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Picture

Name		Dr. Imrana Niaz Sultan		
Designation		Assistant Professor		
Department		Biotechnology		
Faculty		Life Sciences & Informatics		
E-mail address		Official	Imrana.niaz@buitms.edu.pk	
		Personal	imrafra@gmail.com	
Telephone Number		Office	+92(0)81-111-717-111 (624)	
		Extension		
Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	Post Doctorate			
2020	PhD	Department of Biotechnology, Faculty of Agro-Industry, Kasetsart University, Bangkok, Thailand	Biotechnology	
	MS/ Mphil	Department of Biotechnology, Faculty of Life Sciences and Informatics, BUITEMS, Quetta	Biotechnology and Informatics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Growth and lipid production of <i>Ankistrodesmus</i> sp. IFRPD 1061 under mixotrophic culture condition: Effect of sodium acetate concentration and period addition in an open pond	<i>Energy Ecol. Environ</i>	International (IF: 4.4)	2023
2	Phenotypic analysis, molecular characterization and antibiogram of caries causing bacteria isolated from dental patients	<i>Microorganisms</i>	International (IF: 4.5)	2023
3	Comparison of marine and rushton impeller in high solid loading of two-step pretreated oil palm trunk using simultaneous saccharification and fermentation for ethanol production	<i>Results in Engineering</i>	International (IF: 5)	2023
4	β -glucosidase production by recombinant <i>Pichia pastoris</i> strain Y1433 under optimal feed profiles of fed-batch cultivation	<i>Folia Microbiologica</i>	International (IF: 2.6)	2023

5	Screening of high lipid content and productivity of microalgae under photoautotrophic cultivation for biodiesel production	<i>Environ. Prog. Sustain. Energy</i>	International (IF: 2.8)	2023
6	Genomic and comparative clinico-pathological assessment of two Pakistani pigeon-derived newcastle disease virus sub-genotypes XXI.1.1 and XXI.1.2 isolated in 2017	<i>Comp. Immunol. Microbiol. Infect. Dis.</i>	International (IF: 2)	2023
7	Assessment of Heavy Metals in Milk Samples of Cattles and Buffalos from District Quetta	<i>Pakistan J. Zool.</i>	National (IF: 0.68)	2023
8	Ethanol Production through Optimized Alkaline Pretreated <i>Elaeis guineensis</i> Frond Waste from Krabi Province, Thailand	<i>Fermentation</i>	International (IF: 5.1)	2022
9	Evaluating the Diagnostic Accuracy of GeneXpert MTB/RIF Assay for the Diagnosis of Tuberculosis	<i>Pakistan J. Zool.</i>	National (IF: 0.68)	2022
10	Phytochemical effectiveness of some ethnomedicinal plants of Balochistan, Pakistan against urogenital infections	<i>Int. J. Agric. Technol.</i>	International (IF: 0.54)	2022
11	Bioethanol Production from Oil Palm Trunk Fibers Using Activated Immobilized <i>Saccharomyces cerevisiae</i> SC90 Under Simultaneous Saccharification and Fermentation.	<i>Bioenergy Res.</i>	International (IF: 4.4)	2022
12	Detection of Two Missense Substitutions in Gene EPM2B in Patients of Myoclonic Epilepsy from Balochistan	<i>Pakistan J. Zool.</i>	National (IF: 0.68)	2022
13	Kinetic study of ethanol production from different sizes of two-step pretreated oil palm trunk by fed-batch simultaneous saccharification and fermentation.	<i>Agr. Nat. Resour.</i>	International (IF: 1.6)	2022
14	Development of low-cost medium for ethanol production by using glutamic acid mother liquor	<i>Bioresour. Technol. Rep.</i>	International (IF: 4.82)	2022
15	A comprehensive approach to utilize hydrogen peroxide sterilization and urea as nitrogen source for ethanol production from oil palm trunk.	<i>Agr. Nat. Resour.</i>	International (IF: 1.6)	2022
16	Two-step pretreatment of oil palm trunk for ethanol production by thermotolerant <i>saccharomyces cerevisiae</i> SC90.	<i>Bioresour. Technol</i>	International (IF: 9.66)	2021
17	Cellulase addition and pre-hydrolysis effect of high solid fed-batch	<i>ACS Omega</i>	International (IF: 3.91)	2021

