




Faculty Profile on University Website

www.mjpru.ac.in

Title	Prof./Dr./Mr./Ms.	First Name	PANKAJ	Last Name	ARORA	Photograph
Designation		Associate Professor				
Department		Department of Plant Science				
Address	Campus					
	Residence	1390, Vivekanand Nagar, Ghaziabad				
Mobile No.		8630645983				
Email ID		Personal	arora484@gmail.com			
		University Domain	pkarora@mjpru.ac.in			
Professional Networking ID, i.e. LinkedIn, Twitter etc.		https://www.researchgate.net/profile/Pankaj-Arora-3				
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects			
BSc	MJP Rohilkhand University, Bareilly	2001	Botany, Chemistry			
MSc	MJP Rohilkhand University, Bareilly	2003	Plant Science			
PhD	Jawaharlal Nehru University, New Delhi	2011	Biochemical and molecular analysis of biodegradation of chlorinated nitroaromatic compounds and studies on marine microorganisms for some physiological properties			
Career Profile						
Organization / Institution	Designation	Duration	Nature of Duties			
MJP Rohilkhand University, Bareilly	Associate Professor	8 th June 2023-continue	Teaching and Research			
Babasaheb Bhimrao Ambedkar University, Lucknow	Assistant Professor	21 November 2017 to 7 th June 2023	Teaching and Research			
MJP Rohilkhand University,	Young Scientist	1 st March 2016-	Research			

Bareilly		20 th November 2017	
Yeungnam University, South Korea	Assistant Professor	1 st March 2014-28 Feb 2016	Teaching and Research
Yeungnam University, South Korea	Post Doctoral Fellow	11 th November 2013-29 th Feb 2014	Research
MJP Rohilkhand University, Bareilly and University of Hyderabad	Dr. D. S. PDF	1 st August 2012 to 10 th November 2013	Research
Research Interests / Specialization			
Microbiology			
Research Experience in Years 12 years			
No of Research Scholars Successfully Guided			
Name of Programme	Awarded	Under Supervision	
Ph.D.	02	01	
M.Phil.			
Dissertation (M.Ed./M.A.)	18		
Researcher/ Expert ID	Scopus	Orchid	Publons
	35519463500	https://orcid.org/0000-0002-4106-8859	
			Vidwan
			Google Scholar
			Pankaj Kumar Arora - Google Scholar
Teaching Experience (Subjects/Courses Taught)			
Botany			
Biotechnology			
Natural Science			
Environmental Microbiology			
Plant Science			
Honours / Awards & Fellowship FOR OUTSTANDING WORK			
Name of Award/ Fellowship	Awarded By		
	Name of Governmental	Name of Government Supported	Name of International

	Agency	Organization/ Department	Recognized Body
DBT-Ramalingaswami Re-entry Award	DBT	Babasaheb Bhimrao Ambedkar University, Lucknow	
Dr. D. S. Kothari Fellowship	UGC	MJP Rohilkhand University, Bareilly	
Dr. Y. S. Murthy Medal	Indian Botanical Society		
Young Botanist Award	Indian Botanical Society		
Top 2% Scientist (2019)		MJP Rohilkhand University, Bareilly	Stanford University
Top 2% Scientists (2020)		Babasaheb Bhimrao Ambedkar University, Lucknow	Stanford University
Top 2 % Scientists List (2021)		Babasaheb Bhimrao Ambedkar University, Lucknow	Stanford University
Editorial Board Member			Scientific Reports
Academic Editor			PLOS ONE
Associate Editor			Frontiers in Microbiology

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)		Research Papers Published in International Journals	49	Papers Presented in Seminars/ Conferences		Seminars/ Conferences Organized		Research Projects (Completed)	03
Books (Co-authored)		Research Papers Published in Other Journals		Seminar/ Conferences Attended		Workshops Organized		Research Projects (Ongoing)	
Books (Edited)	04	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences		Membership of Academic / Professional Bodies		Foreign Countries Visited for Academic Assignments	01
Chapters in Edited Books				Resource Lectures Delivered					

