

Dr. Muhammad Azam

Father name: Khan Muhammad Azam

Date of birth: 1st January 1981

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EDUCATIONAL QUALIFICATIONS

(a) Secondary School and Intermediate

Certificate obtained	Institution attended	Years attended		Percent/Marks/Division	Major Subjects
		From	To		
Matriculation	Govt. H/S Uch Sharif	1995	1996	76%, 648/850, First	Physics, Chemistry, Math, Biology
F. Sc	Govt. Sadiq Abas Degree College, Ahmad Pur East.	1996	1999	59.36%, 653/1100, Second	Physics, Mathematics, Chemistry

(b) University

Degrees obtained	Name and Place of University and college	Years attended		Percent Marks/Division/ CGPA	Major Subjects
		From	To		
B. Sc	Govt. Sadiq Abas Degree College, Ahmad Pur East.	1999	2001	60%, 486/800, First.	Double Math, Physics
M. Sc	Islamia University Bahawalpur,	2002	2004	60%, 840/1400, First	Physics
M. Phil	University of Agriculture, Faisalabad	2006	2009	68.14%, 3.19	Physics
PhD	University of Agriculture, Faisalabad	2014	2022	69.04%, 3.23	Physics

(c) Other formal training

B. Ed	AIOU, Islamabad	2004-2005	Physics, Math.
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Publications

(a) List of Research Papers Published in HEC Recognized Journals

S.No	Authors	Year	Title	Name of Journal	Category
1.	Muhammad Azam , Irfan Toqeer, Abdul Ghaffar, Muhammad Y. Naz, Majeed A. S. Alkanhal, and Yasin Khan	2018	Electromagnetic Wave Reflectance, Transmittance, and Absorption in a Graphene-Covered Uniaxial Crystal Slab	Progress In Electromagnetics Research M, Vol. 73, 71–79, 2018	X-Category
2.	Azam, M. , Y. Jamil, M. Musadiq, R. Zahira and M. Y. Javed. 2009	2009	Fabrication and performance study of slope type electric-cum solar oven	Pak. J. Agri. Sci., Vol. 46(3): 228-231	W-Category
3.	Azam, M. , A. Haider, Y. Jamil and N. Amin.	2009	Effect of heat treatment on the properties of high T_c Bi-based superconductor.	Pak. J. Agri. Sci., Vol. 46(4),	W-Category
4.	Zahira, R., H. Akif, N. Amin, M. Azam , and Z. HAQ.	2009	Fabrication and performance study of a solar milk pasteurizer	Pak. J. Agri. Sci., Vol. 46(2): 162-168	W-Category

(b) List of International Research Papers Published in Journals having Impact Factor

S.No	Authors	Year	Title	Name of Journal	Impact Factor
1.	Azam, M. , Umair, M., Ghaffar, A., Alkanhal, M. A., Alqahtani, A. H., and Khan, Y	2024	Dispersion characteristics of surface plasmon polaritons (SPPs) in graphene–chiral-graphene waveguide	Waves in Random and Complex Media, 1-12	1.07
2.	Sarwar, Z., U. Muhammad, U., Yasir, J., Hussain S., Azam, M and Ashraf, S	2023	Effect of Cerium Oxide and rGO Conjugation on the Electrochemical Energy Storage Traits of V2O5 Nanomaterials	Journal of electronic materials 1635-1645	2,01
3.	Azam, M. , Yaqoob, M. Z., Ghaffar, A., Alkanhal, M. A., Khan, Y., and Alqahtani, A. H	2021	Electromagnetic Energy Surface Modes in Metamaterial-Filled Bi-layer Graphene Structures	Plasmonics, volume: 16 (4) 1175–1194	2.726

4.	Azam, M. , Ghaffar, A., Jamil, Y., and Bhatti, H. N.	2021	Hybrid surface plasmon polariton (SPPs) modes between metal and anisotropic plasma interface	Journal of Ovonic Research, Vol.17, No.5	0.629
5.	Umair, M., Azam, M. , Alkanhal, M. A., Ghaffar, A., Aladadi, Y. T., and Khan, Y	2020	Characteristics of Surface Plasmon Polaritons in Magnetized Plasma Film Walled by Two Graphene Layers	Journal of Nanoelectronics and Optoelectronics, 15(5), 574-579	0.697
6.	S. Shukrullah , M. Azam ,M. Y. Naz , I. Toqeer , A. Gungor	2020	Effective removal of chromium from waste water with Zn doped Ni ferrite nanoparticles produced using co-precipitation method	Materials Today: Proceedings volume: 47 Pages S9-S12	1.46
7.	Toqeer, M. Y. Naz, Y. Khan, M. Azam , M. A. S. Alkanhal, R. M. M. Meer	2018	Morphological and magnetic response of copper substituted nickel ferrite nanoparticles	Philosophical Magazine and Philosophical Magazine Letters	1.194
8.	A. S. Khan, A. Ghaffar, M. Y. Naz, M. Azam , Y. Khan, I. Ahmad	2017	Synthesis of nickel-copper nanocrystalline ferrite adsorbents for treatment of textile effluents	Digest Journal of Nanomaterials and Biostructures Vol. 12: 235 - 242	0.61
9.	A. Ghaffar, M. Shoaib, N. Mehmood, M. Y. Naz, M. Azam and Q. A. Naqvi	2013	Electromagnetic field diffraction of a paraboloidal mirror under oblique incidence.	International Journal of Applied Electromagnetics and Mechanics. Volume: 41, 479–494	0.86
10	Naz, M. Y., A. Ghaffar, N. U. Rehman, M. Azam , S. Shukrullah, A. Qayyum, M. Zakaullah	2011	Symmetric and Asymmetric double Langmuir probes characterization of radio frequency inductively coupled nitrogen plasma	Progress in Electromagnetics Research, Volume: 115, 207-221	5.298