



Faculty Profile on University Website

www.mjpru.ac.in

Title	Prof./Dr./Mr./Ms.	First Name	Sanjay Kumar	Last Name	Garg	
Designation		Professor				
Department		Department of Plant Science				
Address	Campus	M.J.P. Rohilkhand University, Bareilly-243006 (U.P.).				
	Residence	130 Near Neeldev Hospital, K. K. Hospital Road, Rajender Nagar, Bareilly 243001 (U.P.)India.				
Mobile No.		09412293886				
Email ID		Personal		gargskplantscience@gmail.com		
		University Domain		sanjaykumar@mjpru.ac.in		
Professional Networking ID, i.e. LinkedIn, Twitter etc.						
Educational Qualifications (Graduation Onwards)						
Course/Degree		Institution	Year	Details/Thesis Topic/Subjects		
B.Sc.		MJPRU, Bareilly	1986	Zoology, Botany, Chemistry		
M.Sc.		MJPRU, Bareilly	1988	Botany		
Ph.D.		MJPRU, Bareilly	1992	Thesis entitled "Effect of certain growth regulators, sugars and light on ammonium assimilation in maize leaves" under the supervisor of Prof. H. S. Srivastava.		
Career Profile						
Organization/Institution		Designation	Duration	Nature of Duties		
MJP Rohilkhand University Bareilly		Asst. Professor	1998 – 23 Feb 2010	Teaching & Research		
MJP Rohilkhand University Bareilly		Asso. Professor	24/02/2010 - 23/02/2013	Teaching & Research		
MJP Rohilkhand University Bareilly		Professor	24/02/2013 continuing	Teaching & Research		
Research Interests/Specialization						
Plant Physiology & Biochemistry - Nitrogen metabolism (ammonium assimilation)						
Research Experience in Years: 22						
No of Research Scholars Successfully Guided						
Name of Programme		Awarded		Under Supervision		
Ph.D.		06		02		
M.Phil.		0		0		

Desertation (M.Ed. / M.A.)		0		0					
Researcher/ Expert ID	Scopus	Orcid	Publons	Vidwan	Google Scholar				
			AAP-5467-2020		sanjaykumar@mjpru.ac.in				
Teaching Experience (Subjects/Courses Taught)									
22 Yrs. (P.G.)									
Honours / Awards & Fellowship FOR OUTSTANDING WORK									
Name of Award/ Fellowship	Awarded By								
	Name of Governmental Agency	Name of Government Supported Organization/ Department		Name of International Recognized Body					
Fellow	-	-		Indian Botanical Society					
Councillor	-	-		Indian Botanical Society					
JRF	CSIR	-		-					
Research Associate	DST	-		-					
Publications / Awards & Academic Activities (Numbers Only)									
Books & Monographs (Single Author)	-	Research Papers Published in International Journals	10	Papers Presented in Seminars/ Conferences	14	Seminars/ Conferences Organized	02	Research Projects (Completed)	-
Books (Co-authored)	-	Research Papers Published in Other Journals	40	Seminar/ Conferences Attended	14	Workshops Organized	02	Research Projects (Ongoing)	01
Books (Edited)	-	Articles Published in Popular Fora, e.g., Websites,	-	Sessions Chaired in Seminars/ Conferences	03	Membership of Academic/ Professional Bodies	03	Foreign Countries Visited for Academic Assignments	-
Chapters in Edited Books	03	Blogs Newspapers, Magazines etc.		Resource Lectures Delivered	01				
Details of Publications/ Academic Activities (2010 Onwards)									
(a) Authored Books/ Monographs									
Name of Book	Year of Publication			Publisher			ISBN No		

