


Dr. Pawan Kumar Kanaujia

Title	Dr	First Name	Pawan Kumar	Last Name	Kanaujia	
Designation		Assistant Professor				
School/Dept.Name		Biotechnology				
Address:		785-E, VishnupuramBasharatpur, Gorakhpur. 273004 Uttar Pradesh				
PhoneNo.	Office					
	Residence	(optional)				
	Mobile	(optional)+91-9910633756				
Email	1.dr.pawan.kanaujia@mgu.g.ac.in		2.pkkanaujia@gmail.com			
WebPage(ifany)	https://scholar.google.com/citations?user=rWdmgu4AAAAJ&hl=en https://publons.com/researcher/3038005/dr-pawan-kumar-kanaujia/ https://orcid.org/0000-0001-7710-5343 https://www.researchgate.net/profile/Pawan-Kanaujia-2 https://loop.frontiersin.org/people/258879/overview					
SubjectsTaught	Molecular Biology, Biochemistry, Microbiology & Immunology, Cell Biology					
AreasofInterest/Specialization	Microbial Molecular Biology/ Microbial Pathogenicity					
Experience(inyears)	Total	8				
	Industry	Not Applicable				
	Teaching	6				
	Research	2				
EducationalQualifications	UG	B.Sc.				
	PG	M.Sc. in Biotechnology				
	Doctorate	Ph.D.				
	Anyother	GATE Qualified				
ResearchPublications inJournals (last5years)	DetailsshouldbeprovidedinAPA/IEEE format 1. Bajaj P, Kanaujia PK , Singh NS, Sharma S, Kumar S, Viridi JS (2016). Quinolone co-resistance in ESBL- or AmpC-producing <i>Escherichia coli</i> from an Indian urban aquatic environment and their public health implications. Environmental					

Science and Pollution Research DOI 10.1007/s11356-015-5609-x (*Impact Factor- 4.223*).

2. **Kanaujia PK**, BajajP, KumarS, Singhal N, ViridiJS (**2015**). Proteomic analysis of *Yersinia enterocolitica* biovar 1A under iron-rich and iron-poor conditions indicate existence of efficiently regulated mechanisms of iron homeostasis. **Journal of Proteomics** 124:39-49. (*Impact Factor- 4.04*).
3. **Kanaujia PK**, Bajaj P, Viridi JS (**2015**). Analysis of iron acquisition and storage related genes in clinical and non-clinical strains of *Yersinia enterocolitica* biovar 1A. **APMIS** 123(10):858-866. (*Impact Factor- 3.26*).
4. Singhal N, Kumar M, **Kanaujia PK**, Viridi JS (**2015**). MALDI-TOF mass spectrometry: An emerging technology for microbial identification and diagnosis. **Frontiers in Microbiology** doi: 10.3389/fmicb.2015.00791. (*Impact Factor- 6.06*).
5. Bajaj P, Singh NS, **Kanaujia PK**, Viridi JS (**2015**). Distribution and molecular characterization of genes encoding CTX-M and AmpC β -lactamases in *Escherichia coli* isolated from an Indian urban aquatic environment. **Science of the Total Environment** 505:350–356. (*Impact Factor- 7.963*).
6. Saraswati S, **Kanaujia PK**, Kumar S, Kumar R, Alhaider AA (**2013**). Tylophorine, a phenanthraindolizidine alkaloid isolated from *Tylophora indica* exerts antiangiogenic and antitumor activity by targeting vascular endothelial growth factor receptor 2-mediated angiogenesis. **Molecular Cancer** 12:82. (*Impact Factor- 41.44*).
7. Shrivastav TG, **Kanaujia PK** (**2007**). Direct radioimmunoassay for the measurement of serum testosterone using 3H as label. **J Immunoassay Immunochem** 28(2):127-36. (*Impact Factor- 1.27*).
8. Shrivastav TG, **Kanaujia PK**, Kumar R (**2007**). Direct radioimmunoassay for the measurement of serum progesterone using 3H as a label. **J Immunoassay Immunochem** 28(2):137-46. (*Impact Factor- 1.27*).

PapersPublishedinConfere nceProceedings(last5years)	<ol style="list-style-type: none"> 1. Saraswati S, Kanaujia PK, Agrawal SS. (2013). OP-03 α-Santalol demonstrates antitumor and antiangiogenic activities in models of hepatocellular carcinoma in vitro and in vivo. Digestive and Liver Disease. 45(3): S249–S250; DOI: 10.1016/S1590-8658(13)60667-2; journal ISSN: 1590-8658 (Abstracts of the 3rd Interdisciplinary Treatment of Liver Tumors 2013, Essen Germany). (<i>Impact Factor-4.088</i>). 2. Pawan Kumar Kanaujia, Priyanka Bajaj, Shakti Kumar, Anupama Ojha, Jugsharan Singh Viridi (2023). Sequence and structure analysis of bacterioferritin and bacterioferritin-associated ferredoxin of <i>Yersinia enterocolitica</i>. National Conference of Advances and Opportunities in Drug Discovery from Natural Products (BioNatureCon 2023, 15-17 December). Mahayogi Gorakhnath University Gorakhpur (in association with Translational Biomedical Research Society, India). 			
BooksAuthored/BookVolu meChapters	<ol style="list-style-type: none"> 1. Mishra S, Hora S, Mishra R, KanaujiaPK (2022). Bioremediation-Based Microorganisms to Break Down Pollutants Decelerate Due to Climate Change. Plant Stress Mitigators: Action and Application 125-143. https://link.springer.com/chapter/10.1007/978-981-16-7759-5_7 			
No.ofConferences	National	Attended		Organized
		8		2
	International	6		-
ResearchGuidance	Awarded	PG	M.Phil	Doctorate
	Undergoing			
ResearchProjects	Completed	1		
	Undergoing	-		
Awards&Distinctions	<ul style="list-style-type: none"> ➤ young scientist award in 2023 “National Conference of Advances and Opportunities in Drug Discovery from Natural Products” (BioNatureCon 2023, 15-17 December). Mahayogi Gorakhnath University Gorakhpur (in association with Translational Biomedical Research Society, India). ➤ Travel Grant sanctioned in 2015by Research council, Delhi University for attending International Conference “25th ECCMID, Copenhagen, Denmark. ➤ 2nd prize for best poster presentation, Abstract No. MHAP-60. Microbes in Health and Agriculture. SLS, Jawaharlal Nehru University, New Delhi, India. ➤ Rajiv Gandhi National Fellowship (RGNF), University Grant 			

