	Manoj Kumar Chitara,Rajesh Pratap Singh, Prince Kumar Gupta, Sachin Sharma and Hanuman Singh Jatav	The Risk Associated with Crop Ecosystem Management and Pesticides Pollution	Nova publishers, New York	978-1-68507-614-6	2022	Chitara, M. K., Singh, R. P., Gupta, P. K., Mishra, D., Jatav, S. S., Sharma, S., & Jatav, H. S. (2022). The risk associated with crop ecosystem management and pesticides pollution. <i>Ecosystem Services, ed.: HS Jatav (Nova Science Publishers, Inc.)</i> , 151-163.
9.	Rai, A., Mishra, R., Patra, A., Singh, A. K., Sharma, S. , Bahuguna, A.& Rai, S.	Microbes and compost: an emerging role in climate resilience agriculture.	Academic Press.		2025	Rai, A., Mishra, R., Patra, A., Singh, A. K., Sharma, S., Bahuguna, A., ... & Rai, S. (2025). Microbes and compost: an emerging role in climate resilience agriculture. In <i>Sustainable Management of Agro-Food Waste</i> (pp. 105-125). Academic Press.

10.	Mishra R, Rai A, Rai A, Sharma S , Rai PK	Sustainable soil management: development and adoption of novel fertilizers	Springer, Singapore.		2025	Mishra R, Rai A, Rai A, Sharma S, Rai PK. (2025). Sustainable soil management: development and adoption of novel fertilizers. pp. 121–48. In: Indian Agriculture: Challenges, Priorities and Solutions. Springer, Singapore.
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3. Popular Articles

S. No.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.	Publishing Year	Cite
1.	Sachin Sharma , Ayush Bahuguna	Hydrogel and its role in agriculture	Marumeg	2456-2904	2021	Sharma, S., and Bahuguna, A.,(2020). Hydrogel and its role in agriculture. <i>Marumeg</i> ,6(2),26-27.
2.	Sachin Sharma , Ayush Bahuguna...	Crop Residue Management – A major issue in today's Agriculture	AGRICULTURE & FOOD: e-Newsletter	2581 - 8317	2020	Sharma, S., and Bahuguna, A.,(2020). Crop Residue Management – A major issue in today's Agriculture. <i>AGRICULTURE & FOOD:e-Newsletter</i> ,2(1),213-216.
3.	Sachin Sharma , Ayush Bahuguna...	Iron an essential micronutrient: Deficiency, Soil Testing and its Fertilizers	AGRICULTURE & FOOD: e-Newsletter	2581 - 8317	2020	Sharma, S., and Bahuguna, A.,(2020). Iron an essential micronutrient: Deficiency, Soil Testing and its Fertilizers. <i>AGRICULTURE & FOOD:e-Newsletter</i> 2(3),417-419.
4	Sachin Sharma , Ayush Bahuguna	Nickel (Ni) as the essential micronutrient for plants	AGRICULTURE & FOOD: e-Newsletter	2581 - 8317	2020	Sharma, S., and Bahuguna, A.,(2020). Nickel (Ni) as the essential micronutrient for plants. <i>AGRICULTURE & FOOD:e-Newsletter</i> 2(1),219-2021.
5.	Sachin Sharma , Ayush Bahuguna	Manganese – Its Role, Deficiency and Fertilization in the soil and plant	AGRICULTURE & FOOD: e-Newsletter	2581 - 8317	2020	Sharma, S., and Bahuguna, A.,(2020). Manganese – Its Role, Deficiency and Fertilization in the soil and plant. <i>AGRICULTURE & FOOD:e-Newsllette</i> , 2(3),417-419.

