



Abdul Samad Butt

Nationality: Pakistani **Date of birth:** 14/10/1994 **Gender:** Male

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Work: Office # 8150, Level 1, Arzanah Building SAN Campus, Khalifa University, Abu Dhabi (United Arab Emirates)

ABOUT ME

"Without hard work, nothing grows but weeds." – Gordon B. Hinckley
"True happiness involves the full use of one's power and talents." – John W. Gardner

WORK EXPERIENCE

Research Scholar

Khalifa University [17/01/2022 – Current]

City: Abu Dhabi | Country: United Arab Emirates

Temporary Visiting Faculty

School of Mechanical and Manufacturing Engineering, NUST [06/09/2021 – 12/01/2022]

Country: Pakistan

Teaching Courses of Applied Chemistry to UG students.

Temporary Visiting Faculty

School of Natural Sciences [05/03/2020 – 19/01/2022]

City: Islamabad | Country: Pakistan

Teaching CH-103 General Chemistry to UG students.

Designed Lab Experiments for following courses

- CH-103 (General Chemistry)
- CH-111 (Fundamentals of Analytical Chemistry)
- CH-150 (fundamental of Inorganic Chemistry)
- CH-210 (Analytical Chemistry-I)
- CH-250 (Inorganic Chemistry-I)
- CH-280 (Fundamentals of Physical Chemistry)
- CH-311 (Analytical Chemistry-II)
- CH-351 (Inorganic Chemistry-II)

Chemistry lecturer

GPC, Jhelum [26/12/2016 – 10/02/2017]

Country: Pakistan

Taught courses of Industrial Chemistry and Environmental Chemistry.

EDUCATION AND TRAINING

PhD In Chemistry

Khalifa University [17/01/2022 – Current]

City: Abu Dhabi | Country: United Arab Emirates

Master of Science in Chemistry

National University of Science and Technology

Address: 44000 Islamabad, (Pakistan) | Field(s) of study: Natural sciences, mathematics and statistics: • Chemistry
| Final grade: 3.35/4 | Thesis: Synthesis of MOF derived Nano-Particles and their Electrochemical sensing of Dopamine.

My studies were focused on the Synthesis of Metal-Organic Framework, derivation of Nano-particles from them and study of their Electro-chemical properties.

Bachelor of Science in Chemistry

University of Gujrat (Jhelum Campus)

Address: 49600 Jhelum, (Pakistan) | Field(s) of study: Natural sciences, mathematics and statistics: • Chemistry
Final grade: 3.31/4.0

- Specialization in Organic Chemistry with minors in Inorganic Chemistry, Analytical Chemistry, Environmental Chemistry.

DIGITAL SKILLS

Microsoft Office / Origin (Origin Pro 8) / Gamry Instruments / Gamry Framework / Echem Analyst / Essential FTIR software / Xpert HighScore

PUBLICATIONS

[2021]

[HfO₂-CoO Nanoparticles for Electrochemical Dopamine Sensing](#)

CONFERENCES AND SEMINARS

[20/04/2024] Al Ain, U.A.E

Presentation talk in UAE Graduate Students Research Conference 2024

Title: Optimization of Copper-Fumarate Frameworks for Selective Adsorption of H₂S

[19/03/2023 – 20/03/2023] Abu Dhabi- U.A.E

Poster Presentation in UAE Graduate Students Research Conference 2023

Title: Synthesis of Metal Organic Frameworks for selective adsorption and separation of H₂S

Presented a poster in an International Conference on Hydrazine Sensing, held at GCU Lahore.

Presented a poster in an International Conference on Dopamine Sensing, held at NUST Islamabad

RECOMMENDATIONS

Name: **Dr. Manzar Sohail** | Supervisor

Professor, Department of Chemistry

National University of Sciences and Technology (NUST)

School of Natural Sciences, H-12, Islamabad

Email: manzar.sohail@sns.nust.edu.pk | Phone number: (+92) 5190855596

Name: **Dr. Adil Mansoor** | Teacher

Associate Professor, Department of Chemistry

National University of Sciences and Technology (NUST)

School of Natural Sciences, Sector H-12, Islamabad, Pakistan

Email: adil.mansoor@sns.nust.edu.pk | Phone number: (+92) 5190855601

HONOURS AND AWARDS

Winner of US-Pakistan Knowledge Corridor Scholarship

HEC Overseas Scholarship

Receiver of Prime Minister Laptop Scholarship during MS.

Awarded Laptop by Chief Minister Punjab during BS.

Best Player-Basket Ball (region)

Secured 2nd position in Debate competition (10 Corps).

Won Scholarships in School

ORGANISATIONAL SKILLS

International workshop on Carbon Nanomaterials Based Biosensors (2017)

Organized the above said One Day workshop by the joint venture of PSF-NNSFC, SNS NUST Islamabad and School of Physics and Optoelectronic Dalian University of Technology China.