(b) Edited Books					
Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
(c) Papers Published in UGC Care Listed/ Indexed/Peer Reviewed Journals					
Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2021	Arora, P.K., Mishra,R., Omar, R.A., Saroj, R. S., Srivastava, A., Garg, S. K. Draft genome sequence data of a chromium reducing bacterium, Bacillus licheniformis strain KNP	Data in Brief	2352-3409		2.27
2020	Maurya, S.K., Garg, S.K. Morphological and Biochemical responses to Boron and Zinc fertilizers in <i>Stevia rebaudiana</i>	<i>Plant Archives</i> 20 (1), 344-348.	0972-5210		
2019	Saini, D.K., Garg, S.K., Kumar, M. Major air pollutants and their effects on plant and human health: a review	<i>Plant Archives</i> 19 (2) 3273-3278.	0972-5210		
2019	Maurya, S.K., Garg, S.K. Role of peptide hormones in plants	<i>International Research Journal of biological Sciences</i> 8 (2), 15-23.	2278-3202		
2019	Maurya, S.K., Garg, S.K. Effects of macronutrients (N, P and K) on the Morphological and Biochemical Parameters of <i>Stevia Rebaudiana</i> (Bertani)	<i>Biotech Today: An International Journal of Biological Sciences</i> 9 (1), 49-52.	2319-2186		
2018	Arora, P.K., Srivastava, A., Garg, S.K. , Singh, V.P. Recent advances in degradation of chloronitrophenols	<i>Bioresource Technology</i> 250, 902–909. IF: 6.960	0960-8524	26	6.960
2017	Chandra, S., Garg, S.K. Pre and Post-monsoon Seasonal Variation of some Heavy Metal Pollution in Sediments of river Gomti in the Vicinity of Lucknow City, India	<i>J. Appl. Sci. Environ. Management</i> 21 (3), 593-599.	1119-8362	1	
2017	Mishra, R., Garg, S.K. Regulation of nitrate reductase activity in poplar (<i>Populus deltoids</i>) leaves by benzyladenine with calcium, egta (calcium chelator) and lacl3 (calcium channel blocker)	The bioscan 12 (2), 855-859.	0973-7049		
2016	Maurya, S.K., Khan, M.G., Garg, S.K. Systemin: A Wound Responsive Plant Peptide Hormone	<i>Biotech Today: An International Journal of Biological Sciences</i> 6 (2), 25-32.	2319-2186		
2015	Chandra, S., Singh, R.P., Garg, S.K. Potential of <i>Mimulus glabratus</i> in removal of Fe and Cu from the aqueous solutions containing Nitrate and Phosphate and its growth responses	<i>Journal of Applied Sciences and Environmental Management</i> 19 (3), 421-425.	1119-8363		
2015	Sengar, K., Sengar, R.S., Garg, S.K. Effect of growth hormone and ph concentration on in vitro regeneration of sugarcane varieties	<i>International Journal of Basic and Applied Biology</i> 2 (4), 234-237.	2394-5820		
2015	Chandra, S., Singh, R.P., Garg, S.K. Influence of Salinity Stress on Phytoaccumulation of (Fe and Cu) by Two Macrophytes and Their Biochemical Responses	<i>American-Eurasian J. Agric. & Environ. Sci.</i> , 15 (5): 843-847	1818-6769		
2015	Chandra, S., Rawat, S.K., Singh, R.P., Garg, S.K. Seasonal variation of heavy metals (Fe and Cu) in river Gomti of Lucknow city and comparative study of their phyto	<i>Int. J. of Ecosystems and Ecology Sciences</i> 4 (3), 309-314.	2224-4980		