	<p>Commission (UGC), India.</p> <ul style="list-style-type: none"> ➤ Indian Council of Medical Research (ICMR) fellowships (Project JRF), India. ➤ GATE (Graduate Aptitude Test in Engineering) 2007, India.
Administrative Assignments Handled	<ul style="list-style-type: none"> ➤ Member in University Proctorial Board ➤ Member Board of Studies (BOS)-Department of Biotechnology, FoAHS. ➤ Member Departmental Research Committee (DRC)-Department of Biotechnology, FoAHS. ➤ University Coordinator, Shodh Shuddhi Program-INFLIBNET Center Provided Drillbit- Extreme ‘Plagiarism Detection Software’. ➤ MGUG-IT Cell Incharge- Faculty of Allied Health Sciences
Association with Professional Bodies	<ul style="list-style-type: none"> ➤ The Association of Microbiologists of India (AMI), Life Membership No: 3230-2013 ➤ American Society for Microbiology (ASM), 2013-18, Member ID: 100010154 ➤ European Society of Clinical Microbiology and Infectious Diseases (ESCMID), 2014-18, Member ID: 119888
Any other Achievements	<p><u>PEER REVIEWER (International and National scientific journals):</u></p> <ul style="list-style-type: none"> ➤ Frontiers in Microbiology, Infectious Agents and Disease (Frontiers Media SA, Switzerland) https://loop.frontiersin.org/people/258879/overview ➤ International Journal of Infectious Diseases (published by Elsevier for the International Society for Infectious Diseases). https://www.ijidonline.com/ ➤ Biology Methods & Protocols (Oxford Academic) https://academic.oup.com/biomethods <p><u>EDITORIAL BOARD MEMBER:</u></p> <ul style="list-style-type: none"> ➤ Editorial board member of Advanced Chemicobiology Research (ACBR) Universal Wiser Publisher, Woods Square, Singapore-737715. https://ojs.wiserpub.com/index.php/ACBR/about/editorialTeam <p><u>RESEARCH ASSOCIATE (15/07/2016 to 14/07/2018):</u></p>

- Worked as Research Associate by Indian Council of Medical Research funded project entitled “**Molecular characterization of bacterioferritin (Bfr) from *Yersinia enterocolitica* isolated from India: Identification of target sites for inhibition of iron homeostasis**” under the supervision of “**Prof. J S Viridi**” at the Department of Microbiology, University of Delhi South Campus, New Delhi (India).

DISSERTATION/TRAINING:

- Six months dissertation entitled “**Development of ELISA for Dihydrotestosterone**” Under the supervision of Prof. T. G. Shrivastava, Department of Reproductive Biomedicine, NIHF, New Delhi, India.
- Two months summer training at **Genetic and Molecular Diagnostic Lab**, Division of Laboratory Animals, CDRI, Lucknow, India.

GENE BANK SUBMISSIONS:

- **33 genes related to iron acquisition and storage of *Y. enterocolitica* - submitted to NCBI GenBank under the following accession numbers:**
- *ybtU* (KF177279), *foxA* (KF145160), *fhuC* (KF188205), *fhuD* (KF511961), *fhuB* (KF188204), *hemP* (KF661393), *hemR* (KF157914), *hemS*(KF145161),*hemT*(KF145162), *hemU* (KF145163), *hemV* (KF147581), *hmsH* (KF157912), *hmsF* (KF157913), *hmsR* (KF157914), *hmsS* (KF157915), *hmsT* (KF188203), *fepB* (KF147584),*fepD* (KF668453), *fepG* (KF511960), *fepC* (KF188206), *fes* (KF661394), *fepA* (KF571723), *fur* (KF188202), *ftnA*(KM264365), *hasA*(KF147582), *bfr* (KF571724, MF277139, MF277140, MF277141), *bfd* (KJ194600), *feoA* (KJ541888), *feoB* (KF530045), *yfuA*(KF530046), *yfuB* (KF530047), *yfuC*(KF530048), *yfuD* (KF530049).

TEACHING/ RESEARCH EXPERIENCE:

January 2021 to September 2022: worked as an Assistant Professor in the Department of Biotechnology, HIMT Group of Institutions, Greater Noida.

October 2021- December 2021:Working as project lead atAptaBharat Innovation Pvt.Ltd incubated at BSC BioNEST Bio-Incubator (BBB)**with Dr. Tarun Kumar Sharma, Senior Research Scientist, Translational Health Science and Technology Institute (THSTI), NCR Biotech Cluster, Faridabad-121001**

July 2019 to October 2021: worked as an Assistant Professor in the Department of Biotechnology, HIMT Group of Institutions, Greater Noida.

	<p><u>July 2018 to April 2019:</u>Worked as an Assistant Professor (Guest Faculty) in the Department of Microbiology, Institute of Home Economics , University of Delhi</p>
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Jan 2016 to April 2016:Worked as an **Assistant Professor (Ad hoc) from** in the Department of Microbiology, Bhaskaracharya College of Applied Sciences, University of Delhi.