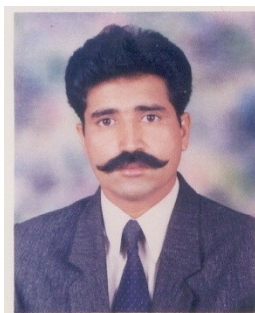


Curriculum Vitae

PERSONAL DETAILS

◆ Name	ZIA-UL-HAQ
◆ Father's Name	ZIA-UD-DIN
◆ Date of Birth	10-11-1967
◆ N.I.C. #	35303-2242779-1
◆ Marital Status	Married
◆ Domicile	Okara (Punjab)
◆ Religion	Islam
◆ Permanent Address	Chak # 2/1 R.A., P/O Renala Khurd, Tehsil Renala Khurd, District Okara.
◆ Mailing Address	Department of Physics, University of Agriculture, Faisalabad
◆ Email address	zh_uaf@yahoo.ca/zh_uaf@hotmail.com
◆ Phone #	Mob: 0300-6678446 & 03226261747
◆ Office #	+92041-9200109



QUALIFICATIONS

Degree	Subjects	Year	Marks	%age	Division	Institution / Board
M. Phil	Physics	2001	615/840	73 %	1 st	University of Agriculture, Faisalabad
M. Sc.	Physics	1997	719/1100	65.4 %	1 st	University of Agriculture, Faisalabad
B. Sc.	Physics, Math (A & B course)	1993	446/800	56 %	2 nd	Punjab University
F. Sc.	Physics, Math and Chemistry	1986	588/1100	53.5 %	2 nd	Faisalabad Board

Matriculation	Physics, Math, Chemistry, Biology	1984	542/850	63.7 %	1 st	Lahore Board
----------------------	--------------------------------------	------	---------	--------	-----------------	--------------

EXPERIENCE

- Four year experience as a lecturer at Department of Physics and advisor to the Physics Society University of Agriculture Faisalabad.

RESEARCH & THESIS

- Measurement of industrial noise levels in a textile industry and its effects on the hearing loss of the workers.
- Prediction of LA_{10T} traffic noise levels in the city of Faisalabad.

RESEARCH PAPERS

- Estimation of Noise levels at Urban Areas of Faisalabad City. Presented in National Science Conference held at Peshawar.
- Characteristics of the compound present in the atmosphere of Khushab City Area using X-ray Diffraction Technique. IJBS. 2(1):59-68, January 2005.
- Performance study of improved design of Solar Dehydrator When connected with Solar Oven. IJBS. 2(1):22-26, January 2005.
- Design, Fabrication and Performance study of Basin Type of Solar Still. IJBS. 3 (2):712-716, April 2006.
- Quantitative comparison of Mineralogy using XRD Technique.
- Design and Fabrication of a Radio Frequency Based Transceiver for Pc to Pc Communication. Pak. j. life soc. sci. (2008), 6(1): 42-46
- Qualitative analysis of the suspended particulate matter in the environment of an industrial and a non industrial city of Pakistan. Soil & Environ. 27(1):84-87, 2008.
- Microwave Assisted Synthesis OF Fine Magnetic Manganese Ferrite Particles Using co-precipitation Technique. Pak. J. Agri. Sci., Vol. 45(3), 2008.
- Fabrication and performance study of a solar milk pasteurizer. Pak. J. Agri. Sci., Vol. 46(2), 2009.
- Enhancement in Germination, Seedling Growth and Yield of Radish (*Raphanus sativus*) Using Seed Pre- Sowing Magnetic Field Treatment. Pol. J. Environ. Stud. Vol. 21, No. 2(2012), 369-374.
- Magnetic stimulation of Marigold seed. Int. Agrophys., 2012, 26, 335-339.
- Effect of pre-sowing magnetic treatment on properties of Pea. *Int. Agrophys.*, 2012, 26, 25-31.
- Enhancement in germination. Growth and yield of okra (*abelmoschus esculentus*) using pre-sowing magnetic treatment of seeds. Indian journal of biochemistry and biophysics, vol.49, June 2012, pp 211-214.

- Effect of pre-sowing magnetic field treatment to garden pea (*Pisum sativum* L.) seed on germination and seedling growth. Pak. J. Bot., 44(6): 1851-1856, 2012.
- Exploring the growth potential of Albizia procera and Leucaena leucocephala as influenced by magnetic fields. Turk J Agric For 36 (2012) 757-763.
- Enhancement in growth and yield of mushroom using magnetic field treatment. Int. Agrophys., 2012, 26, 375-380.
- Magnetic field treatment effects on growth of okra (abelmoschus esculentus (L.) Moench). IJBPAS, June, 2012, 1(5): 786-791
- Magnetic field application as pre-sowing seed treatment enhances the seed germination potential of Shisham (Dalbergia sissoo). World Applied Science Journal 32(5):792-796, 2014
- Germination potential in Albizia lebbeck and Acacia nilotica seeds as treated with magnetic field. Journal of Agricultural Research Vol. 53 No. 1 march issue 2015.
- Improvement of spring maize performance through physical and physiological seed enhancements. Seed Sci. & technol. 2015, 43, 2, 1-12.
- Pre-Sowing seed magnetic field stimulation: A good option to enhance bitter melon germination, seedling growth and yield characteristics. Biocatalysis and Agricultural Biotechnology 5 (2016) 30-37.
- Magnetically treated water irrigation effect on turnip seed germination, seedling growth and enzymatic activities. Info Proc In Agri 3 (2016), 99-106
- Pre-Sowing seed magnetic field treatment influence on germination, seedling growth and enzymatic activities of melon (Cucumis melo L.). Biocatalysis and Agricultural Biotechnology 6 (2016) 176-183

