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Name		Dr. Asma Abro		
Designation		Assistant Professor		
Department		Biotechnology		
Faculty		Faculty of Life Sciences and Informatics		
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Telephone Number		Office Extension	081-111-717-111 (674)	
		Mobile		
Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	Post Doctorate			
2016	PhD	Quaid-i-Azam University	Bioinformatics	
2012	MS/ Mphil	International Islamic University	Bioinformatics	
2009	Graduation	International Islamic University	Bioinformatics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1.	Towards novel inhibitors against KdsB: A highly specific and selective broad-spectrum bacterial enzyme.	Journal of Biomolecular Structure and Dynamics	International	2018
2.	Role of zinc and magnesium ions in the modulation of phosphoryl transfer in protein tyrosine phosphatase 1B.	Journal of American Chemical Society	International	2018
3.	Molecular dynamics simulation studies of novel β -lactamase inhibitor.	Journal of Molecular Graphics and Modeling	International	2017
4.	Binding free energy based analysis of Arsenic (+3 Oxidation State) Methyltransferase with S-adenosylmethionine.	Journal of Molecular Liquids	International	2016
5.	Binding pattern analysis and structural insight into the inhibition mechanism of Sterol 24-C methyltransferase by docking	Journal of Biomolecular Structure	International	2015

	and molecular dynamics approach.	and Dynamics		
6.	Comparative modeling and virtual screening for the identification of novel inhibitors for myo-inositol-1-phosphate synthase.	Molecular Biology Reports	International	2014
7.	Structure and dynamics studies of sterol 24-C-methyltransferase with mechanism based inactivators for the disruption of ergosterol biosynthesis.	Molecular Biology Reports	International	2014
8.	Identification of unique binding site and molecular docking studies for structurally diverse Bcl-xL inhibitors.	Medicinal Chemistry Research	International	2012
9.	Pharmacophore model generation for microtubule-stabilizing anti-mitotic agents (MSAAs) against ovarian cancer.	Medicinal Chemistry Research	International	2012
Paper Presented				
S. No	Title of Paper	Name of Conference	National/ International	Date
1.	Binding mode analysis of Sterol 24-C methyltransferase by docking and molecular dynamics simulation.	247 th ACS meeting and exposition at Texas, USA	International	16 th – 20 th March, 2014
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
1.	2018	Present	BUIEMS	Assistant Professor
2.	2017	2018	BUIEMS	Assistant Professor (IPFP)
3.	2016	2017	IIUI	Assistant Professor (visiting)
4.	2012	2012	QAU	Research Assistant
Area of specialization			Molecular modeling and molecular dynamics simulation	
Expertise			Bioinformatics	
HEC Approved supervisor			Yes	

If Yes, provide HEC URL	http://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/eportal-APS.aspx
Research grants/ Projects	HEC start-up research grant project
Additional Information	