

# Ramiza

## Lecturer

Department of Physics, Faculty Sciences,  
University of Agriculture, Faisalabad.  
Pakistan

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## PERSONAL

Father Name

Muhammad

Ali

Date of Birth : 01-01-1972  
CNIC : 33100-5192756-6  
Domicile : Faisalabad (Punjab)  
Nationality : Pakistani  
Languages : Urdu, English, Punjabi  
Marital Status : Married

## ACADEMIC QUALIFICATION

### M.Phil.

[Physics]

CGPA: 3.52/4.00

### 2001 – University of Agriculture, Faisalabad

*Methods of Mathematical Physics, Advanced Solid State Physics, Ion Physics, Electrodynamics and Magnetostatics, Electromagnetic Theory, Advanced Quantum Mechanics*

### Thesis Title

Effect of thermal treatments and different annealing temperatures in  $\text{MnFe}_2\text{O}_4$

### M.Sc.

[Physics]

1<sup>st</sup> Div. 781/1200(65%)

### 1996 – Science College Samanabad, Faisalabad

*Classical Mechanics, Quantum Mechanics, Mathematical Methods of Physics, Electronics, Electronics Lab.-I, Modern Physics Lab., Electricity and Magnetism, Nuclear Physics, Solid State Physics, Advanced Electronics, Statistical Mechanics*

### B.Sc.

2<sup>nd</sup> Div. 438/800(55%)

### 1993 – Govt. College for Women, Madina Town Faisalabad

*Physics, Math (A & B)*

### F.Sc.

1991 – Govt. College for Women, Karkhana Bazar,

Biology: 650/1100

Mathematics: 658/1100

**Faisalabad.**

*Physics, Chemistry, Biology, Mathematics*

**Matric**

1<sup>st</sup> Div. 660/800(77.7%)

**1988 – Govt. Girls High School, Karkhana Bazar,  
Faisalabad**

*Physics, Chemistry, Mathematics, Science*

**B.Ed.**

1<sup>st</sup> Div. 711/1100 (64.65%)

**1997**

*Physics, Math (A & B)*

## **PROFESSIONAL EXPERIENCE**

### **2009 to Date**

Working as Lecturer since 2009 at University of Agriculture, Faisalabad. I am well-versed in the following courses at graduation level:

1. Electronics
2. Quantum Mechanics 1
3. Quantum Mechanics 11
4. Solid State Physics
5. Solid State Physics 1
6. Magnetic Materials

### **Research Student Supervised:**

M.Phil Students: 25

MSc Students: 23

### **Member of Supervisory Committees:**

M.Phil Students: 11

MSc Students: 12

## **RESEARCH INTEREST**

- Radiation Physics
- Dosimetry
- Solar energy
- Material Science

## **CONFERENCE ABSTRACT PUBLISHED**

- 1) **Ammat ur Rehman, Ramiza and Majid Munir.** 2008. Effect of microwaves on the post irradiation stability of reactive violet 1 dye (abstract published in 1<sup>st</sup> National chemistry symposium); 46 Chemistry symposium)

- 2) **Atika Latif, Ramiza, N Akhtar, Marrium Saddiqa and Shaukat Ali Shahid. 2011.** Natural Radioactivity as Pollutant in drinking water of Faisalabad, Pakistan. 10<sup>th</sup> international and 22<sup>nd</sup> National Chemistry Symposium Faisalabad, Pakistan.
- 3) **Ramiza, J Yasir, K.Kashif and A.Naseem. 2014.** Fabrication and performance of semicircular solar geyser with copper coils. International workshop on renewable energy technologies in Pakistan: 37
- 4) **Ramiza, A Nasim, J Yasir, K Kashif, S Amira, Nyab, M yaseen and H Anwar. 2015.** Monitoring of particle size of Mn-Zn spinel ferrite nano particles subjected to UV radiation: 51.
- 5) **Sultan MZ, B Hanif, M Raza, Z ul Haq, M Shahid, M Yaseen, M Q Zakaria, A Hafeez, Ramiza and Y Jamil. 2015.** Synthesis and characterization of nano structured cobalt substituted Nickel Zinc Ferrite: 58.
- 6) **Rashid F, Ramiza, A Hussain and M Q Zakaria. 2015.** Synthesis and characterization of coprecipitated nano Nickel Cadmium Ferrite: 74.
- 7) **Akram M, Ramiza and Bano. 2015.** Impact of various concentrations on the size of nano particles synthesized via co precipitation.