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
2019	Microbial Technology for the Welfare of Society.	Springer	978-981-13-8843-9	https://doi.org/10.1007/978-981-13-8844-6	63
2019	Microbial Metabolism of Xenobiotic Compounds.	Springer	978-981-13-7461-6	https://doi.org/10.1007/978-981-13-7462-3	98
2020	Microbial Technology for Health and Environment	Springer	978-981-15-2678-7	https://doi.org/10.1007/978-981-15-2679-4	38
2021	Microbial Products for Health, Environment and Agriculture	Springer	978-981-16-1946-5	https://doi.org/10.1007/978-981-16-1947-2	12
(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals					
Year	Title	Name of Journal	ISSN No	Citations	Impact Factor
2023	Industrial applications of fungal lipases: a review	Frontiers in Microbiology	1664-302X		5.2
2023	Bioengineering of Fungal endophytes through the CRISPR/Cas9 system	Frontiers in Microbiology	1664-302X	01	5.2
2022	CRISPR-Cas system: from diagnostic tool to potential antiviral treatment	Applied Microbiology and Biotechnology	1432-0614	08	5.0
2022	Biotechnological applications of manganese peroxidases for sustainable management	Frontiers in Environmental Science	2296-665X	06	4.6
2022	Successive bacterial desulfurization and regeneration of liquid fuel over Ni-doped carbon beads using a single	Fuel	0016-2361	02	7.4

	Enterococcus faecium strain isolated from an industrial wastewater				
2022	Current bioinformatics tools for biodegradation of xenobiotic compounds	Frontiers in Environmental Science	2296-665X	03	4.6
2021	Draft genome sequence data of a 4-nitrophenol- degrading bacterium, Pseudomonas allopitida strain PNP	Data in Brief	2352-3409	02	1.2
2021	Development of ESAT-6 based immunosensor for the detection of Mycobacterium tuberculosis	Frontiers in Immunology	1664-3224	05	7.3
2021	Draft genome sequence data of a chromium reducing bacterium, Bacillus licheniformis strain KNP	Data in Brief	2352-3409	03	1.2
2020	Bacilli-mediated degradation of xenobiotic compounds and heavy metals	Frontiers in Bioengineering and Biotechnology	2296-4185	53	5.7
2020	Microbial lipases and their industrial applications: a comprehensive review	Microbial Cell Factories	1475-2859	415	6.4
2020	Sequential desulfurization of thiol compounds containing liquid fuels: Adsorption over Ni-doped carbon beads followed by biodegradation using environmentally isolated Bacillus zhangzhouensis	Fuel	0016-2361	12	7.4
2018	Recent advances in degradation of chloronitrophenols	Bioresource Technology	1873-2976	52	11.4
2018	Book Review: Environmental Biotechnology: For Sustainable Future	International Journal of Science, Technology and Society	2330-7420		
2016	Diversity of 4-Chloro-2-nitrophenol-Degrading Bacteria in a Waste Water Sample	Journal of Chemistry	2090-9071	10	3.0
2016	Lipase catalysis in organic solvents: advantages and applications	Biological Procedures online	1480-9222	431	6.4
2015	Bacterial degradation of monocyclic aromatic amines	Frontiers in Microbiology	1664-302X	75	5.2
2015	New metabolic pathway for degradation of 2-nitrobenzoate by Arthrobacter sp. SPG	Frontiers in Microbiology	1664-302X	13	5.2
2015	Biodegradation of 4-chloroindole by Exiguobacterium sp. PMA	Journal of Hazardous Materials	0304-3894	15	13.6
2015	Identification of new members of the MAPK gene family in	BMC Genomics	1471-2164	106	4.4

	plants shows diverse conserved domains and novel activation loop variants				
2015	Microbial degradation of indole and its derivatives	Journal of Chemistry	2090-9071	64	3.0
2015	Expression of coat protein gene of Cucumber mosaic virus (CMV-subgroup IA) Gladiolus isolate in Nicotiana tabacum	Journal of Plant Interactions	1742-9153	08	3.2
2015	Biotransformation of indole to 3-methylindole by Lysinibacillus xylanilyticus strain MA	Journal of Chemistry	2090-9071	11	3.0
2015	Chemotaxis Away from 4-Chloro-2-nitrophenol, 4-Nitrophenol, and 2,6-Dichloro-4-nitrophenol by Bacillus subtilis PA-2	Journal of Chemistry	2090-9071	07	3.0
2014	Toxicity and Microbial Degradation of Nitrobenzene, Monchloronitrobenzenes, Polynitrobenzenes, and Pentachloronitrobenzene	Journal of Chemistry	2090-9071	32	3.0
2014	Identification of new metabolites of bacterial transformation of indole by Gas Chromatography-Mass Spectrometry (GC-MS) and High Performance Liquid Chromatography (HPLC)	International Journal of Analytical Chemistry	1687-8760	22	1.8
2014	Metabolic pathway for degradation of 2-chloro-4-aminophenol by Arthrobacter sp. SPG	Microbial cell factories	1475-2859	12	6.4
2014	Role of Dehalogenases in Aerobic Bacterial Degradation of Chlorinated Aromatic Compounds	Journal of Chemistry	2090-9071	25	3.0
2014	Biotransformation and chemotaxis of 4-chloro-2-nitrophenol by Pseudomonas sp. JHN	Microbial cell factories	1475-2859	22	6.4
2014	Integration of bioinformatics to biodegradation	Biological Procedures Online	1480-9222	55	6.4
2014	Degradation of 4-chloro-3-nitrophenol via a novel intermediate, 4-chlororesorcinol by Pseudomonas sp. JHN	Scientific Reports	2045-2322	29	4.6
2014	Bacterial degradation of chlorophenols and their derivatives	Microbial cell factories	1475-2859	240	6.4
2014	Bacterial degradation of	Journal of	0304-	201	13.6

