

## **KASHIF GUL, PhD, Postdoctoral Fellow (Fulbright).**

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University of Peshawar, Peshawar  
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Scopus Author ID: <https://www.scopus.com/authid/detail.uri?authorId=36091114800>

### **PROFESSIONAL SUMMARY**

Analytical and environmental chemist with expertise in chromatographic analysis, nanomaterials, adsorption, and photocatalytic degradation of pollutants. Over 15 years of academic and research experience at the University of Peshawar, with international collaborations and a focus on sustainable environmental monitoring and remediation.

### **RESEARCH INTEREST**

- Environmental Analytical Chemistry
- Environmental Occurrence and Fate of Emerging Contaminants
- Adsorption and Remediation of Organic Contaminates and Pesticides
- Chromatographic Techniques
- Ionic Liquids
- Environmental Analytical Techniques
- Graphene and Derivatives
- Photocatalytic Degradation

### **RESEARCH METRICS**

- Citations: ~2225
- Publications: 60+ peer-reviewed articles
- International collaborations: Brazil, USA, Saudi Arabia, Europe

### **ACADEMIC QUALIFICATION**

- **Postdoctoral Fellow (Fulbright), 2023**  
Department of Plant, Soil and Microbial Sciences  
Michigan State University, USA
- **PhD Chemistry, 2011**  
Universidade Federal de Santa Maria (UFSM), Brazil
- **M.Phil Chemistry, 2008**  
Institute of Chemical Sciences, University of Peshawar

- **M.Sc Chemistry, 2003**  
Institute of Chemical Sciences, University of Peshawar
- **B.Sc, 2001**  
Islamia College Peshawar

## ACADEMIC POSITIONS

- **Assistant Professor**, Institute of Chemical Sciences, University of Peshawar (2024–Present)
- **Assistant Professor (Teaching Assignment)**, Department of Environmental Sciences, University of Peshawar (March 2026–Present)
- **Assistant Professor**, Department of Environmental Sciences, University of Peshawar (2021–2024)
- **Assistant Professor**, Institute of Chemical Sciences, University of Peshawar (2011–2021)
- **Teaching Assistant**, University of Peshawar (2004–2008)

## PUBLICATIONS (SELECTED PEER-REVIEWED ARTICLES)

(Full list: 60+ publications; selected high-impact papers below)

1. Zahid, K. et al., **Gul, K.** (2026). Magnetic nanocomposite for dye removal. *J. Dispersion Sci. Technol.*
2. Saeed, R. et al., **Gul, K.** (2025). Photocatalyst for dye degradation. *J. Mol. Struct.*
3. Azevedo, M. et al., **Gul, K.** (2025). Silver nanoparticles from pineapple peel. *Chemical Papers*
4. Zia, T. et al., **Gul, K.** (2025). Dielectric nanocomposites. *Mater. Chem. Phys.*
5. Oliveira, Y. et al., **Gul, K.** (2025). Green synthesis of nanoparticles. *Discover Applied Sciences*
6. Ullah, F. et al., **Gul, K.** (2023). Gold nanoparticle catalysis. *Z. Phys. Chem.*
7. Ara, B. et al., **Gul, K.** (2023). MOF-based photocatalysis. *Z. Phys. Chem.*
8. Sohni, S. et al., **Gul, K.** (2023). Graphene biochar adsorbent. *Ind. Crops Prod.*
9. Khan, H. et al., **Gul, K.** (2022). Cement composites from waste materials. *Environ. Sci. Pollut. Res.*
10. Ullah, T. et al., **Gul, K.** (2022). Fluoroquinolone removal. *Chemosphere*
11. **Gul, K.** et al. (2020). Malachite green adsorption. *Sep. Sci. Technol.*
12. Khan, H. et al., **Gul, K.** (2020). Adsorption studies of acrylic acid. *J. Environ. Chem. Eng.*
13. Ara, B. et al., **Gul, K.** (2020). Ion-imprinted polymer for metal removal. *Desalination Water Treat.*
14. Ahmad, I. et al., **Gul, K.** (2018–2016). Catalytic pyrolysis and fuel production series. *Energy & Fuels / J. Anal. Appl. Pyrolysis*
15. **Gul, K.** et al. (2016). Graphene oxide-chitosan nanocomposite. *Carbohydr. Polym.*

Full list (60 publications) available in Google Scholar profile above.

## SPONSORSHIPS/HONORS

- Recipient of Research Grant under **National Research Program for Universities (NRPU)** from Higher Education Commission (**HEC**) Pakistan. (Rs. 7,021,150/-)
- Award of fellowship by Conselho Nacional de Desenvolvimento Científico e Tecnológico and The World Academy of Sciences (**TWAS-CNPq Postgraduate Fellowship Brazil**) for PhD.
- Letter of Appreciation from **United State Education Foundation (USEFP)** for Cooperation during the academic function at University of Peshawar on April 17-18, 2007.
- Letter of Appreciation from **Japanese Embassy Islamabad** for Cooperation during an Exhibition held at Sir Syed Abdul Qayyum Museum, University of Peshawar from 30 January to 1 February, 2003.
- Project Team Member in the International POPS Elimination Project (IPEP), South Asia.
- Consultant in the Sustainable Development policy institute project “Physical verification and study of contamination of soil and water in and surrounding areas of abandoned persistent organic pollutant (DDT) factory in North West Frontier Province (NWFP) Pakistan”.

#### **COURSES TAUGHT AT DEPARTMENT OF ENVIRONMENTAL SCIENCES**

- |                       |                                       |
|-----------------------|---------------------------------------|
| • ES-313:             | Basic Chemistry-I                     |
| • ES-322:             | Basic Chemistry-II                    |
| • ES-444:             | Environmental Chemistry-I             |
| • ES-561:             | Environmental Chemistry-II            |
| • ENV.SCI-776/ENS-812 | Organic Pollution and Climatic Change |
| • CHEM 717:           | Environmental Chemical Analysis       |
| • CHEM 720:           | Advance Instrumental Techniques       |

#### **COURSES TAUGHT AT INSTITUTE OF CHEMICAL SCIENCES, UNIVERSITY OF PESHAWAR**

- |             |                                        |
|-------------|----------------------------------------|
| • CHEM 802: | Special Topics in Analytical Chemistry |
| • CHEM 902: | Advance Chromatographic Techniques     |
| • CHEM-412: | Electrochemical Methods                |
| • CHEM-417: | Advanced Chromatography                |
| • CHEM-141: | Environmental Chemistry                |
| • CHEM-311: | Analytical Chemistry                   |

#### **CONFERENCES/PRESENTATION/WORKSHOP**

- Participated in “Fulbright Visiting Scholar Workshop on Scientific Manuscript Publishing & Peer Reviews” Virtual Training, December 12, 2023.
- Participated in “Fall 2023 Cleveland Fulbright Scholar Enrichment Seminar” held at Cleveland Ohio December 05-08, 2023.
- Participated in “Introduction to Professional Grant Development Workshop” fall 2023 held on November 15-16, 2023.
- Participated in “29th National & 17th International Chemistry Conference (CHEMCON-2018)” held at Bara Gali Summer Campus University of Peshawar September 06-08, 2018.

- Participated in “27th National and 15th International Chemistry Conference (CHEMCON-2016)” held at University of Malakand, Chakdara, KP, Pakistan August 22-25 2016.
- Guest speaker at College of Home Economics, University of Peshawar, February 2016. “Environmental Chemistry”
- Three days Training Workshop on “Data treatment by SPSS software” September, 2014 at Teachers Community Centre (TCC) organized by Peshawar University Teacher’s Association (PUTA).
- Participated in “Recent Trends in Analytical Chemistry” April 3-5, 2012, COMSTECH, Islamabad, Pakistan.
- Participated in “Workshop on 4-year BS Chemistry” program held at Bara Gali Summer Campus University of Peshawar June 30- July 04, 2011.
- Participated in “III Encontro Sobre Selenio e Telurio (III ESeTe)” November 29-December 2, 2010. 13<sup>th</sup> Brazilian Meeting on Organic Synthesis, August 31-September 4, 2009.
- Guest Speaker in “Ninth Symposium on Analytical and Environmental Chemistry” July 24-26, 2006.
- Participated in “1<sup>st</sup> International and 11<sup>th</sup> National Chemistry Conference (CHEMCON-2000)” April 10-14, 2001.
- Guest speaker at the Institute of Chemical Sciences, University of Peshawar on April 20, 2007. “Persistent organic pollutant and its determination”
- “Panel Discussion” on POPS in the Senate Hall of University of Peshawar on May 5, 2006.

## PROFESSIONAL ACTIVITIES

- Organizer and Resource Person in “Two Day National Workshop on Bioanalytical Techniques” held on 25-26 April 2019.
- Organizer Conference on “Knowledge-based Economy (KE) and Social Sciences in Pakistan: Problems and Prospects” held on 30-31 January 2019.
- Organizer in “2<sup>nd</sup> National Criminology Conference on “Contextualizing Challenges in Criminology and Criminal Justice system in Pakistan” held on 4-6 November 2019.
- Organizer and Participant in “1<sup>st</sup> National Conference on Institutionalizing Criminology in Pakistan: Issue & Challenges” held on 26-28 December 2018.
- Resource Person and Coordinator 29th National & 17th International Chemistry Conference (CHEMCON-2018) held at Bara Gali Summer Campus University of Peshawar September 06-08, 2018.
- Organizing secretary in 3<sup>rd</sup> spring research poster exhibition held in Institute of Chemical Sciences University of Peshawar on 7<sup>th</sup> march 2012
- Member of organizing Committee “2<sup>nd</sup> Symposium on Recent Trends in Indigenous Chemical Research and Awareness on Data Presentation Skills” held at Bara Gali Summer Campus University of Peshawar July 01-05, 2012
- Organizing secretary in 2<sup>nd</sup> spring research poster exhibition held in Institute of Chemical Sciences, University of Peshawar on 9<sup>th</sup> march 2011
- Member of Organizing Committee of the “Workshop on 4-year BS Chemistry” program held at Bara Gali Summer Campus University of Peshawar June 30- July 04, 2011.

## **SOCIETIES, ASSOCIATIONS AND BOARD MEMBERSHIPS**

- Member, American Chemical Society: Washington D.C. USA.
- Member, The Royal Society of Chemistry: London, UK
- Member. Board of Studies, Department of Environmental Sciences, University of Peshawar, 2021- till date.
- Member, Board of Faculty of Life and Environmental Sciences, University of Peshawar, 2012-2016.
- Member, Board of Studies, Institute of Chemical Sciences, University of Peshawar, 2012-2016
- Member, Proctorial Board, University of Peshawar, 2012-2020.
- Member, Peshawar University Teacher's Association (PUTA), since 2012

## **REVIEWING ACTIVITIES**

- ACS Omega
- ACS Applied Materials & Interfaces
- ACS Industrial & Engineering Chemistry Research
- Biomass Conversion and Biorefinery
- Chemosphere
- Desalination and Water Treatment
- Journal of Environmental Chemical Engineering
- Carbohydrate Polymers
- International Journal of Analytical Chemistry
- Coloration Technology