### **PUBLICATIONS:-**

1. Ramiza, M. Y. Hussain, M. Rani and **Nasim-Akhtar** (2010) "Quantitative Measurement of Natural Radioactivity in Vegetable and meat before and after cooking". Pak. J. Agri. Sci., 47(2): 153-156.
2. Shahid S. A., B Shahzad, A Naz, Ramiza, M. Yaseen, Iman Ullah and A Shafeeq (2012) "Convenient Synthesis of Ni Zn Ferrites from metal chlorides". Journal of Faculty of Engineering and Technology : 45-52.
3. Batool J, S A Shahid, Ramiza, N Akhtar, A Naz, M Yaseen. 2012 A study on dosimetric characterization of direct yellow 12 dye at high radiation  $\gamma$  dose, Bulletin of the Korean Chemical Society, 2012
4. Ajmal S K, A B Ziya, Ramiza, N Syed, S Akhter and T Bashir. 2015. An Investigation of Atomic Short Range Order in Binary Ni<sub>20</sub>Pd<sub>80</sub> and Au<sub>25</sub>Pd<sub>75</sub> Alloy. International Research Journal of Pure & Applied Chemistry. 10(3): 1-9, 2016.
5. Ramiza, F Ameen, S K Ajmal, M B Khan, A Nasim, Y Jamil, K Kashif and S. Amira. 2016 Effect of UV radiations to control particle size of Mn-Zn spinel ferrite nano-particles. Materials Science and Engineering 146.
6. Ajmal S K, Shu-F Pang, Ramiza, Tahir Bashir, Y Zhang, Y Zhang. 2016. A study of efflorescence process in K<sub>2</sub>HPO<sub>4</sub>, KH<sub>2</sub>PO<sub>4</sub> and K<sub>3</sub>PO<sub>4</sub>. 3H<sub>2</sub>O droplets on Teflon substrate by confocal Raman spectroscopy. Pakistan Journal of Contemporary Sciences, 1(1): 17-27.
7. Hayat M K, Ramiza, T Hussain, A H Saeed, Inam ul Haq and Nasim Akhtar. Preliminary Studies for
  - a. Dosimetric Response of a Synthetic Dye for Gamma Dosimetry Journal of Basic & Applied Sciences,
  - b. 2016, 12, 406-410.
8. **6)** Hayat M K, Ramiza, T Hussain, A H Saeed, Inam ul Haq and N Akhter. Effect of Gamma
9. Radiation on the Mean Absorbance of a Synthetic Dye in Aqueous Solutions and Its Possible Use in

10. Gamma Dosimetry. Journal of Chemical, Biological and Physical Science ,2016, 12, 406-410.
11. Sami A' S K Ajmal, Ramiza, M. Z Arif . 2017. Interaction of  $AU^{197}$  with Gold atoms and the beam energy of 11 .67 Mev / U studied with Mica Trac Detector. Pakistan journal contemporary sceines, 2017 2(1): 18-39.
12. Hayat M K, Ramiza, T Hussain, R Khaliq, H Farooq, I U Haq and N Akhtar. A Study of Percentage Decoloration of Aqueous Solutions of a Synthetic Dye for Gamma Dosimetry. 2017. International Journal of Scientific & Engineering Research, 8(1):1437-39.
13. 9) Farooq Z, R Ali, Aqrab Ul Ahmad, M Yasen, Mian H R Mahmood, M Fahad, M N Hussain, I Rehan, M Z Khan, Ramiza, M U Farooq A Qayyum and M Shafique. Electron number density conservation model combined with the self -adsorption correction, methodology for analysis of nanostructure plasma using laser-induced break down spectroscopy.2020. Applied Optics, vol.59(8):2559-68.
14. Ahmed N, Z Khalil, Z Farooq, Khizar-ul-Haq, Shabnam Shahida, Ramiza,Pervaiz Ahmad,Karwan Wasman Qadir\*,Rajwali Khan and Qayyum Zafar. Structural, Optical, and Magnetic Properties of Pure and Ni–Fe Co doped Zinc Oxide Nanoparticles Synthesized by a Sol–Gel Auto combustion Method.ACS omega,2023. vol 1 (9):137-145.
15. Amina Safdar1,a\*, Ramiza Ali1,b, Aneela Shahzad1,c, Jaala Mishal1,d Structural and Dielectric Properties of ‘Mg’ Doped M-Type Strontium Hexa-Ferrites (SrFe12O19) Synthesized via Sol-Gel Method.Advanced Materials Research.1178:97-112.
16. Bilal M , I Ahmed, S Shabbir, M. U Subhani, M Maraj , H Anwar and Ramiza. Structural, optical, dielectric and magnetic properties of Cd substituted copper strontium W-type hexaferrite.2024, vol.50(10):17228-17241.