	accumulation by two native macrophytes Trapa natans and ...				
2014	Maurya, S.K., Srivastava, A., Garg, S.K. Karrikin: A seed stimulant	<i>Life Sciences Leaflets</i> 57, 86-94.	2277-4297	3	
2014	Sameer, C., Rawat, S.K., Rana, S.P., Garg, S.K. A Study on stress imposed by Fe ³⁺ and Cu ²⁺ on an aquatic macrophyte (<i>Trapa natans</i>) in presence of nitrate and phosphate under simulated net house condition	<i>International Journal of Pharma and Bio Sciences</i> 5 (1), 972 – 977.	0975-6299		
2013	Chandra, S., Rawat, S.K., Garg, S.K. , Singh, R.P. Responses of <i>Trapa natans</i> against the soaring concentrations of Nitrate and Phosphate in tropical river Gomti in Lucknow city, India	<i>Journal of Recent Advances in Applied Sciences (JRAAS)</i> 28, 78- 81.	0970-1990	3	
2013	Chandra, S.C., Rawat, S.K., Singh, R.P., Garg, S.K. Water quality monitoring: To access the temporal and monsoonal variation in pollution level of river Gomti and some ponds in vicinity of Lucknow city (India)	<i>Advances in Bioresearch</i> 3 (4), 76-83.	2277-1573		
2013	Khan, M.G., Sengar, R.S., Gautam, I.K., Maurya, J.N., Garg, S.K. Biotechnology: a novel tool to sustain agriculture productivity in saline environment	<i>Life sciences feed</i> 1, 17- 21	2319-8877		
2013	Awasthi, V., Gautam, I.K., Sengar, R.S., Garg, S.K. Influence of Putrescine on Enzymes of Ammonium Assimilation in Maize Seedling	<i>American journal of Plant Sciences.</i> 4 (2), 297-301.	2158-2742	2	
2013	Vineeta, A., Sengar, R.S., Maurya, J.N., Srivastava, A., Garg, S.K. Role and regulation of enzymes of ammonium assimilation in higher plants.	<i>Lifesciences Leaflets</i> 2 (2), 48-67.	2277-4297	22	
2013	Garg, S.K. Role and hormonal regulation of nitrate reductase activity in higher plants: A review	<i>Plant sciences feed</i> 3 (1), 13-20.	2231-1971		
2012	Garg, S.K. , Vineeta, A., Sengar, R.S. Significance of brassinosteroids in plant growth regulation.	<i>International Journal of Plant Sciences</i> 7 (2), 450- 454.	1058-5893		
2012	Sengar, R.S., Sengar, K., Garg, S.K. Biotechnology intervention for boosting sugarcane production	<i>Res J Agric sci</i> 3 (3), 593- 599	2026-6073		
2012	Ritika, M., Garg, S.K. , Sengar, R.S. Regulation of nitrate reductase activity by abscisic acid in poplar (<i>Populus deltoides</i>) leaves.	<i>Vegetos</i> 25 (2), 57-61.	0970-4078		
2012	Chandra, S., Rawat, S.K., Garg, S.K. , Singh, R.P. Nitrate, nitrite, ammonium and phosphate in various drinking and surface waters sources of Uttar Pradesh and Madhya Pradesh, India	<i>International Journal of Plant, Animal and Environmental Sciences</i> 2 (3), 237-240.	2231-4490	6	
2011	Gangwar, S., Singh, V.P., Garg, S.K. , Prasad, S.M., Maurya, J.N. Kinetin supplementation modifies chromium (VI) induced alterations in growth and ammonium assimilation in pea seedlings	<i>Biological trace element research</i> 144 (1-3), 1327- 1343.	0163-4984	7	2.450
2011	Sengar, K., Garg, S.K. , Role of tissue culture technique in high sugarcane production. A review	<i>Life Sciences</i> , 1008-1017.	2277-4297	5	
2011	Awasthi, V., Sengar, R.S., Garg, S.K. Influence of abscisic acid on enzymes of ammonium assimilation in roots and shoots of maize seedlings	<i>Research Journal of Agricultural Sciences</i> 2 (3), 623-625.	2066-1843		
2011	Sengar, K., Sengar, R.S., Garg, S.K. The effect of in-vitro environmental	<i>African Journal of Biotechnology</i> 10 (75),	1684-5315	17	

	conditions on some sugarcane varieties for micropropagation	17122-17126.			
2011	Sengar, R.S., Sengar, K., Garg, S.K. Biotechnological approaches for high sugarcane yield	<i>Plant sciences feed 1 (7)</i> , 101-111.	2231-1971	21	
2010	Gautam, M., Sengar, R.S., Chaudhary, R., Sengar, K., Garg, S.K. Possible cause of inhibition of seed germination in two rice cultivars by heavy metals Pb ²⁺ and Hg ²⁺	Toxicological and Environ Chemistry 92 (6), 1111-1119.	0277-2248	17	3.179
2010	Sengar, R.S., Gautam, M., Sengar, K., Chaudhary, R., Garg, S.K. Physiological and metabolic effect of mercury accumulation in higher plants system	<i>Toxicological & Environmental Chemistry</i> 92 (7), 1265-1281.	0277-2248	1	

