

**Imran Khan**

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**Mobile: +91-7017794558**

## **OBJECTIVE**

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A deeply committed and enthusiastic student having first master's in physics and second master in Nanotechnology, looking forward to opportunities to Nanomaterials and Material Science research work.

## **RESEARCH INTERESTS**

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Nanomaterials, Optics, Optoelectronics devices, Photocatalysis, Photonics, 2D Nanomaterials, Sensors, Energy storage devices.

## **EDUCATION**

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**Jamia Millia Islamia, Okhla, New Delhi** 2020 -2022  
Master of Technology (Nanotechnology) CGPA: 9.38/10

**Jamia Millia Islamia, Okhla, New Delhi** 2018- 2020  
Master of Science (Physics) CGPA: 8.36/10  
Specialization: Laser Spectroscopy

**Aligarh Muslim University, Aligarh India** 2015-2018  
Bachelor of Science (Physics) CGPA: 7.18/10

**Iqra Public School, Aligarh, India** 2013 - 2014  
XII Percentage:75

**Iqra Public School, Aligarh, India** 2010 -2011  
X CGPA: 8.80/10

## **RESEARCH EXPERIENCES**

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### **➤ Design and Development of Humidity Sensors**

**Supervisor:** Prof. Saikh Safiul Islam Jamia Millia Islamia, Jamia Nagar, New Delhi, India (July 2021 – July 2022).

### **➤ Tuning Structural Morphological and Optical Properties of Tricomposite Layer by Layer deposition of Multi walled carbon nanotubes and Nanoflowers of $\text{Si}_2\text{TiO}_{2(1-X)}$ .**

**Supervisor:** Dr. Rana Tabassum, Jamia Millia Islamia, Jamia Nagar Okhla New Delhi, India (Oct 2019 – Apr 2020).

➤ **Electromagnetic Induction**

**Supervisor:** Dr. Tufail Ahmad, Aligarh Muslim University, Aligarh, India (Aug 2018 – Nov 2019)

## **LIST OF PUBLICATIONS**

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1. Yugeswari, B., Khan, I., Kumar, M. S., Vijayanandam, N., Devarani, P. A., Anandaram, H., ... & Misganaw, W. (2022). Role of carbon-based nanomaterials in enhancing the performance of energy storage devices: Design small and store big. *Journal of Nanomaterials*, 2022. <https://doi.org/10.1155/2022/4949916>

## **ONLINE CERTIFICATE COURSES**

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- Quantum computing from Udemy.
- Nanotechnology: A maker's course from Duke University, NC State University, The University of North Carolina at Chapel Hill.
- Nanotechnology and Nano sensors from Israel Institute of Technology.

## **CONFERENCES**

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- Attended Conference on "Advance Materials and Their Pathways (AMTP-2021)" organized by Department of Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad.
- Attended National Conference on "Emerging Techniques in Polymers "organized by Division of Chemistry, Department of Sciences and Humanities (S&H), VFSTR (deemed to be University) on 12th June 2021.
- Attended INDO- US Conference and lecture series held from June 1-9, 2021, organized by Department of Chemistry, Jamia Millia Islamia, New Delhi under the aegis of Ministry of Education, Govt. of India in collaboration with Texas A&M University, USA.

## **LAB SKILLS**

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- SEM, TEM, XRD, CVD

## **DIGITAL SKILLS**

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➤ PYTHON, FORTRAN, ORIGIN, SOLIDWORKS

## **ACADEMIC REFEREES**

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### **Dr. Aurangzeb Khurram Hafiz**

Centre for Nanoscience and Nanotechnology,  
Jamia Millia Islamia,  
Jamia Nagar,  
New Delhi-110025  
Email: ahafiz@jmi.ac.in

### **Dr. Pumlianmunga**

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Jamia Millia Islamia,  
New Delhi-110025  
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I solemnly declare that the above statements made by me in this form are correct to the best of my knowledge.

(Imran Khan)