Abstracts Published in National and International Conferences

- A Solar Pasteurizer for Decontamination of drinking water and milk. International Symposium P-51, October 13-14, 2008.
- An Efficient Solar Dryer for Domestic and Commercial use to preserve agricultural products. International Symposium P-51, October 13-14, 2008.
- Qualitative and Quantitative Analysis of Cement and Mortar using Laser Induced Breakdown Spectroscopy. Abstract book inncc. conf. Oct 15-17, 2012
- Application of response surface analysis methodology: pre sowing seed magnetic field treatment and irrigation by magnetized water effect on germination, biochemical, physiological and enzymatic attributes in Chili. National Science Conference, P.M.A.S Arid Agriculture University, Rawalpindi, Jan 10-12, 2012.

- Germination Percentage in *Albizzia procera* and *Leucaena leucocephala* Seeds Exposed to Magnetic Field. WASET 2012 KUALA LAMPUR, MY International conference program, Feb 19-21, 2012.
- Investigation of variation in crystallite size of hard ferrite material synthesized using ball milling technique. 10th International Chemistry conference held at UAF, Nov 21-23, 2011.
- Characterization of COZnFeO₄ synthesized through a wet chemical route. 4th International Symposium on Advance Materials Sept 2011, Islamabad.
- Pre-sowing diode laser induced improvement in tomato seed germination . 11th international, 23rd national chemistry conference 2012.
- Continuous diode laser pre-sowing seed treatment effect on tomato growth, characteristics, accumulation of bio-chemical and chlorophyll contents. 11th international, 23rd national chemistry conference, 2012.
- A diode laser based method for monitoring food properties during solar drying. ICBCS-24-26 Feb. 2014 Page 150
- Improvement of spring maize performance through physical and physiological seed enhancements *Seed Sci. & Technol.*, (2015), **43**, 2, 1-12.
- Germination potential in *Albizia Lebbeck* and *Acacia Nilotica* seeds as treated with magnetic field . *J. Agric. Res.*, 2015, 53(1)
- Construction and Utilization of Innovative Zeolite/Perovskite/ Graphene Oxide, Zeolite/Chitosan/Graphene Oxide, and Zeolite/ Biochar/Graphene Oxide Nanohybrid Composites for Adsorptive Remediation of Cationic Dye from Wastewater. *Water Conservation Science and Engineering* (2024) 9:33.
- Role of cerium dopant in tuning the semiconductor-to-metal transition properties of magnesium zinc ferrite nanomaterials. *Materials Science in Semiconductor Processing.*, Volume 185, January 2025, 108950.
- Investigating samarium doping effects on the structural, morphological, optical and dielectric properties of zinc cobalt ferrites: A detailed insight. *Solid State Sciences.*, Volume 160, February 2025, 107824

Articles Published in UAF Digest

- Bio electromagnetic technology .Agriculture Digest, University of Agriculture Faisalabad, 2010.
- Effect of magnetically treated water on crops and human body. Agriculture Digest, University of Agriculture Faisalabad, 2012.

Participation in seminars, conferences and workshops

- ❖ Workshop on vacuum technology Nov 3-4, 2012 UAF.
- ❖ Workshop on statistical analysis using SPSS and MINITAB Oct 5-7, 2012 UAF.
- ❖ HEC workshop on imparting practical training of molecular and biochemical techniques Nov-27 to 1-Dec UAF.
- ❖ International Seminar on Advance Nano Materials June 12, 2012 dept of Physics UAF.
- ❖ National Seminar on Nano Technology: opportunities & future prospects Dec 6, 2012 GCU Faisalabad.
- ❖ Capacity building of faculty members /students on presentation skills career development. Organized by Career Development Center (GRAP) UAF.

TRAININGS

- ❖ Research Orientation Program on Research Methodology and Analytical Techniques June 15-30, 2004.
- ❖ HEC Master Trainers in Physics 16th July-15th August, 2007.Dept of physics, Q.A.U., Islamabad.

Certificates of Honor

- ❖ Pakistan Day Celebration march 23rd, 2007.Organised by Hall Senate & Office of the Hall Warden UAF.

LANGUAGES

- Proficiency in English, Urdu