	nitrophenols and their derivatives	Hazardous Materials	3894		
2014	Novel degradation pathway of 4-chloro-2-aminophenol via 4-chlorocatechol in Burkholderia sp. RKJ 800	Environmental Science and Pollution Research	0944-1344	20	5.8
2013	Staphylococcus lipolyticus sp. nov., a new cold-adapted lipase producing marine species	Annals of Microbiology	1869-2044	30	3.0
2013	Arthrobacter nitrophenolicus sp. nov. a new 2-chloro-4-nitrophenol degrading bacterium isolated from contaminated soil	3 Biotech	2190-572X	21	2.8
2012	Decolourization of 4-Chloro-2-Nitrophenol by a Soil Bacterium, Bacillus subtilis RKJ 700	PLOS ONE	1932-6203	34	3.7
2012	Metabolism of 4-chloro-2-nitrophenol in a Gram-positive bacterium, Exiguobacterium sp. PMA	Microbial cell factories	1475-2859	33	6.4
2012	Biotransformation of 4-chloro-2-nitrophenol into 5-chloro-2-methylbenzoxazole by a marine Bacillus sp. strain MW-1	Biodegradation	0923-9820	34	3.6
2012	Degradation of chlorinated nitroaromatic compounds	Applied microbiology and biotechnology	1432-0614	148	5.0
2012	Metabolism of para-nitrophenol in Arthrobacter sp. SPG	E3 Journal of Environmental Research and Management	: 2141-7466	15	
2012	Metabolism of 2-Chloro-4-Nitrophenol in a Gram negative bacterium, Burkholderia sp. RKJ 800	PLoS One	1932-6203	58	3.7
2012	Evaluation of potential of molecular and physical techniques in studying biodeterioration	Reviews in Environmental Science and Biotechnology	1569-1705	72	14.4
2011	Pathway for Degradation of 2-Chloro-4-Nitrophenol in Arthrobacter sp. SJCon	Current microbiology	0343-8651	34	2.6
2011	Reductive dehalogenation mediated initiation of aerobic degradation of 2-chloro-4-nitrophenol (2C4NP) by Burkholderia sp. strain SJ98	Applied microbiology and biotechnology	1432-0614	47	5.0
2011	Chryseomicrobium imtechense gen. nov., sp. nov., a new member of the family	International journal of systematic and	1466-5026	37	2.4

	Planococcaceae	evolutionary microbiology			
2010	Tools of bioinformatics in biodegradation	Reviews in Environmental Science and Bio/Technology	1569-1705	13	14.4
2010	Application of monooxygenases in dehalogenation, desulphurization, denitrification and hydroxylation of aromatic compounds	Journal of Bioremediation & Biodegradation	2155-6199	109	
2009	OxDBase: a database of oxygenases involved in biodegradation	BMC Research notes	1756-0500	120	1.8

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/web of science
National	International							

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

Resource person	Detail of Event	Title of Lecture	Date	Institution

(f) Seminars/Conferences/Workshops Organized

--

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

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2018	Development of bioremediation technologies for bioremediation of heavy metals and studies of bacterial diversity for industrial usage	DBT	10003000	2018	2023
2018	Metabolite profiling of degradation of chlorinated nitroaromatic compounds	UGC	1000000	2018	2020
2016	Biodegradation of chlorinated nitroaromatic compounds (CNCs) and Study of microbial	SERB	3300000	2016	2017

	diversity of a chemical contaminated site				
(h) Administrative Positions/Assignments Held					
Post	Organization	Duration			
		From		To	
(i) Seminar/Conference Presentations					
(j) Memberships of Academic/Professional Bodies					
<ul style="list-style-type: none"> • Indian Botanical Society • Society for environmental Sustainability 					
(k) <u>Participation in Community Service / Exchange Programme / Consulting Activity</u>					
(l) International Academic Exposure					
(m) Any Other Details					

Signature of Faculty Member