

PERSONAL INFORMATION

Syed Hammad Gillani

WORK EXPERIENCE

- (10/2024 – Today) **Research Fellow in the Department of Chemistry, Sapienza University of Rome**
- Development of sustainable synthesis processes for the production of electrode materials for use in energy storage devices.
 - Synthesis of nanostructured electrodes for the electrochemical reduction of carbon dioxide.
- (05/2017 -07/2024) **Assistant Professor Chemistry**
- Askaria Education System, Rawalpindi, Pakistan
- Course curriculum and lecture planner preparation.
 - Supervision of the laboratory work.
 - Managing support activities, trips, functions and group discussion.
 - Maintaining paper pattern, marking as per final examination criteria and record keeping.
- (09/2015 – 08/2017) **Quality Control Analyst**
- Davis Pharmaceutical Laboratories Islamabad, Pakistan
- Testing and analysis of raw materials, intermediates and finished products using current pharmacopoeias and instrumental techniques (HPLC & UV), as appropriates.
 - Stability testing of products for new formulation & ongoing stability trials using physical (pH, viscosity) & instrumental (HPLC & UV) techniques, as appropriates.
 - Writing/reviewing Standard Operating Procedures (SOPs).
 - Supporting all QC activities.

EDUCATION AND TRAINING

- (01/012018 – 08/12/2020) **Master Degree in Chemistry from the Allama Iqbal Open University, Islamabad**
- 1-year Master degree in Chemistry** Course main components: Advance stereo chemistry, Reactive intermediate, Natural Products, Retro Analysis of organic compounds, Organometallic compounds, Medicinal Chemistry, Nuclear magnetic resonance Spectroscopy, Organic Polymer.
- 2- year Master degree in Chemistry with a Thesis:** "Synthesis and characterization of NiO/NiS/NiP nanocomposites for oxygen evolution reaction."
- Main Techniques:** FTIR, UV-Vis, SEM, XRD, CV, LSV, EIS. CP, GCD
- (01/08/2011 – 31/12/2015) **Bachelor Degree in Chemistry from the University of Gujarat, Pakistan**

B.S(Hons.) in Chemistry Course main components: Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Spectroscopy

PERSONAL SKILLS

Mother tongue(s) Urdu

Other language(s)

Replace with language

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
English Proficiency Certificate (Higher Degree Institute)				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Teamwork
- Scientific integrity
- Collaboration for research
- Determination
- scientific writing
- Punctuality
- Attention to Details

Job-related skills

- X-ray Powder Diffraction (XRD)
- Scanning Electron Microscope (SEM)
- Ultraviolet-Visible Spectroscopy (UV-Vis)
- Fourier-transform infrared spectroscopy
- Galvanostatic charge discharge
- Chronoamperometry
- Cyclic Voltammetry (CV)
- Electrochemical-impedance spectroscopy

Digital skills

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

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Good knowledge of Microsoft Office™ tools (Microsoft Excel, Microsoft Word, Microsoft Power Point)
- Good knowledge of Origin
- Good knowledge ChemDraw
- Good knowledge EndNote

Driving licence Active for Motorbike, Car, Jeep

ADDITIONAL INFORMATION

Publications

- "Gillani, S. H., Sohail, M., El Maati, L. A., Altuijri, R., Zairov, R., Nazar, M. F., & Ahmad, I. (2024). An efficient NiO/NiS/NiP heterostructure catalyst for oxygen evolution reaction. Journal of Alloys and Compounds, 976, 172931. 8/02/2024

Conferences

- As a speaker in 6th International Conference on "Recent Trends in Chemistry" "An efficient NiO/NiS/NiP catalyst for oxygen evolution reaction" at AIIOU Islamabad.
- As a participant in the 5th International Chemistry Conference on "Recent Trends in Chemistry" held at AIIOU Islamabad.
- As a participant in the 3rd International Chemistry Conference on "Recent Trends in Chemistry" held at AIIOU Islamabad.

Honours and awards

- Won Laptop award from Pakistan Prime Minister merit-based scheme 2013.

References

- Dr. Zaman Ashraf (Professor Chairperson Chemistry) Department of Chemistry Rawalpindi Women University.
Email: zaman.ashraf@f.rwu.edu.pk
- Dr. Iqbal Ahmad (Assistant professor) Department of Chemistry Allama Iqbal Open University Islamabad, Pakistan.
Email: iqbalahmadchem@gmail.com

ANNEXES