

Curriculum vitae

PERSONAL INFORMATION

Muhammad Abdullah Iqbal

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EDUCATION AND TRAINING

03/09/2019–Present

Doctor of Philosophy in Material Sciences

EQF level 8

Xi'an Jiaotong University, Xi'an (China)

Research Area;

Batteries and Super-capacitors

08/09/2014–28/08/2017

Master of Science in Physics

EQF level 7

National University of Sciences and Technology, Islamabad (Pakistan)

Thesis titled; "Synthesis and Characterization of Novel Bismuth Ferrite-MXene Nanohybrids and their Applications in Catalysis"

CGPA: 3.25/4.00

29/10/2009–26/05/2014

BS (Hons) in Physics

EQF level 6

University of Gujrat, Gujrat (Pakistan)

Thesis titled; "Deposition and Study of Aluminum Doped ZnO Thin Film by Sol-gel Spin Coating"

CGPA: 3.20/4.00

WORK EXPERIENCE

01/03/2019–28/08/2019

Lecturer Physics (Visiting)

Federal Urdu University of Arts, Sciences and Technology, Islamabad (Pakistan)

Courses:

1. Material Sciences - BS 8th Semester
2. Basic Electronics Lab - BS 6th Semester

01/05/2019–30/06/2019

Freelance Venue Staff Invigilator

British Council Pakistan, Islamabad (Pakistan)

Invigilation in the Exams Venue, Handling of the Exam Materials,

Taking care of Students in the Exam Hall. Setting up the exam halls and branding the walls with notices and directions.

23/09/2017–09/09/2018

Lecturer Physics

Dr. Rashad Degree College, Pakistan Oil Fields, Khaur, Attock (Pakistan)

Courses:

1. Heat and Thermodynamics - BS
2. Basic Electronics - BS
2. College Physics - High School Certificate

3. Fluid Mechanics - Diploma in Petroleum

15/09/2015–28/08/2017 **University Research Assistant**

School of Natural Sciences, National University of Sciences and Technology, Islamabad (Pakistan)

12/09/2016–11/06/2017 **Lab Demonstrator**

School of Natural Sciences, National University of Sciences and Technology, Islamabad (Pakistan)

To demonstrate the Undergraduate Physics Experiments to the students of SNS, SMME, SEECS and IESE.

28/01/2017–03/03/2017 **Research Intern**

University of Texas at Austin, Austin (United States)

Research Visit to characterize the samples in Akinwande Deji's Lab at Microelectronic Research Center, UT Austin

PERSONAL SKILLS

Mother tongue(s) Urdu

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	B2	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Gained through teaching experience,
- and by working in the volunteer and social organisations as a subject career counselor.

Organisational / managerial skills

Worked as facilitator for many leadership and management training sessions held in Islamabad and Murree.

Job-related skills

Co-Supervised the group of 3 students for their Bachelors Project at Federal Urdu University of Arts, Sciences and Technology.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Independent user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

- Good command of Office Suit (Word, Excel, Power Point)
- Good command on softwares like Endnote, XRD Jade, Xpert Highscore, Origin and UV Measurement applications.

Other skills

- Active member of Hiking clubs, usually hike at Margala Hills Islamabad and Mushkpuri Track Murree.
- I like to play Cricket and Table tennis. Play Video games on my XBOX.

- Currently reading "Book Thief" by Markus Zusak.

ADDITIONAL INFORMATION

Publications

1. "Ti₃C₂-MXene/Bismuth Ferrite Nanohybrids for Efficient Degradation of Organic Dyes and Colorless Pollutants"

M. Abdullah Iqbal, Ayesha Tariq, Ayesha Zaheer, Sundus Gul, S. Irfan Ali, Muhammad Z. Iqbal, Deji Akinwande, and Syed Rizwan

ACS Omega **2019** 4 (24), 20530-0539

2. La- and Mn-Codoped Bismuth Ferrite/Ti₃C₂ MXene Composites for Efficient Photocatalytic Degradation of Congo Red Dye

M. Abdullah Iqbal, S. Irfan Ali, Faheem Amin, Ayesha Tariq, Muhammad Z. Iqbal, and Syed Rizwan

ACS Omega **2019** 4 (5), 8661-8668

Conferences

- International Conference on Nano-Composites and Multi-Functional Materials – NUST, Islamabad, August 2017.

- Presented poster at "14th National Symposium on Frontiers in Physics, at GC University, Lahore, Pakistan, 21-23 November 2016".

- 2nd International Symposium on "Applied Materials & Nano-devices" - National Institute of Lasers & Optronics, Islamabad, November 2016.

- Attended Summer school on "Quantum Information International School" 27-30, August 2016 at Habib University, Karachi.

- Presented poster at "International Scientific Spring 2014, March 14-16, 2014" at NCP Complex, Islamabad, Pakistan.

-Global Youth Leadership Council (CASC USA, UCAS UK) 4 Days Conference in UOG, Punjab Pakistan.

Honours and awards

1ST POSITION ENVIRONMENTAL PROJECT MELA 2018
National Cleaner Production Center, Islamabad, Pakistan

MOST DYNAMIC STUDENT OF THE YEAR 2013
Dept. of Physics, University of Gujrat (UOG), Pakistan