6.	Ayush Bahuguna, Sachin Sharma	Biochar As Carbon Sequestration Potential	Marumeg	2456-2904	2021	Sharma, S., and Bahuguna, A.,(2021). Hydrogel and its role in agriculture. <i>Marumeg</i> ,6(2),12-14.
7.	Basant Kumar Dadarwal, Sachin Sharma , Ayush Bahuguna	अनाज का सुरक्षित भंडारण (Hindi)	Marumeg	2456-2904	2021	शर्मा, एस., एवं बहुगुणा, ए. (2021). अनाज का सुरक्षित भंडारण. मारुमेघ, 6(2), 4-6.
8.	Basant Kumar Dadarwal, Sachin Sharma , Ayush Bahuguna,	खार की खेती (Hindi)	Marumeg	2456-2904	2021	शर्मा, एस., एवं बहुगुणा, ए. (2021). खार की खेती. मारुमेघ, 6(1), 13-15.
9.	Ravindra Meena, Sachin Sharma...	फसल अवशेष के सही प्रबंधन से लाभ (hindi)	Krishak Aradhana		2021	
10	Ravindra Meena, Sachin Sharma...	गहरी जुताई का महत्व (hindi)	Krishak Aradhana		2021	
11	Sachin sharma , astha pandey atyush bahuguna...	दलहन फसलों के पैदावार और पोषण में मोलिब्डेनम पोषक तत्व की महत्वपूर्ण भूमिका	Adhunik Kisan (Kisan Mela Visesank)		2024	दलहनी फसलों के उत्पादन एवं पोषण में मोलिब्डेनम पोषक तत्व की महत्वपूर्ण भूमिका (2024). विशेष संस्करण अधुनिक किसान, वर्ष 53, अंक 1

4. Special Trainings related to specialization

S. No.	Name of Training	Organized at	Duration	
			From	To
1.	Soil survey and Classification	ICAR NBSS &LUP Nagpur	15 May 2017	27 May 2017
2.	Hyper spectral remote sensing and its application	Indian institute of remote sensing, ISRO	19 Feb 2018	13 March 2018
3.	Remote sensing and GIS Software	IIT Kharagpur	20 January 2019	21 January 2019

4.	Phosphorous synthesis, granulating and manufacturing	Patel phoschem, Udaipur	18 September 2015	18 December 2015
5.	Summer School / Orientation Programme	RARI, DURGAPURA, Jaipur	21 days, 21 st September	11 th October

5. Lifetime Membership of Society

S. No.	Professional societies	Membership
1.	Lifetime Membership of Agricultural Technology Development Society (ATDS), Uttar Pradesh	Lifetime Membership

1. Recognition, Awards and Fellowship:

S. No.	Name of Award/Honour	Conferred by Organization	Year of Award	Proof at Page No.
A. Associateship of recognized National Academies/ National Awards of ICAR/CSIR/UGC/DST/MNRE and Central Government Organization				
1	Fellowship UGC-NonNet Fellowship	UGC	2018 to 2022	

B. Award given by the State Professional Scientific Societies		Government/ National	Institutes/ Universities/ Registered	
1.	Best Research thesis award on MSc. Thesis	ATDS Society, Uttar Pradesh	2021	
2.	Best Oral award	Confederation on Horticulture association of India	2019	
3	Best Poster	Institute of Agricultural Sciences BanarasHindu University, Varanasi	2019	
4.	Best oral Topic: Iron Fractions in Inceptisols of Indo- Gangetic Plain	International Conference on Advanced Agricultural Technologies for Self-Reliant Farmers and Developed India. By IRRI and RPCAU PUSA,	2024	

		Bihar		
5.	Best poster “Effect of Iron Sources and Moisture Regimes on DTPA-Extractable Iron in Alluvial and Black Soils of Indo-Gangetic plain”.	1st National Seminar on Sustainability in Agriculture for Achieving Sustainable Development Goals (SDGs) 30-31st October “	2025	

Reviewer of Journals (peer reviewed)

S. No.	Reviewer of Journals (peer reviewed)	NAAS Rating	International impact factor
1.	Field Crops Research (Elsevier)	11.3	5.3
2.	International Journal of Environment and Climate Change	5.13	-
3.	Journal of Scientific Research and Reports	5.17	-
4.	Frontiers in Agronomy	10.1	4.1
5.	Journal of Advances in Biology and Biotechnology	5.3	
6.	Microbiology Research Journal International	5.14	

S. No.	Co-Organising Convener	Date
1.	5 th International Conference on Advances in Smart Agriculture and Biodiversity Conservation for Sustainable Development	March 04-06, 2022
2.	Organizing Committee Member International Conference on Advanced Agricultural Technologies for Self-Reliant Farmers and Developed India. By IRRI and RPCAU PUSA, Bihar	11 Feb 2024