

Maria Hasan

 **Home** : H.#144A, Street 6(East), Shabbir lane. Near savor, kainat travel, Peshawar road, Rawalpindi, Pakistan, Rawalpindi, Pakistan

 **Email:** maria.hasan10@yahoo.com

Date of birth: 05/10/1989 **Nationality:** Pakistani

WORK EXPERIENCE

[03/11/2020 – Current]

Chemistry lecturer

National university of science and technology, Islamabad , Pakistan

- Instruct undergraduate students in field of chemistry.
 1. Prepare and deliver lectures, prepare exam and grade papers.
- Prepared university admission test exam in chemistry
 1. Prepared multiple choice questions
 2. Conduct research in my field of specialty
 3. Publish papers, wrote projects

EDUCATION AND TRAINING

[01/11/2021 – 02/11/2021]

Outcome Based Education (OBE) training

National university of science and technology, Islamabad, Pakistan <https://nutech.edu.pk/>

Field(s) of study: Phd chemistry

Final grade: 3.69

Thesis: Doping Graphene Sheets Grown by Chemical Vapor Deposition Synthesis and the Influence of Nitrogen, Oxygen and Bromine Dopants on Electrical Resistance

[02/09/2013 – 03/08/2020]

PhD

School of Natural Sciences National university of Science and Technology , Islamabad, Pakistan <https://sns.nust.edu.pk/departments/department-of-chemistry/>

City: Islamabad

Country: Pakistan

[01/09/2011 – 02/09/2013]

Master of Philosophy

Quaid e Azam University <https://qau.edu.pk/>

City: Islamabad

Country: Pakistan

[2009 – 2011]

Master of Science

Quaid e Azam University <https://qau.edu.pk/>

City: Islamabad

Country: Pakistan

[2007 – 2009]

Bachelor of Sciences

University of the Punjab <http://www.pu.edu.pk/>

City: Islamabad

Country: Pakistan

[2004 – 2007]

Fellow of Sciences

Army Public college

City: Attock

Country: Pakistan

[2001 – 2003]

SECONDARY SCHOOL CERTIFICATE

Fauji Foundation Model School

City: Attock

Country: Pakistan

LANGUAGE SKILLS

Mother tongue(s): Pashto

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Urdu

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Excel | Microsoft Powerpoint | Facebook | Google Drive | Microsoft Word

origin pro, 3D animation using blender, Photoshop,

PUBLICATIONS

[2023]

Crystal structure, synthesis and characterization of different chromium-based two-dimensional compounds.

[2021] **Quasistatic Equilibrium Chemical Vapor Deposition of Graphene.**

[2021]

Direct Synthesis of Large-Area Al-doped Graphene by Chemical Vapor Deposition: Advancing the Substitutionally Doped Graphene Family.

[2021] **Graphene Transfer Methods: A Review.**

[2020]

Advances and Trends in Chemically Doped Graphene. Advanced Materials Interfaces,

[2019]

Synthesis of Doped Porous 3D Graphene Structures by Chemical Vapor Deposition and Its Applications.

[2019]

Low pressure chemical vapor deposition synthesis of large area hetero-doped mono- and few- layer graphene with nitrogen and oxygen species.

[2019]

Direct chemical vapor deposition synthesis of large area single-layer brominated graphene

[2018]

Evaluation of the mobility and pollution index of selected essential/toxic metals in paddy soil by sequential extraction method.