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Paper	Name & Address of Publisher	Year	ISBN	DOI	Citation/Google/Web of Science
National	International							
		<i>Biotechnology to Enhance Sugarcane Productivity and stress Tolerance</i> 281-300.	Singh, A., Sengar, K., Sharma, M.K., Sengar, R.S., Garg, S.K. Proline metabolism as sensors of abiotic stress in sugarcane	R.S. Sengar & A. K. Sharma, Stadium Press India Pvt. Ltd.	2018	13: 978-1498754651	-	-
		<i>Biotechnology to Enhance sugarcane Productivity and Stress Tolerance</i> 203-264.	Sengar, K., Sengar, R.S., Garg, S.K. Prospects of biotechnological tools in boosting sugarcane production	Kalpna SengarCRC Press Taylor & Francis group	2018	-	-	-
		<i>In "Stable Food Production & Sustainability Agriculture A Challenge Ahead in 21st Century"</i>	Kalpna Sengar, Christian Follmer, Sanjay Kumar Garg , V.P.Singh, Ankush Innani, R.S. Sengar and H.B.Singh Use of plant genetic resources for Sustainable food production and nutritional security: Today's world need	R.S. Sengar CRC Press Taylor & Francis group.	2010	-	-	-

(e) Invited as Resource Lectures Person/ Examiner/Expert

Resource Person	Detail of Event	Title of Lecture	Date	Institution
-	-	-	-	-

(f) Seminars/Conferences/Workshops Organized

<ol style="list-style-type: none"> 1. International Conference on Green Technologies for Greener Environment "GTGE 2010" held at Department of chemistry, Ch. Charan Singh University, Meerut, India during January 27th – 30th, 2010. 2. National Seminar on "Management of Environmental Pollution for Sustainable Energy Production", at Department of Plant science, M.J.P. Rohilkhand University, Bareilly. 3. XXXIII All India Botanical Conference and International Symposium on New Horizons of Botany: held at Dept. of Botany, Shivaji University, Kolhapur on 10-12 Nov.2010. 4. International Conference on "Issues for Climate Change, Land Use Diversification and Biotechnological Tools for Livelihood Security (ICLDBT-2011)" held at S.V.P.U. & T., Meerut on 8 – 10 October 2011. 5. XXXIV All India Botanical Conference held at Department of Botany, Lucknow University, Lucknow
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on 10-12th Oct.2011.

6. 14th Indian Agricultural Scientists & Farmers Congress on "Diversification in Agriculture and Agripreneurship" held at SIEMAT, Allahabad under the auspicious of Bioved Research Institute of Agriculture & Technology (BRIAT), Allahabad, and U.P. on 18-19 Feb. 2012.
7. XXXVIII All India Botanical Conference held at Department of Botany, University of Rajasthan, and Jaipur on 26th -28th Oct., 2015.
8. XXXIX All India Botanical Conference held at Department of Botany, Ranchi University, Ranchi (Jharkhand) on 21st – 23rd Oct., 2016.
9. XXXXII All India Botanical conference held at Deptt. of Botany, Calicut University Calicut Kerla on 7-9 Nov 2019.

CHAired SESSION IN CONFERENCES

1. XXXIX All India Botanical Conference held at Department of Botany, Ranchi University, Ranchi (Jharkhand) on 21st – 23rd Oct., 2016.
2. XXXXII All India Botanical conference held at Deptt. of Botany, Calicut University Calicut Kerla on 7-9 Nov 2019.

