



## Curriculum Vitae

**Name –** Ayush Bahuguna.

**Designation –** Assistant Professor , Department of Ag Chemistry and Soil Science, CH. CHHOTU RAM(PG) College.

**Date of Birth –** 15/08/1995.

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### (a) EDUCATIONAL CAREER

S. no	Qualification / Degree	Specialization /Subjects	Board / University	Year
1-	Matriculation level (Secondary)	ENGLISH COMM, HINDI COURSE A, MATHEMATICS, SCIENCE, SOCIALSCIENCE, INTRODUCTORY IT	Central Board of Secondary Education(CBSE)	2010
2-	Higher Secondary (10+2)	ENGLISH CORE, BIOLOGY, MATHEMATICS, PHYSICS, CHEMISTRY, INFORMATICS PRACTIS	Central Board of Secondary Education(CBSE)	2012
3-	Bachelor's Degree	B.Sc. (Agriculture)	Govind Ballabh Pant University of Agriculture and Technology (GBPUAT)	2016
4-	Master's Degree	SOIL SCIENCE & AGRICULTURAL CHEMISTRY	Banaras Hindu University (BHU)	2018
5-	Ph.D.	SOIL SCIENCE & AGRICULTURAL CHEMISTRY	Banaras Hindu University (BHU)	2023

### b) PARTICULARS OF PRIZES, MEDALS, SCHOLARSHIPS, ETC. IN ACADEMIC FIELD

Awards, recognition and special attainment	Name of projects/ Fellowship/ Awards	Awarding agency	YEAR
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JRF	Junior research fellowship	ICAR	2016-2018
Other fellowship(Ph.D.)	UGC fellowship	UGC	2018
NET	ICAR -NET	ICAR-ASRB	2018
Best poster	Soil and Civilization	Dept of Soil Science, IAS, BHU	2018
Best oral	Word Soil Day	Indian Society of Soil Science, Varanasi Chapter	2021
SRF	Senior Research Fellowship	ICAR	2018

e) SEMINARS / CONFERENCES /WORKSHOP/Training/ ATTENDED –

	Seminars/ Conferences/ Workshop	Title	Authorship position/Organizer	Date
1-	<b>National Seminar on Soil and Civilization</b>	Effect of Biochar, Carpet waste, FYM and PGPR on Growth and Yield of Rice under Organic Farming System”	First	5 <sup>th</sup> Dec ,2018
2-	<b>National Seminar on Approaches for Climate Smart Agriculture Water &amp; Soil Management</b>	Soil as a Carbon Store House: A New Weapon Against Climate Change	Second	23-24 March,2018
3-	<b>3<sup>rd</sup> International Conference (GIASE - 2019)</b>	Effect of Polymer Coated urea and Neem Coated Urea on Chemical properties of Inceptisol of Varanasi for Rice ( <i>Oryza sativa. L</i> )	Second	18-19 May,2019
4-	<b>84<sup>th</sup> Annual Convention of Indian Society of Soil Science</b>	Effect of Biochar, Carpet Waste, FYM and PGPR on Biological Properties of Soils by Rice under Organic Farming System	First	15-18 Nov,2019
5-	<b>Symposium on Research ethics</b>	Where and how to publish	Springer	27 March, 2019
6-	<b>National workshop on popularization of remote sensing-based maps and Geospatial information</b>	Popularization of remote sensing-based maps and Geospatial information	ISRS and ISRO	11 August ,2020

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7-	<b>Training of 15 days</b>	“Soil Survey & Classification”	ICAR-NBSS&LUP, Nagpur	May 15-27, 2017.
8-	<b>Training of 2 days</b>	Remote sensing and GIS software for Agriculture operation	IIT Kharagpur	20-21 January, 2019
9-	<b>Training of 7 days</b>	Faculty development program	IGNOU	2022, September (1-7)