### **Talks, popular articles, essays, reviews etc**

- Monitoring of the Particle Size of Mn-Zn Spinel Ferrite Nano Particles Subjected to Ultraviolet Radiation
- Food irradiation technologies

### **SUPERVISED THESIS TITLE SUPPORTIVE TO RADIOLOGICAL CONTAMINATION:-**

- 1) Natural radioactive determination in fruit vegetables and meat before and after cooking (2007)
- 2) Determination of gamma radiation contamination in drinking water samples collected from various areas of Faisalabad city(2011)
- 3) Determination of the specific activity concentration of the drinking water samples of Faisalabad city using Sodium iodide detector(2011)
- 4) Determination of radiological contamination in drinking water samples selected from the various parts of faisalabad city area using sodium iodite detector

## **COMPUTER LITERACY:-**

MS Dos, Windows 98-2000, MS Word, MS Excel, Power Point and Internet Applications.

## **CERTIFICATES:-**

- English proficiency certificate
- Certificate of 3<sup>rd</sup> position in cleanliness, cooking and campfire
- Certificate of President of Science Society
- Certificate of second position in Islamic Muzakara
- Certificate of girl guide course
- Certificate of National Guard Held at Govt. College Karkhana Bazar, Faisalabad

## **TEACHING EXPERIENCE:-**

University of Agriculture, Faisalabad: Lecturer in Physics, 2003 to Date

Govt college for women, Karkhana Bazar, Faisalabad  
Honorary Lecturer(one year experience)

## **CONFERENCE ORGANIZAR:-**

New Horizons and recent advancements in Physics. 2015

Dept. of Physics, University of Agriculture, Faisalabad.

## **ADMINISTRATIVE DUTIES:-**

Duties	Period
Incharge departmental library	8 years
Incharge chemicals and Glass ware	4 years
Secretary departmental board of studies	2 and half years
Member Scrutiny committee	2-12-2010
Discipline incharge	1 year
Tea club incharge	2 years

### **SCIENTIFIC CONFERENCES/WORKSHOPS ATTENDED:-**

Conference Name	Conference Date and Place
Scientific Presentation.	July -25 <sup>th</sup> to 30 <sup>th</sup> , 2005 University of Agriculture, Faisalabad.
6 <sup>th</sup> international Workshop and training course on micro electronics	April 9 to 13,2007Islamabad, Pakistan.
The safety measures in use of radiation in agriculture and biology	April 23-5 May, 2007 Nuclear Institute of Agriculture and Biology, Faisalabad
International Nathiagali Summer College on Physics and contemporary Needs	25 <sup>th</sup> June to 7 <sup>th</sup> July, 2007
Research Methodology and analytical techniques	August 13 to 27 2007, University of Agriculture, Faisalabad
Pakistan Society of Food Scientist and Technologists	December 31 <sup>st</sup> 2007
Incorporating Technology in Education (ITE)	February 25 to March 10, 2011
Statistical analysis using SPSS and MINITAB	October 5-7, 2011
Vacuum Technology	3-4,2011 organized by UAF
International conference of biochemical and chemical Sciences	February 24-26,2014
“Workshop on Lead to Success”, University of Agriculture Faisalabad	March 7-8, 2014
14 <sup>th</sup> International Symposium on Advanced Materials. 2015.	12-16 October, 2015

### **FOREIGN TRAINING:-**

<b><i>TITLE</i></b>	<b><i>Oganizer</i></b>	
<i>Community based prevention, detection and response of all hazards training program</i>	<i>The center of agriculture and food security and preparedness. Institute of Agriculture The University of Tennessee USA.</i>	2016
<i>Enhanced learner centered pedagogical skills</i>	<i>Canada</i>	2024

### **INVITATION AS A GUEST:-**

<b><u>17<sup>th</sup> post graduate annual training course</u></b> <i>Safety measures and application of radiation and isotope in agriculture, health and industry</i>	<b><u>2011</u></b>

### **REFERENCES:-**

-  Dr. M. Anwar, Professor of Physics, Department of Physics, Air University, Islamabad.
-  Dr. Nasim Khalid Waraich, Principal Scientist, NIAB, Faisalabad.