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2019	Development of strategies for arsenic and other heavy metals phytoremediation.	UP Govt.	11.5 L	2019	2022
2021	To establish and cultivation of <i>Euryale ferox</i> Salisb. (Makhana) in Bareilly	Research & Development Project UP Govt.	5.0 L	2021	2023

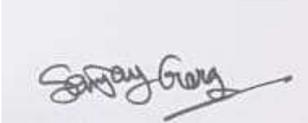
(h) Administrative Positions/ Assignments Held

Post	Organization	Duration
1. Assistant Proctor(1998-2014)		
2. Observer University Entrance Examination Committee		
3. AssistantCoordinator/CoordinatorUniversity CentralEvaluation		
4. Member, Organizing Committee of various University Sports Events, Convocations &Foundation Day.		
5. Member Academic Council.		
6. Chief Employment Bureau.		
7. Member IQAC.		
8. Head, Department of Plant Science.		

(i) Seminar/Conference Presentations

1. National Symposium on "Biosciences Advances, Impact and Relevance" held at MJPRohilkhand University Bareilly (27th -29th Oct, 2002).
2. National Symposium on "Issues And challenges For Environmental Management : Vision 2025" organized by the Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow from 17th to 19th Feb. 2006.
3. National Seminar on "New Strides in Microbiology, Biochemistry, Biotechnology & Agriculture Science" organized by Doon (PG) Paramedical College & Hospital & Doon (PG) College of Agriculture Science & Technolgy, at ONGC Community centre on 3 -4 February 2007.
4. Ist Indian Agricultural Scientists and Farmers Congress on Technological Innovations for Enhancing

<p>Agriculture Production on October 3-4, 2009 at C.C.S. University, Meerut.</p> <ol style="list-style-type: none"> 5. XXXII All India Botanical Conference and International Symposium on "diversity of Plants and Microbes: Present Seenario" at Kuvempu university, Shankaraghatta on 28th to 30th December 2009. 6. International Conference on Green Technologies for Greener Environment "GTGE 2010" held at Department of chemistry, Ch. Charan Singh University, Meerut, India during January 27th – 30th, 2010. 7. National Seminar on "Management of Environmental Pollution for Sustainable Energy Production", at Department of Plant science, M.J.P. Rohilkhand University, Bareilly. 8. XXXIII All India Botanical Conference and International Symposium on New Horizons of Botany: held at Dept. of Botany, Shivaji University, Kolhapur on 10-12 Nov.2010. 9. International Conference on "Issues for Climate Change, Land Use Diversification and Biotechnological Tools for Livelihood Security (ICLDBT-2011)" held at S.V.P.U. & T., Meerut on 8 – 10 October 2011. 10. XXXIV All India Botanical Conference held at Department of Botany, Lucknow University, Lucknow on 10-12th Oct.2011. 11. 14th Indian Agricultural Scientists & Farmers Congress on "Diversification in Agriculture and Agripreneurship" held at SIEMAT, Allahabad under the auspicious of Bioved Research Institute of Agriculture & Technology (BRIAT), Allahabad, and U.P. on 18-19 Feb. 2012. 12. XXXVIII All India Botanical Conference held at Department of Botany, University of Rajasthan, and Jaipur on 26th -28th Oct., 2015. 13. XXXIX All India Botanical Conference held at Department of Botany, Ranchi University, Ranchi (Jharkhand) on 21st – 23rd Oct., 2016. 14. XXXXII All India Botanical conference held at Deptt. Of Botany, Calicut University Calicut Kerla on 7-9 Nov 2019.
<p>(j) Membership of Academic/Professional Bodies</p> <ol style="list-style-type: none"> 1. Life member of the society of green world. 2. Life member of journal plant biochemistry and biotechnology. 3. Life member of H.S. Srivastava foundation for science and society.
<p>(k) Participation in Community Service / Exchange Programme / Consulting Activity</p> <ol style="list-style-type: none"> 1. Vice-President/Secretary, Rotary club of Bareilly Chamber.
<p>(l) International Academic Exposure</p> <p>-</p>
<p>(m) Any Other Details</p> <ol style="list-style-type: none"> 1. As a secretary published the journal "Physiology and Molecular Biology of Plants" 1996-2001. 2. Executive editor in the journal "Physiology and Molecular Biology of Plants" 2001-2002. 3. Councillor Indian botanical Society. 4. Section Editor Journal of Indian Botanical Society.



Signature of Faculty Member