

Muhammad Shakeel Anwar



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	Email:	Shakeelanwar@uosahawal.edu.pk
	D.O.B.	<i>4 NOV 1990</i>
	Marital Status:	<i>Single</i>

Professional Objective	To work in a creative and innovative environment and acquire a challenging position in a reputable, growth oriented organization, which provides constant personal development.																												
Academic Qualification	Degree	Year	Division /CGPA	Board/ University																									
	M.phil Applied Physics	2015-2017	3.42/4.00	UET Lahore																									
	M.Sc Applied Physics	2014	3.49/4.00	UET Lahore																									
	B.Sc (Phy-Computer)	2012	1st	I.U.B Bahawalpur																									
	F.sc(Pre-Engineering)	2010	1st	B.I.S.E Bahawalpur																									
	Matriculation	2007	1st	B.I.S.E Bahawalpur																									
Major Courses	<ul style="list-style-type: none"> M.Sc Courses: <table border="0"> <tr> <td>Classical Mechanics</td> <td>Health and Medical Physics</td> </tr> <tr> <td>Electronics/ Lab</td> <td>Quantum Mechanics</td> </tr> <tr> <td>Electrodynamics /Lab</td> <td>Solid State Physics</td> </tr> <tr> <td>Plasma Physics</td> <td>Optoelectronics</td> </tr> <tr> <td>Mathematical methods of physics I&II</td> <td></td> </tr> </table> M.Phil Courses: <ul style="list-style-type: none"> Experimental Techniques: <table border="0"> <tr> <td>Vacuum Systems/Vacuum pumps/Vacuum gauges</td> <td>AFM</td> <td>SEM</td> </tr> <tr> <td>Raman Spectroscopy</td> <td>XRD</td> <td>Ellipsometry</td> </tr> <tr> <td>Optical Microscopy</td> <td>UV-Visible Spectroscopy</td> <td>Four point probe</td> </tr> </table> Nanotechnology: <table border="0"> <tr> <td>Lithography Techniques</td> <td>CNT</td> <td>Nanowires & Nanoparticles, Nanorods</td> </tr> </table> Material Processing : <table border="0"> <tr> <td>Laser Matter Interaction</td> <td>Thin Film deposition</td> <td>Laser Ablation Micro structuring</td> </tr> </table> 				Classical Mechanics	Health and Medical Physics	Electronics/ Lab	Quantum Mechanics	Electrodynamics /Lab	Solid State Physics	Plasma Physics	Optoelectronics	Mathematical methods of physics I&II		Vacuum Systems/Vacuum pumps/Vacuum gauges	AFM	SEM	Raman Spectroscopy	XRD	Ellipsometry	Optical Microscopy	UV-Visible Spectroscopy	Four point probe	Lithography Techniques	CNT	Nanowires & Nanoparticles, Nanorods	Laser Matter Interaction	Thin Film deposition	Laser Ablation Micro structuring
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M.Sc Research	<p>Research Thesis ON <u>NANOTECHNOLOGY / Graphene 2-D Material.</u></p> <p><u>TOPIC:</u> Hunting of Hexagonal Boron Nitride layers on Si/SiO₂ Substrate.</p>																												
M.phil Research	<p><u>TOPIC:</u> Fabrication of Graphene- Hexagonal Boron Nitride Heterostructures.</p>																												

Major Achievements	<ul style="list-style-type: none"> • Attend One Credit Point CPD workshop on ‘MATERIAL CHARACTERIZATION’ arranged by Pakistan Engineering council in LOC center, UET Lahore (2016). • Member organizing committee for a workshop on ‘NANO SYMPOSIUM’ arranged in UET Lahore (2015). • Win 1st Prize in Scientific poster competition held in UET Lahore (2013). • Win best costume award in Annual Drama and skit competition, UET Lahore (2014)
Experience	<ul style="list-style-type: none"> • Two year working experience as a faculty member (Lecturer-Physics) at Riphah International University, Lahore • One-year Teacher assistant (TA) experience in the department of physics, UET Lahore. • One-year Research assistant experience in the department of physics, UET Lahore. • One-year Teaching Experience(Physics) at Lahore college of business and sciences ,Lahore • Six month (Fall 2017 Semester) working experience as a Lecturer (Visiting) at Riphah International University, Lahore • Having hand on Healthy expertise in operating of Scientific characterization Machines (AFM, SEM, XRD, Raman spectroscopy, UV-Visible, FTIR, Optical Microscopy)
Interests and Hobbies	<ul style="list-style-type: none"> • Reading books • Playing Cricket and Football • Research on Physics topics like Graphene. • Dramatics, Member of Dramatic society UET Lahore.
Computer Skills	<ul style="list-style-type: none"> • C++ programming. • Data Base. • Visual Basic language. • CSS programming. • ASP language. • HTML • MS Word • MS Excel • MS power point
References	<ul style="list-style-type: none"> • Prof. Dr. Muhammad Shahid Rafique, Dean Faculty of Natural Sciences and Humanities, University of Engineering and Technology, Lahore. Email: shahidrafiq@uet.edu.pk • Assistant Prof. Dr. Rashid Jalil, Department of Physics, UET Lahore. Email: rashidjalil@uet.edu.pk