

## **Dr. SYEDA JAVARIA KAZMI**

**Address:** Block # 13/1 E, street # 13, G-9/2, AGPR colony, Islamabad Pakistan

**D.O.B. :**07-02-1983

**Email:** see\_kazmi@hotmail.com

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### **PERSONAL PROFILE**

An extremely ambitious and confident individual eager to embark on a career ensuring personal and professional growth in the field of teaching.

### **RESEARCH INTERESTS**

- Electromagnetic wave absorbers
- Electromagnetic interference shields
- Magnetism and ferroelectricity
- Storage devices (Li-ion batteries & Supercapacitors)

### **SYSTEM & PROPERTIES**

- Nano Materials and Thin Films
- Structural, Morphological, Electronic, Transport, Optical, Dielectric, Ferroelectric, Ferromagnetic, Multiferroic and Magnetolectric Properties

### **RESEARCH THESIS/DISSERTATION**

#### **Ph.D Dissertation (2023)**

“Synthesis and Characterization of Carbon-Based Nanocomposites for Electromagnetic Wave Absorption”

(COMSATS University Islamabad, Pakistan)

### **RESEARCH THESIS/DISSERTATION**

#### **M.S. Dissertation (2012)**

“Synthesis and Characterization of Carbon Nanotubes for Biological Applications”

(COMSATS University Islamabad, Islamabad, Pakistan)

### **RESEARCH EXPERIENCE:**

- Ph.D Research Fellow, Department of Physics, COMSATS University Islamabad, Islamabad, Pakistan

**Sep 2016 to Aug 2023**

- Research Fellow, Physics Division, PINSTECH, Islamabad, Pakistan

**June 2021-Feb 2022**

- Research Fellow, Department of Physics, COMSATS University Islamabad, Islamabad, Pakistan

**July 2011-Aug 2012**

### **EXPERIMENTAL SKILL:**

Confidently working with

- ❖ Spin coater
- ❖ Ultra high vacuum chamber (UHV)
- ❖ Expert in solid state and wet chemical synthesis routes
- ❖ I-V measurements
- ❖ Raman Spectroscopy
- ❖ Photoluminescence (PL)
- ❖ Fourier Transform Infrared Spectroscopy (FTIR)
- ❖ Vibrating Sample Magnetometer (VSM)
- ❖ UV-VIS Spectroscopy
- ❖ Vector Network Analyzer (VNA)
- ❖ Box Furnaces, Tube Furnaces, Vacuum Oven

### **EMPLOYMENT/ EXPERIENCE:**

- Ph.D Research Fellow, Department of Physics, COMSATS University Islamabad, Islamabad, Pakistan

**Sep 2016 to Aug 2023**

- Lecturer, Department of Physics, Rawalpindi Women University, Rawalpindi, Pakistan

**Sep 2022-Feb 2023**

- Research Fellow, Physics Division, PINSTECH,  
Islamabad, Pakistan

**June 2021-Feb 2022**

- Research Fellow, Department of Physics, COMSATS University Islamabad, Islamabad,  
Pakistan

**July 2011-Aug 2012**

- **SST( Phy-Math)**  
Government Girls High School Mirpur, Abbottabad, Pakistan

**December 2015-Sep 2016**

- **SST( Phy-Math)**  
Government Girls High School Mirpur, Abbottabad, Pakistan

**June 2014- December 2015**

- **SST( Phy-Math)**  
The MEI Hamserhain Mansehra, Pakistan

**August 2012- April 2014**

- **Lecturer Physics (Taught O Levels Physics)**  
PakTurk International Schools & Colleges Islamabad, Pakistan

**April 2010 – Sep 2010**

- **Lecturer Physics**  
F.G. College for Women F-7/2, Islamabad, Pakistan

, Pakistan **Sep 2009 - March 2010**

**LIST OF PUBLICATIONS (IMPACT FACTOR: 10.959)**

1. PVDF/CFO-anchored CNTs ternary composite system with enhanced EMI shielding and EMW absorption properties Syeda Javeria Kazmi, M.Nadeem, Muhammad Asif Warsi, Sadia Manzoor, Babar Shabbir, Shahzad Hussain

Journal of Alloys and Compounds, 903, 163938 (2022)

First Author

2. PANI/CFO@CNTs ternary composite system for EMI shielding applications

Journal of magnetism and magnetic material, 563, 170037(2022)

First Author

3. Effect of Ag varied nanoparticles functionalized CNTs on its anti-bacterial activity against *E.coli*

Sensors and Actuators A: Physical, 216, 287–294 (2014)

First Author

4. Superior EMI shielding properties PANI/NFO@RGO and PANI/NFO@CNTs ternary composite systems

(Current status: To be submitted soon)

5. Enhanced EMI shielding and EMW absorption properties of PVDF/NFO-Fe<sub>2</sub>O<sub>3</sub>@CNTs quaternary system

(Current status: To be submitted soon)

### **EDUCATIONAL QUALIFICATION**

- **Ph.D (Physics)** (3.36 CGPA)  
COMSATS University Islamabad (2016 -2022)
- **MS (Physics)** (3.60 CGPA)  
COMSATS University Islamabad (2010 – 2012)
- **M.Sc (Applied Physics)** (3.48 CGPA)  
Federal Urdu University of Arts, Sciences and Technology Islamabad (2007 – 2009)
- **B .Sc. (Physics, Chemistry, Mathematics)** (2nd Div)  
F.G. College for Women F-7/2 Islamabad (2003 – 2005)
- **F.Sc (Pre Engg)** (2nd Div)  
F.G. College for Women F-7/2 Islamabad (1999 – 2001)
- **Matric (Science)** (A Grade)  
F.G. College for Women F-7/2 Islamabad (1997 – 1999)

### **ACHIEVEMENTS**

- I got 1<sup>st</sup> Position in MS.
- I got 4<sup>th</sup> Position in MSc.

## **INTERPERSONAL SKILLS**

- Self Motivated, Disciplined, and Dedicated
- Problem Solving and quick Decision Making Skills
- Adaptable, Versatile, and Challenge-oriented

## **COMPUTER SKILLS**

### **Operating Systems**

- . Windows NT, Windows XP, 95, 97, 98, 2000, 2007

### **Software Suites**

- . MS Word, Excel, PowerPoint

### **Languages**

- . MATLAB and C++

## **ACTIVITIES**

- Participated and attended 6<sup>th</sup> Vaccum and Surface Sciences Conference of Asia and Australia (VASSCAA-6) at Pak-China Friendship Centre, Islamabad-Pakistan
- Participated and attended the International Conference on Nanomaterials and Nano Ethics Lahore, Pakistan
- Pakistan workshop on electrochemical energy storage- Batteries & super capacitors, COMSATS University Islamabad
- TUD-CIIT international mini-school on Quantum and ultrafast optics, COMSATS University Islamabad

## **REFERENCES**

### **1. Prof. Dr. Sadia Manzoor**

Department of Physics

Ex-Chairperson, Department of Physics, CUI Islamabad.

Ex. Head of Department, Department of Physics, CUI Islamabad.

COMSATS University, Islamabad, Pakistan

Cell No. 92-51-9049302, E-mail: [sadia\\_manzoor@comsats.edu.pk](mailto:sadia_manzoor@comsats.edu.pk)

### **2. Dr. Shahzad Hussain**

Department of Physics

Assistant professor, Department of Physics, CUI Islamabad.

COMSATS University, Islamabad, Pakistan

In-charge BS (Physics) Program

Cell # 92-345-5124128, E-mail: [shahzad.hussain@comsats.edu.pk](mailto:shahzad.hussain@comsats.edu.pk)

