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Name		Dr. Farooq Khan		
Designation		Assistant Professor		
Department		Physics		
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		Research Gate ID:		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	Post Doctorate			
2015	PhD	Dalian University of Technology P. R. China	Theoretical Physics	
2010	MPhil	University of The Punjab Lahore	Theoretical Physics	
2006	Graduation	University Of Malakand	Physics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Instantaneous dark state and trajectory tracking	International Journal of Quantum Information	International	2013
2	Single photon reflection and transmission in optomechanical system	International Journal of Quantum Information	International	2013
3	Interferences in photo-detached electron spectra from a non-collinear tri-atomic anion	Chin. Phys. B	International	2014
4	Reflectivity and transmissivity of a cavity coupled to a nanoparticle	International Journal of Quantum Information	International	2014

5	Photo-Detachment of a Non-collinear Triatomic Anion	Braz J Phys	International	2014
6	Dynamics and transmission of single twolevel atom in an optomechanical system	Eur. Phys. J. Plus	International	2014
7	Dynamics and transmissivity of optomechanical system in squeezed environment	International Journal of Modern Physics B,	International	2015
8	Optomechanical induced transparency under the influence of spin ensemble systems	Optik - International Journal for Light and Electron Optic	International	2019
9	A framework for head pose estimation and face segmentation through conditional random fields	Signal, Image and Video Processing	International	2019
10	Transmissivity of optomechanical system containing a two-level system	International Journal of Modern Physics B	International	2019
11	Control over spectral hole burning via spontaneously generated coherence and Kerr non-linearity	Optik - International Journal for Light and Electron Optic	International	2020
12	Slow light effect in hybrid optomechanical system	Int J Quantum Chem.	International	2021
13	Controllable fast light in quantum dot molecules assisted hybrid optomechanical system	Int J Quantum Chem	International	2022
14	Interference in photo-detachment of triatomic negative ion near a hard reflecting surface	Int J Quantum Chem	International	2022
15	Optical response of position dependent hybridoptomechanical system	Int J Quantum Chem	International	2023

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Photo-detached electron spectra from a non-linear tri-atomic system.	Material research in Pakistan.	National	2010

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	2007	2008	Government Degree College Kabal Swat	Lecturer
2	2010	2012	Hira College Kabal Swat	Lecturer
3	July 2016	July 2017	Department of Physics, UPR AJK Pakistan	Assistant Professor
4	2017	Date	Department of Physics, BUITEMS Quetta Pakistan	Assistant Professor
Area of specialization		Theoretical physics		
Research Interest		Quantum Opto-mechanics Cavity Optomagnonics Quantum Mechanics Quantum Optics and Quantum Information Photonics and Optical sensing Condense Matter Physics		
Future Research Plans		Center for Quantum Sciences		
HEC Approved supervisor		yes		
If Yes, provide HEC URL (HEC approved supervisor ID)		Ref. HEC/HRD/ASA/2019/31879		
Research grants/ Projects		Startup research Project (0.5 Million PKRs). PI BUITEMS ORIC Project (0.2 Million PKRs). Co-PI		
Additional Information				