	simultaneous saccharification and ethanol fermentation from combined pretreated oil palm trunk.			
18	Utilization of urea as a nitrogen source for ethanol production from oil palm trunk using simultaneous saccharification and fermentation.	<i>Agr. Nat. Resour.</i>	International (IF: 1.6)	2021
19	Heterologous Cellulase Genes Expression and Post-Translational Modifications Analysis of Recombinant <i>Saccharomyces cerevisiae</i> .	<i>IJET</i>	International (IF: 0.3)	2020
20	Formulation of an Efficient Combinatorial Cellulase Cocktail by Comparative Analysis of Gibson Assembly and NEBuilder HiFi DNA Assembly Modus Operandi.	<i>IJET</i>	International (IF: 0.3)	2020
21	Exploration of the Phytochemicals, Antimicrobial and Antioxidant Activities of <i>Plantago ovata</i> (ispaghol)	<i>IAJPS</i>	International	2020
22	Prevalence of g6pd Deficiency in Newborns of Local Community of Quetta, Pakistan.	<i>WJPRM</i>	International	2019
23	Ethics in Public Health Research and Clinical Research	<i>BJBio</i>	International	2016
24	Detection of heavy metals (Pb, Sb, Al, As) through atomic absorption spectroscopy from drinking water of District Pishin, Balochistan, Pakistan.	<i>Int. j. curr. microbiol</i>	International	2014
25	Determination of heavy metals found in different sizes of tube wells of District Pishin, Balochistan, Pakistan.	<i>Asian J. Inf. Technol.</i>	International	2013

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Bioactivity Screening of Selected Ethno medicinal Plants of Balochistan, Pakistan	7 th International Annual Research Symposium 2018 (I-KUSTARS)	International Kasetsart University	22-24 August, 2018
2	Alkaline Hydrogen Peroxide treatment of Oil Palm Trunk in Biorefinery Process	The 13 th Asian Congress on Biotechnology Bioinnovation and Bioeconomy	International Khon Kaen, Thailand	23-27 July, 2017
3	Screening of high-lipid content microalgae for biodiesel production	Thai society of biotechnology and International Conference	International Mae Fah Lunag University, Chiang mai,	26-29 November, 2014

			Thailand	
4	Influence of particle size of pretreatment oil palm trunk fibers from simultaneous saccharification and fermentation on ethanol production	Thai society of biotechnology and International Conference	International Mae Fah Lunag University, Chiang mai, Thailand	26-29 November, 2014
5	Determination of Arsenic and Chromium in Different Sizes of Tube Wells of District Pishin Balochistan, Pakistan	11 th International and 23 rd National Chemistry Conference	International KPK Pakistan	15-17, October 2012
6	In-vitro Phytochemical Analysis of Some Ethno medicinal Plants of Balochistan, Pakistan	11 th International and 23 rd National Chemistry Conference	International KPK Pakistan	15-17, October 2012
Books Authored/ Edited				
S. No	Name of book		Publisher	ISBN
Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
01	Dec 2012	Till date	BUIITEMS	Assistant Professor
02	Oct 2007	Dec 2012	BUIITEMS	Lecturer
03	Sep 2006	Sep 2007	BUIITEMS	Research Associate
Area of specialization			<ul style="list-style-type: none"> • Genetic Engineering • Biochemical Engineering • Biotechnology 	
Research Interest			<ul style="list-style-type: none"> • Genetic Engineering • Food Biotechnology • Biofuels • Renewable Energy Resources • Health Sciences 	
Future Research Plans				
HEC Approved supervisor			Yes	
If Yes, provide HEC URL			https://hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx (Application ID: 90180)	
Research grants/ Projects				
Additional Information				

Research gate: <https://www.researchgate.net/profile/Imrana-Afrasiab-2>

Google Scholar: https://scholar.google.com.pk/citations?user=UM_cmG4AAAAJ&hl=en

Scopus Preview: <https://www.scopus.com/authid/detail.uri?authorId=57219653198>