FACULTY FULL NAME: MUHAMMAD GUL BAHAR ASHIQ

POSITION: Member Staff College

Personal Data

Nationality | Pakistani

Date of Birth | 10-031980

Department |Physics

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Language Proficiency

Language	Read	Write	Speak
Arabic			
English	V Good	V Good	V Good
Others			

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2014	Ph.D (Physics)	University Technology Malaysia	Johor Bahru, Malaysia
2008	M.Phil (Solid State Physics)	University of Punjab	Pakistan
2003	Master (Physics)	BZU Multan	Pakistan

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	A numerical study of Laser induced Coulomb Explosion of GNPs for Breast Cancer therapy
Master	Photoconductivity of Zinc Molybdenum Phosphate Glasses
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	KSA	Majmaah University, College of Science, Department of Physics	Almajmaah	15 Dec 2015
Assistant Prof	KSA	Imam AbdulRahman BIN Faisal University Department of Physics		22 Agust 2019 to Date
Lecturer	Pakistan	Minhaj University Lahore	Lahore	Agust 2008 to Sep 2010

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	**M G B Ashiq**	Laser-irradiated gold nanoparticles for breast cancer therapy	Modern Physics Letters B Page 1950217 2019/6/20
2	Syeda Ammara Shabbir, Sana Tariq, **M Gul Bahar** Ashiq, Waqar A Khan	Non-enzymatic glucose sensor with electrodeposited silver/carbon nanotubes composite electrode	Bioscience reports 2019/6/28 Vol 39 issue 6
3	Q Mahmood, M Rashid, NA Noor, **M Gul Bahar** Ashiq, Shahid M Ramay, Asif Mahmood	Opto-electronic and thermoelectric properties of MgIn2X4 (X= S, Se) spinels via ab-initio calculations	Journal of Molecular Graphics and Modelling, Elsevier Volume 8
4	Q Mahmood, Bakhtiar Ul Haq, M Yaseen, Shahid M Ramay, **Muhammad Gul Bahar Ashiq**, Asif Mahmood	The first-principle study of mechanical, optical and thermoelectric properties of SnZrO3 and SnHfO3 for renewable energy applications	Solid State Communications, Volume 292

5	HSS Ali, Ali S Alghamdi, G Murtaza, HSS Arif, Wasim Naeem, G Farid, Sadia Sharif, **Muhammad Gul Bahar Ashiq,** Syeda Ammara Shabbir	Facile Microemulsion Synthesis of Vanadium-Doped ZnO Nanoparticles to Analyze the Compositional, Optical, and Electronic Properties	Materials Volume 12 Page 821
6	M Ibrahim, Hayat Ullah, Saeed Ullah Jan, Manzar Ali, **M Gulbahar Ashiq**	Structural Parameters AND OPTOELECTRONIC PROPERTIES OF Mg-IV-V_2 (IVSi, Ge, Sn AND VP, As) COMPOUNDS	Surface Review and Letters, Volume 25
7	**Muhammad Gul Bahar Ashiq**	Breast cancer treatment by nanophotolysis Approach	Results in Physics, Elsevier
8	Mohammed El Amine Monir, Hayat Ullah, Hadj Baltach, **M Gulbahar** Ashiq, R Khenata	Mechanical and magneto-electronic properties of half-metallic ferromagnetism in Ti-doped ZnSe and CdSe alloys: Ab initio study	Journal of Magnetism and Magnetic Materials, Elsevier, Vol 442
9	Syed Sarmad Ali Shah, Afzal Khan, Shah Haidar Khan, Nisar Muhammad, Saleem Ayaz Khan, M Gulbahar Ashiq, G Murtaza	Ab initio study of the electronic and optical properties of Ag3AuS2 polymorphs	Materials Research Expres, Vol 4
10	M G B ASHIQ, IKhan	Current Therapeutic Techniques and Nanophotolysis Approach for Treatment of Breast Cancer	Journal of Computational and Theoretical Nanoscience,Vol 13

11	MA Ghauri, SA Siddiqi, MGB Ashiq	Band gap measurement of ZnO-MoO_3-P_2O_5 glasses by photoconductivity	Glass Physics and Chemistry.Vol 40
12	Muhammad Gul Bahar Ashiq, Mohammad Alam Saeed, Bashir Ahmad Tahir, Noorddin Ibrahim, Muhammad Nadeem	Breast cancer therapy by laser-induced Coulomb explosion of gold nanoparticles	Chinese Journal of Cancer Research Vol 25
13	MGB Ashiq, MA Saeed, Noorddin Ibrahim, M Shahid, BA Tahir	Numerical study of nanophotolysis approach for breast cancer	Modern Physics Letters B Modern Physics Letters Vol 26
14	MGB Ashiq, Noorddin Ibrahim, M Shahid, BA Tahir, MA Saeed	Novel nanophotolysis technique for breast cancer therapy	Modern Physics Letters B Vol 26
15	BASHIR AHMED Tahir, MA Saeed, R Ahmed, M Ahmed, M Gul Bahar Ashiq	Long period grating as strain sensor	J.Ovonic Research , Vol 8
16	Bashir Ahmed Tahir, Rashid Ahmed, MGB Ashiq, Afaq Ahmed, MA Saeed	Cutting of nonmetallic materials using Nd: YAG laser beam	Chinese Physics B Vol 21
17	MGB Ashiq, MA Saeed, Noorddin Ibrahim, M Shahid	Laser induced Coulomb explosion of gold nanoparticles: application of nanophotolysis for Breast cancer	J Int Pulse laser Appl Adv Phys Vol 2

18	Bashir Ahmed Tahir, MA Saeed, Afaq Ahmed, SM Zafar Iqba, Rashid Ahmed, M Gul Bahar Ashiq, Hewa Yaseen Abdullah, Rosly Abdul Rahman	Effect of sensor gauge length on strain sensitivity of a fiber Bragg grating system	Chinese Journal of Physics Vol 49
19	MA Ghauri, SA Siddiqi, WA Shah, MGB Ashiq, M Iqbal	Optical properties of zinc molybdenum phosphate glasses	Journal of Non-Crystalline Solids

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1			
2			
3			

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1			
2			

Current Researches

#	Research Title	Name of Investigator(s)
1		
2		
3		
4		

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Electricity and Magnetism		
2	Nanotechnology and Nanoscience		
3	Thermodynamics		
4	Quantum Mechanics		
5	Electronics		
6			
7			
8			
9			
10			
11			
12			