**d) PUBLICATIONS (REFEREED JOURNALS)**

<b>S.no</b>	<b>Authors</b>	<b>Title of research/review paper</b>	<b>Journal name</b>	<b>NAAS rating</b>	<b>Year of publication</b>
1-	Ayush Bahuguna, Sachin Sharma and Janardan Yadav	Effect of Different Organic Sources on Physical, Chemical and Biological Properties of Soil in Inceptisols of Varanasi	International Journal of Plant & Soil Science	5.07	2021
2	Sachin Sharma, Chetana Suvalka, Bharti, Manoj Joshi Ayush Bahuguna	Potential inhibitors and plant-based technology: An alternative approach to treat corona virus	Bioorganic Chemistry	11.23	2021
3	Sachin Sharma, Ayush Bahuguna, Surender Singh, Manoj Parihar	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	8.28	2022
4	Ayush Bahuguna <sup>1</sup> , Satish Kumar Singh <sup>2*</sup> , Sachin Sharma <sup>2</sup> , Munesh Kumar Shukla <sup>2</sup> , Nidhi Luthra <sup>1</sup> , Prem Kumar Bharteey <sup>1</sup> , Sarvajeet <sup>3</sup> , Arvind <sup>4</sup> , and Astha Pandey <sup>2</sup> and Pavan Singh <sup>2</sup>	Effect of Calcium Carbonate, pH and Time on the Adsorption and Desorption of Ni in Soils of Shikar Block of Mirzapur District of Uttar Pradesh	Biological Forum – An International Journal	5.11	2022
5	Prem Kumar Bharteey, Bipul Deka, Marami Dutta, Rituparna Saika, Jonali Goswami, Rajnish Yadav, Sukirtee, Ayush Bahuguna, Nidhi Luthra, Sarvajeet.	Soil -site suitability assessment of Moridhal watershed in Dhemaji district of Assam, India using remote sensing and GIS techniques.	Agricultural Mechanization in India	6.29	2022

<b>6</b>	Sudheer kumar , P K Bharteey, Lata Vishnoi , Sumit Rai , Supriya Pandey ,Bipul Deka, Marami dutta, Ashok Kumar, Sanjeev Ranjan Bohra, Ayush Bahuguna ,Nidhi Luthra and Sudhir Pal	Assessment of soil fertility for wheat using combined Fuzzy and AHP techniques in Udham Singh Nagar of Uttarakhand, India	Ecology ,Environment and Conservation	5.41	2023
<b>7</b>	Tusarkanta Behera, Anand Prakash Singh, Aditi Chourasia, Arvind , Ayush Bahuguna, Nitish Singh , Munesh Shukla ,Pavan Singh , P K Bharteey, Sumit Tripathi.	Effect Of Fly Ash, Lime and Chemical Fertilizers on Soil Physico-Chemical Properties and Growth Of Lentil	Pollution Research	5.10	2023
<b>8</b>	Yad Vir Singh, P K Bharteey,S K Singh and Ayush Bahuguna	Impact of Nutrient Management Technologies on Maize under Irrigated Conditions in Chandauli District, Uttar Pradesh	Environ ment and Ecology	5.25	2023

**e) OTHER PUBLICATIONS**

S.no	Category of Publication	Name of Publication/Title of paper	Authors	Year of Publication	Publisher
1-	Book	Instant Soil Science	Ashish Rai, Rahul Mishra, Ajit Kumar Dubedi Anal, Vipin Kumar, Sachin Sharma and Ayush Bahuguna	2018	Kushal Publisher And Distributers
2-	Book Chapters	Advances in Agricultural and Rural Development	Sachin Sharma And Ayush Bahuguna	2019	Rubicon publisher
3-	Book Chapters	Organic Farming Practices and Sustainable Agriculture	Ayush Bahuguna, Sachin Sharma, Arvind, Tusarkanta Behera, Sonam Singh, Helena Chanu and Sri Laxmi	2020	Akinik
4-	Popular articles	Nickel (Ni) as the essential micronutrient for plant, Manganese – Its Role, Deficiency and Fertilization in the soil and plant Crop Residue Management – A major issue in today's Agriculture and Iron an essential micronutrient: Deficiency, Soil Testing and its Fertilizers	Ayush Bahuguna and Sachin Sharma	2020	Agriculture and food
5-	Popular articles	Use of smart sensors in soil measurement and Nano fertilizers a revolution in fertilizer industry	Ayush Bahuguna, Sachin Sharma, and Basant Kumar Dadarwal	2021	Marumegh
6-	Book Chapter	Advance technology for biostimulant	Ayush Bahuguna Sachin Sharma, Ashish Rai, Sanjeev Kumar Sahoo, Astha Pandey ,Bharti Yadav	2022	Elsevier
7-	Book Chapter	Soil pollution due to Sewage Sludge and Industrial Effluents	Ayush Bahuguna,S K Singh , Sachin Sharma, Arvind , Astha Pandey, Basant Kumar Dadarwal, Bharti Yadav, Akshita Barthwal , Raghunandan Singh Khatana	2022	Springer
8	Book	Practical manual on Fundamentals of Soil Science	G.R.Singh , Ayush Bahuguna, Nidhi Luthra, Prem Kumar Bharteey	2022	Shri Gyan Sagar Publisher , Meerut
9	Book	Managing Soil Health for Sustainable Agriculture	Prem Kumar Bharteey, Ayush Bahuguna, Nidhi Luthra ,S hakti Om Pathak	2022	Bhumi Publishing, Kohlapur

f) OTHER EXPERTISE- Knowledge in handling of atomic absorption spectrometer (AAS).