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Designation		Associate Professor		
Department		Physics		
Faculty		Arts and Basic Sciences		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2010	PhD	Quaid-I-Azam University Islamabad	Plasma Physics	
2003	MS/ Mphil	Quaid-I-Azam University Islamabad	Plasma Physics	
2000	Graduation	Quaid-I-Azam University Islamabad	Physics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
(1)	Study of Cu-Ka emission from compact diodes Powered by Capacitor Discharge.	ChineseJ. Of Physics	International	2005
(2)	Enhancing soft x-ray emission with depleted uranium in neon plasma focus.	European Physical Journal Applied Physics,	International	2009
(3)	Soft X-ray emission from preionized He plasma in a 3.3 kJ Mather type plasma focus device.	Plasma Devices and Operations,	International	2009
(4)	Effect of Preionization on soft x-ray emission and plasma dynamics in a small plasma focus system.	Journal of Applied Physics,	International	2010
(5)	Hermitian operator and its Application to uncertainty principle.	J. App. Em. Sc.	National	2011
(6)	Effect of preionization on the dynamics of current sheath in a small plasma focus device.	Radiation Effects & Defects in Solids,	International	2012
(7)	Effect of pre-ionization on Cu K α emission from a small plasma focus.	Radiation Effects & Defects in Solids	International	2012
(8)	To study the basic concepts of Monte Carlo	J. App. Em. Sc.	National	2012

	Simulation by calculating value of π .			
(9)	Effect of preionization on the axial rundown velocity, focus amplitude and current sheath formation in 3.3 kJ small He plasma	Radiation Effects & Defects in Solids	International	2012
(10)	Synthesis And Characterization Of Strontium Hexaferrite By Solid State Reaction.	J. App. Em. Sc.	National	2012
(11)	Synthesis and Characterization of Barium Hexaferrite by Solid State Reaction.	J. App. Em. Sc.	National	2012
(12)	Order of magnitude enhancement in axial run-down velocity of current sheath and focus duration of a PF device with preionization.	Chinese J. Physics	International	2013
(13)	Designing and Study of X-ray Emission from Compact Diode Powered by Capacitor Discharge.	American Journal of Physics and Applications (AJPA)	International	2013
(14)	EVALUATION OF ROAD TRAFFIC NOISE POLLUTION IN QUETTA (Pakistan).	American Journal of Modern Physics (AJMP)	International	2014
(15)	Theoretical Study of Pinching Effect in The Theta Pinch Plasma by Variation in Kinetic Pressure.	J. App. Em. Sc.	National	2014
(16)	The numerical study of theta pinch plasma by variation of β beta parameter and applied current.	(IJESIT) (submitted)	International	2014
(17)	Gravitational Collapse of Dust cloud and Dark Energy of a Spherical Symmetric Star with Anisotropic Pressure.	(submitted)	International	2014
Paper Presented				
S. No	Title of Paper	Name of Conference	National/ International	Date
(1)	Order of magnitude enhancement in axial run-down velocity of current sheath and focus duration of a PF device with preionization.	One day international workshop on plasma physics	International	5th - 10th March, 2012
Books Authored/ Edited				
S. No	Name of book		Publisher	ISBN
	Nil			
Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
(1)	2012	Till date	BUIITEMS	Associate Professor

(2)	2012	2013	BUIITEMS	Acting DEAN
(3)	2010	2012	BUIITEMS	Assistant Professor
(4)	2005	2010	HEC	Research Associate
(5)	2003	2005	Pakistan Science Foundation	Research Associate
(6)	2000	2003	Quaid-I-Azam University	Junior Research Associate
Area of specialization			Plasma Physics	
Expertise			Radiation from plasma, Material processing, Numerical simulation	
HEC Approved supervisor			Yes	
If Yes, provide HEC URL			http://sc.hec.gov.pk/aphds/submit.asp?supid=5092	
Research grants/ Projects			A Research project of worth 9.36 million rupees entitle "Active Screen cage Pulse DC plasma discharge" has been approved and released for the establishing plasma material processing laboratory in the dept. of Physics, BUIITEMS. The establishment of the laboratory is in final stage.	
Additional Information				
<p>(1) Served as Acting Dean, faculty of Arts and Basics sciences from October-2012 to july-2013.</p> <p>(2) Serving as a member of HEC curriculum review committee for BS (Physics)</p> <p>(3) Served as chairman, student guidance and counseling committee for the faculty of Arts and basics sciences, BUIITEMS, from December, 18, 2011 to 2013.</p> <p>(4) Serving career counselor as student guidance and career counseling of MS physics students.</p> <p>(5) Serving as member of self-assessment report team of BS-Physics from 12-11-2010 to date.</p> <p>(6) Serving as student Advisor of BS-Physics from 02-12-2010 to date.</p> <p>(7) Supervised 2 MS thesis as supervisor and 2 as co-supervisor.</p> <p>(8) Currently 3 MS scholar research work has been completed and thesis writing is in progress as supervisor.</p> <p>(9) Participated in four days conference entitled '1st NCP Scientific Spring - 2009 (6th - 9th April, 2009)</p> <p>(10) Participated in two days international conference in university of Gujrat entitled "Research Methodology in Plasma Physics" dated November 21-22 2008.</p> <p>(11) Attended the 33rd International Nathia Gali Summer College on Physics and Contemporary Need , 23 June-5 July, 2008 organized by Pakistan Atomic Energy commission.</p> <p>(12) 34rd International Nathia Gali Summer College on Physics and Contemporary Need at NCP Islamabad , 25 June-7 July, 2009 jointly organized by NCP and ICTP, Triesty, Italy.</p> <p>(13) Attend a national workshop on industrial vacuum(NWIV) organized by Pakistan Vacuum Society (PVS), May, 2003 Islamabad Pakistan.</p> <p>(14) Reviewer of Many international scientific Journals.</p> <p>(15) Reviewed the scientific papers for the 2nd International Multi-Conference on Engineering and Technological Innovation: IMETI 2009 July 10th - 13th, 2009 – Orlando, Florida, USA.</p> <p>(16) Lead Guest Editor of Science Publishing Group, USA.</p> <p>(17) Membership of different Professional Societies, like Life time Member of Pakistan physical society (PPS) and Pakistan Plasma physics society (PPPS).</p>				