

Dr. Fahmida Jabeen

Assistant Professor
Institute of Chemical Sciences
Bahauddin Zakariya University, Multan
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Date of Birth: 20th June 1986

Education

2011-2015 PhD (Chemistry) on “Fabrication of Rare-Earth Metal Oxides Based Materials for Investigation of Phosphoprotein/Peptides Signatures in Biological Fluids”
Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan.

Field of Specialization: Analytical Chemistry

2009-2011 M. Phil (Analytical Chemistry) on “Rapid and selective enrichment of phosphopeptides by Silica-Lanthanum oxide composite”
Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan.

Field of Specialization: Analytical /Inorganic Chemistry

Result: 1st Division/3.76 CGPA

2005-2009 B.S Hons (Chemistry)
Department of Chemistry, Lahore College For Women University, Lahore, Pakistan.

Field of Specialization: Analytical/Inorganic Chemistry

Result: 1st Division/3.65 CGPA

2002-2004 F. Sc. HSSC (Pre-Medical)

B. I. S. E. Lahore

Result: 1st Division/77.8%/First Class

2000-2001 Matriculation SSC (Science)

B. I. S. E. Multan

Result: 1st Division/84.8%/First Class

Professional/Academic Experience

1. Assistant Professor under TTS (Teaching/Research) at the Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan (11-11-2021 till present)
2. Assistant Professor under IPFP (Teaching/Research) at the Department of Chemistry, The Women University, Multan, Pakistan (15-09-2019 – 16-09-2019)
3. Predoctoral Position (6 Months) by Austrian Federal Ministry of Science and Research (BMWF), September 2013 – February 2014.
4. Follow up visit (3 Months) by Austrian Federal Ministry of Science and Research (BMWF), June 2015 – August 2015.
5. Ph.D. Scholar and Instructor Practical and Research work at Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan (01-01-2012 – 07-03-2015).

Industrial Collaboration

Assistant Director at AB Research and Development Centre, Multan under the umbrella of SOS Foundation Pakistan

Research Interests

Analytical Chemistry; Separation Science; HPLC; Solid Phase Extraction (SPE); In-Tip strategies; Cancer cell deaths; Drug delivery; Desalting; Metal organic frameworks (MOFs); Polymeric Stationary Phases; Polymeric Composites; Nanocomposites; Graphene Chemistry; MALDI/TOF-MS; Nanomaterials and Nanotechnology; Proteomics; Phospho-proteomics; Glyco-proteomics; Lipo-proteomics; Sulfo-proteomics; Peptidomics; Lipidomics; Metallo-proteomics; Biomarker strategies; Protein Profiling by MELDI-MS (Material-Enhanced Laser Desorption/Ionization Mass Spectrometry); In-Tip & On-Target Extraction Strategies; Nanoparticles Characterization by MALDI-MS; Insulin/Estrogens in cancers; Tissue Proteomics.

Research Expertise

Analysis of biological molecules, target affinity and protocol designing, gene ontology, oncogenetics via BioMuta and proteomics tool, expertise in different proteomics and biomarker related softwares and databases.

Research Supervision

M Phil / MS

As Supervisor

1. Extraction of Valuable Metals from Depleted Li-ion Batteries (LiBs) (Muhammad Hamza Nazeer, MPH-C-22-69)
2. Fabrication of Titania based Monolith for Photocatalytic Water Filtration (Rahma Abuzar MPH-C-22-70)
3. Development of Fe₃O₄@CQDs@HA as Cell Imaging Probe for CD44 Over Expressed Cancer Stem Cells (Sidra Siddique MPH-C-22-10)
4. Bio-sensing of Low Density Lipids (LDL) through MNP@CH from blood plasma (Maham Kainat Javed, MPH-C-22-80)
5. Non-invasive biosensing of Gelatinases through ZnO/Gelatin NPs (Ayema Saeed, MPH-C-22-03)
6. Tungsten oxide based Calorimetric Indicator for Application in Smart Food Packaging (Muhammad Asad Nawaz, 2021-2023)
7. Synthesis and Characterization of Ovotransferrin and 5FU pro-drug complex (Samreen Ashraf, 2021-2023)

