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UAN: 081- 111-717-111



Name	Maqsood Ahmad			
Designation	Assistant Professor			
Department	Environmental Science			
Faculty	Life Sciences & Informatics			
ORCID ID	0000-0003-2531-3989			
E-mail address	Official	maqsood.ahmed@buitms.edu.pk		
Telephone Number	Office Extension	+92(0)81-111-717-111 Ext. 870 Cell: +92-3004244771		
Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2016	Ph.D.	GCU Lahore	Environmental Science	
2008	M.Phil.	GCU Lahore	Environmental Science	
2004	M.Sc.	University of the Punjab	Environmental Science	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Evolution of Solid Waste Management System in Lahore: A Step towards Sustainability of the Sector in Pakistan.	Applied Sciences	International	2023
2	Metabolites in Conocarpus erectus leaves attenuate α -amylase activity by modulating amino acid residues of α -amylase: an in vitro and docking study	Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas,	International	2022

3	The SARS-CoV-2 differential genomic adaptation in response to varying UVindex reveals potential genomic resources for better COVID-19 diagnosis and prevention	Frontiers in microbiology	International	2022
4	Biodegradation of chlorpyrifos using isolates from contaminated agricultural soil, its kinetic studies.	Scientific reports	International	2021
5	Polyphenol fingerprinting and hypoglycemic attributes of optimized <i>Cycas circinalis</i> leaf extracts.	Journal of the Science of Food and Agriculture	International	2021
6	In vitro pharmacological attributes and metabolite's fingerprinting of <i>Conocarpus lancifolius</i>	Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas	International	2021
7	Hydroethanolic leaf extract of <i>Parthenium hysterophorus</i> attenuates blood glucose in alloxan induced diabetic mice	Food Research	International	2021
8	Fe-Chelating Activity of Engl. Leaf Extracts and H-NMR Based Metabolite's classification	Acta Scientifica Naturalis	International	2020
9	Structural characterization of 12s seed cruciferin from <i>eruca sativa</i> in solution applying small-angle x-ray scattering.	Pakistan Journal of Botany.	National	2019
10	Restoration of pesticide contaminated agricultural soil through bio-augmentation and its kinetics.	Pakistan Journal of Agricultural Sciences	National	2017
11	Enhanced biodegradation of chlorpyrifos by agricultural soil isolate.	Asian Journal of Chemistry	International	2014
12	Urban wastewater as hotspot for antibiotic and antibiotic resistant bacteria spread into the aquatic environment.	Asian Journal of Chemistry	International	2014

13	A Comparative Study on the Treatment of Industrial and Mixed Effluent by Algae.	Pakistan Journal of Science	National	2014
14	Assessment of Antibiotics and Antibiotic Resistant Bacteria in Hospital and Municipal Wastewaters.	Journal Of Pure And Applied Microbiology	International	2014
15	Chlorpyrifos Biodegradation in Laboratory Soil Through Bio-Augmentation and Its Kinetics.	Asian Journal of Chemistry	International	2013
16	A study on the production of biodiesel from used frying oil.	Pakistan Journal of Scientific & Industrial Research Series	National	2013
17	Role of untreated waste water in spread of antibiotics and antibiotic resistant bacteria in river.	Pakistan journal of Science	National	2013
18	Biodiesel production from residual animal fat using various catalyts.	Pakistan Journal of Science	National	2012
19	Exploring the hidden threat of gaseous pollutants using rice (<i>Oryza sativa</i> L.) plants in Pakistan.	Pakistan Journal of Botany	National	2011
20	Ecophysiological responses of rice (<i>Oryza sativa</i> L.) to hexavalent chromium.	Pakistan Journal of Botany	National	2011

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date/Place
1	Investigation of plant based activated carbon efficiency for Cr(VI) removal from wastewater.	4th International and 13th national conference of Botany	International	2014

2	eco-toxicological effect of four commonly used antibiotics on germination of wheat (<i>triticum aestivum</i> L.).	4 th International and 13 th national conference of Botany, pp 25.	International	2014
3	Production of Alginate By <i>Azotobacter VinelandII</i> EMS-45 in a stirred Fermentor.	4 th International and 13 th national conference of Botany.	International	2014
Book Chapter				
1	Cotton Production and Uses,. ISBN 978-981-15-1472-2 (eBook). Springer https://doi.org/10.1007/978-981-15-1472-2			

Work Experience				
S. No	From	To	Name of the Institution/ Organization	Position held
1	2010	2017	Environmental Protection Agency Punjab, Pakistan	Deputy Director (Lab)
2	2017	2018	BZU, Multan, Pakistan	Assistant Professor (IPFP)
3	2019	To date	BUIITEMS, Quetta, Pakistan	Assistant Professor
Area of Research Interest			<ul style="list-style-type: none"> • Environmental Monitoring (Industrial monitoring (Stack PM and gaseous emissions) Ambient air monitoring (gaseous and PM emissions)) • Wastewater treatment (biological treatment of organic pollutants) • Bioremediation • Eco-toxicology 	
Expertise			<ul style="list-style-type: none"> • Environmental and industrial sampling • Extractions of trace level pollutants • Whole genome analyses • Analysis by using HPLC, GC-MS, Atomic Absorption, SEM, XRD. <p>PM sampling</p> <ul style="list-style-type: none"> • High volume sampler and • Apax Isokinetic stack sampler 	
HEC Approved supervisor			Yes	
If Yes, provide HEC URL			https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx	