

Faculty Resume

Name	Dr. Muhammad Atif				
Personal	Date of Birth: 04-01-1975 Nationality: Pakistan Marital Status: Married Sex: Male Religion: Islam Subject: Physics Office Address: Department of Physics, Government College University, Katchery Road, Lahore, Pakistan. Postal Code: 54000 Mobile Phone Number: +923218805424 Office Phone Number: +92 42 99211637 Email: muhammadatif@gcu.edu.pk muhammadatif75@hotmail.com				
Education	Year	Division	GPA or %	Marks	Degree
	2019				PhD. Institut für Optik und Atomare Physik, Technische Universität Berlin, Germany.
	2006	First	77.6%	77.6%	M. Phil. Centre of Excellence Solid State Physics, University of the Punjab, Lahore.
	1999	First	62.9%	755/1200	M.Sc. Govt. Islamia College Civil Lines Lahore. (PU)
	1995	First	63.6%	509/800	B.Sc. Govt. Islamia College Civil Lines Lahore. (PU)
	1993	First	64.4%	709/1100	F.Sc. Govt. Islamia College Railway Road, Lahore. (BISE)
	1991	First	71.4%	607/850	Matriculation: Don Bosco High School, Lahore (BISE)

Experience	Date	Title	Institution
	12. 04. 2012 -to date	Assistant Professor	Government College University, Lahore.
	02. 07. 2007 to 12. 04. 2012	Lecturer (GCU service)	Government College University, Lahore

	02. 08. 2004 Lecturer (Contract) to 02. 07. 2007		Government College University, Lahore.	
Honor and Awards	Year	Achievement	Distinction	
	1999	Roll of Honour	Academic Roll of Honour Awarded by Govt. Islamia College, Civil Lines Lahore, for the best result in master's in Physics.	
Language Skills	Language		Written	Spoken
	English		Good	Fair
	Urdu		Very Good	Excellent
	Punjabi		Fair	Excellent
	Deutsch		Reading Fair	-
	Arabic		Reading Fair	-
Memberships	Co-Advisor, Jones Physics Society, Physics Department, GC University, Lahore. Arranged Trips to Murree, Salt Range Khewora mines, Atomic Energy, GIKI, Quaid-e-Azam University Islamabad. Advisor, Jones Physics Society, Physics Department, GC University, Lahore. Life member of Pakistan Physical Society (PPS). Teaching Physics to INTERMEDIATE, BACHELORS, MASTERS and MASTER OF PHILOSOPHY. Proctorial duties. Tutorial Classes. Paper setting for F.Sc (Send up and Pre-board) B.Sc, M.Sc, and M. Phil. Member Board of Studies, Department of Physics, GC University, Lahore. B. Sc: Taught Statistical Physics, Mechanics and Relativity, Electricity and Magnetism, Heat and Thermodynamics, Geometrical and Physical Optics, Laboratory, and Mathematical Methods of Physics. M. Sc: Taught Mathematical Methods of Physics. M. Phil: Taught Advanced Engineering Mathematics. M. Phil: Teaching Photonics and Electro-optic modulators. Attendance In-charge of the junior staff in the Physics Department, GC University, Lahore.			

Assistant Controller of Examination for B.Sc and top up program in the Physics Department, GC University, Lahore.

Departmental Sports coordinator (January 2021 – August 2022).

BS coordinator (Regular Program/ Morning, July 2022 - to date)

**M. Phil and
B. Sc / BS
(Honors)
students
supervision**

Name	Registration No. / Roll No.	Degree	Session
Muzammal Amin	2019-GCUL-MP-PHY-207	M. Phil	2019 - 2021
Muhammad Awais	2020-GCUL-MP-PHY-214	M. Phil	2020 - 2022
Adeel Ahmad	2020-GCUL-MP-PHY-250	M. Phil	2020 - 2022
Mahjabeen Nawaz	2021-GCUL-MP-PHY-172	M. Phil	2021 – 2023
Usman Ali	2022-GCUL-MP-PHY-444	M. Phil	2022-2024
Muhammad Umair	2022-GCUL-MP-PHY-442	M. Phil	2022-2024
Muhammad Usman	2023-GCUL-MP-PHY-411	M. Phil	2023-2025
Zara Ather	2024-GCUL-MP-PHY-430	M. Phil (In Progress)	2024-2026
Shoaib Akmal	2016-BH-PHY- 692	B. Sc	2016 - 2020
Amir Saleem	2016-BH-PHY- 719	B. Sc	2016 - 2020
Ahmed Basit Latif	2017-BH-PHY- 450	B. Sc	2017 - 2021
Abdus Salam	2018-GCUL-BH-PHY-325	B.Sc	2018 - 2022
Arbaz Ahmad	2018-GCUL-BH-PHY-312	B.Sc	2018 – 2022
Zainab Bibi	2018-GCUL-BH(E)-PHY- 217	B.Sc.	2018 - 2022
Rimsha Tariq	2019-GCUL-BH-PHY-354	B.Sc	2019 - 2023
Muhammad Aamir Nawazish	2019-GCUL-BH-PHY-337	B.Sc	2019 - 2023
Sanaullah	2019-GCUL-BH-PHY-351	B.Sc	2019 - 2023
Moeen Ahmad	2019-GCUL-BH(E)-PHY-245	B.Sc	2019 - 2023
Muhammad Arslan	2019-GCUL-BH(E)-PHY-279	B.Sc	2019 - 2023
Taha Ahmad	2020-GCUL-BH-PHY-	B.Sc	2020 - 2024

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	Eman Iqbal	2020-GCUL-BH(E)-PHY-249	B.Sc	2020 - 2024
	Alishba Khan	2020-GCUL-BH(E)-PHY-235	B.Sc	2020 - 2024
	Shah Jahan	2021-GCUL-BS-PHY-431	B.Sc	2021-2025
	Zonash Khurram Rana	2021-GCUL-BS-PHY-461	B.Sc	2021-2025
	Aleena Yameen	2021-GCUL-BS-PHY-189	B.Sc	2021-2025
	Ahsan Riaz	2021-GCUL-BS-PHY-174	B.Sc	2021-2025
	Syed Ali Mashad	2022-GCUL-BS-PHY-1452	BS	2022-2026
	Arslan Abbas	2022-GCUL-BS-PHY-1428	BS	2022-2026
	Noora Rashid	2023-GCUL-BS-PHY-1420	BS (In Progress)	2023-2027

		Attended the 9th National Symposium on Frontiers in Physics held at GC University, Lahore. A three-month diploma course in Microsoft Word and Excel from the National College of Business Administration. Attended a month-long “English Language Proficiency Skills” course arranged by Quality Enhancement Cell GCU Lahore.
Service Activity, Training Courses, Seminars and Workshops	National and International	Attended a three-day, workshop arranged by the QEC for the newly inducted faculty at GCU. Appointed as a practical examiner for F.Sc by BISE Lahore. Participated in a Lecture course arranged by Prof. Dr. h. c. mult. Syed Muhammad Qaim on “Scientific and Environmental Aspects of Energy Production” (with emphasis on nuclear energy) 12th March 2012 to 30th March 2012. Attended a seminar given by Prof. Dr. Woo-Young Choi on “Silicon Electronic-Photonic Integrated Circuits” at Technische Universität Berlin Germany 16th October 2014. Attended a lecture given by Prof. Dr. Ursula Gibson on “Active and Passive novel NIR waveguide materials” at

Technische Universität Berlin Germany October 24, 2014.

Attended German language courses A1 and A2 from ZEMS Technische Universität Berlin summer semester 2014 and winter semester 2014/ 2015.

Attended CeBIT exhibition held in Hannover Germany 16.03.2015.

Participated in a workshop of Keysight Technologies at Fraunhofer Heinrich Hertz Institute, Berlin Germany on April 14th, 2015.

Attended Annual Laser and general safety seminar, at Institut für Optik und Atomare Physik Technische Universität, Berlin Germany on 8th May 2015.

Attended seminar given by Dr. Annemarie Huijser on “Controlling ultrafast processes in artificial photosynthesis” at Institut für Optik und Atomare Physik Technische Universität, Berlin Germany on 19th June 2015.

Attended Annual Laser and general safety seminar, at Institut für Optik und Atomare Physik Technische Universität, Berlin Germany on 19th February 2016.

Participated in a one-day workshop arranged by Sicoya GmbH at Institut für Optik und Atomare Physik Technische Universität, Berlin Germany on 24th February 2016.

Participated in the Regional E-conference on Physics (18-21 January, 2022).

Attended National Symposium on The Role of Mathematics in Science and Technology development, jointly arranged by Pakistan Nuclear Society, and Pakistan Physical Society, at Government College University, Lahore, on 23rd May 2022.

Attended a workshop on Teaching Experimental Labs online, arranged by the Department of Physics, Virtual University of Pakistan, on 18th June 2025.

Attended training “From research to publication: An overview on IEEE publication process”, arranged by IEEE online on 7th August 2025.

Attended and was a member of the International Conference on Frontiers in Physics, arranged by the Department of Physics, Government College University, Lahore, Pakistan, from 28th January to 30th January 2026.

Research Work	1. Optical Properties of Linear and Non-Linear Periodic Structure.” 2. “Simulation of Building Blocks for Silicon Photonic Integrated Circuits.”
Teaching	I have been involved in rigorous teaching since August 2004 to date. 1. Mechanics 2. Electricity and Magnetism 3. Heat and Thermodynamics 4. Mathematical Methods of Physics 5. Statistical Physics 6. B.Sc Lab I 7. B.Sc Lab II 8. Geometrical and Physical Optics 9. Applied Physics 10. Advanced Engineering Mathematics 11. Photonics and Electro-optic Modulators 12. Intermediate classes 13. Introductory Mechanics Lab 14. Electricity and Magnetism Lab

Publications	Conference Paper 1. S. Meister, M. Grehn, H. Rhee, M. Vitali, C. Theiss, S. Kupijai, A. Al-Saadi, D. Bronzi, S. Otte, M. Henniges, D. Selicke, M. Atif, E. Schwartz, S. Lischke, D. Stolarek, A. Mai, M. Kaynak, H. H. Richter and L. Zimmermann, "Silicon Photonics for 100 Gbit/s Intra-data Center Optical Interconnects," in <i>Optical Interconnects XVI</i>, California, 2016. 2. Muzammal Amin, Muhammad Atif, Abdul Latif, “Reduction of temperature in layered structure of transceiver by heat conduction through thermal simulation” in 2022 International Conference on Electrical Engineering and Photonics, St. Petersburg, Russian Federation, 2022.
Creative Accomplishment	Patent 1. International Patent application “Optoelectronic Component Having a Resonator” No: PCT/DE2016/200180, International Publication No: WO 2016/165708 A1, date: 20.10.2016. Stefan Meister, Hanjo Rhee, Christoph Theiss, Aws Al-Saadi, Marvin Henniges, Muhammad Atif.

	https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2016165708&cid=P10-MIV5ED-80986-1 Expired 27.04.2021
Journal Publications	1. S. S. A. Gillani, M. Awais, M. Atif , I. Zeba, M. Shakil and Riaz Ahmad, "Computational investigation to explore the effects of metals (Mg, Ca, Sr) doping on phase transition, electronic band structure and their repercussions on optical, elastic and mechanical properties of BaThO ₃ " Physica Scripta, vol. 98, no. 1, 2022.
Ph.D Thesis Published	Muhammad Atif , "Simulation of Building Blocks for Silicon Photonic Integrated Circuits", Ph.D, Thesis, date: 11. 03. 2019, Berlin: DepositOnce / Technische Universität Berlin https://doi.org/10.14279/depositonce-8257