(As-Co supervisor)

1. Synthesis of magnetic Poly AGE/ DVB for enzyme immobilization (Farwa Sajjad, 2017-2019)
2. Tryptic digestion of protein by immobilizing enzyme on magnetic 1,2- Epoxy -9-Decane/DVB copolymer.(Rida Shakeel, 2017-2019)
3. Microwave assisted protein digestion Trypsin immobilization on magnetic chitosan ZIF8 (Sana Naz, 2020-22)
4. Enzyme immobilization on MOF as template (Inshra, 2020-22)

Awards / Achievements

- HEC Outstanding Research Award 2013/2014; "Best Research Paper Award" on Newly Developed Poly(Allyl Glycidyl Ether/Divinyl Benzene) Polymer for Phosphopeptides Enrichment and Desalting of Biofluids, by Higher Education Commission (HEC), Pakistan
- HEC Outstanding Research Award 2012; "Best Research Paper Award" on Silica–Lanthanum Oxide - Pioneer Composite of Rare-Earth Metal Oxide in Selective Phosphopeptides Enrichment, by Higher Education Commission (HEC), Pakistan

- Indigenous Ph.D. Fellowship for 5000 Scholars (03 years) by Higher Education Commission Pakistan from 2012 to 2015.
- Predoctoral Position (6 Months) by Austrian Federal Ministry of Science and Research (BMWF), September 2013 – February 2014.
- Follow up visit (3 Months) by Austrian Federal Ministry of Science and Research (BMWF), June 2015 – August 2015.
- Won Research Productivity Award (RPA) from Ministry of Science and Technology (MOST), Pakistan, for the year 2012.
- Certificate of Excellence, Silver Medal in M Phil Chemistry, dated 09-03-2013.
- Gold Medal awarded by Zikariyan Chemists Organization Multan (ZACHO) on successful completion of PHD, dated 31st March 2017.
- Shield of Appreciation for Research Contribution in PHD, awarded by Vice Chancellor, BZU in March 2017.
- Certificate of Excellence, Gold Medal in PHD awarded by Zikariyan Chemists Organization Multan (ZACHO), dated 27th March 2019.
- Secured 7th position in NAYS COVID-19 IDEA BANK in **April 2020**.

Research Collaborations

- Institute of Analytical Chemistry and Radiochemistry, Leopold-Franzens University, Innsbruck, Austria
- Department of Oncology, Georgetown University Medical Center, Lombardi Comprehensive Cancer Center NW, Washington, DC.
- Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan.
- HEJ, University of Karachi.

Techniques

MALDI/TOF-MS; HPLC; NIR; Atomic Absorption Spectrometry; NMR; FTIR; UV-Visible; Mass Spectrometry, Scanning Electron Microscopy

Computer Skills

MS Office; Visual Basic; System Analysis & Design; Operating Systems (DOS, Windows, Unix/Linux); Networking; PC Fundamentals.

Advanced Courses

- Advanced Chromatographic Techniques
- Advanced Spectroscopic Techniques
- Mass spectrometry as Proteomics Tool
- Advanced Electroanalytical Techniques
- Solid State Chemistry
- Absorption and Emission Spectroscopy
- Monolithic Stationary Phases
- Special Topics in Analytical Chemistry
- Advanced Applied Chemistry
- Analytical Techniques
- Forensic Sciences
- Foodomics

Additional Curricular / Administrative Assignments

- Member of Building Maintenance Committee, Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan (at current)
- Member of Admission Committee, Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan (01-08-2022-till date)
- Maintenance of equipment and instruments in Advanced Research Laboratory, Department of Chemistry The Women University, Multan, Pakistan (01-12-2018 – 10-11-2021)
- In-charge, Maintenance Committee, Department of Chemistry The Women University, Multan, Pakistan (01-12-2018 – 10-11-2021)
- Member, Semester Implementation Committee, Department of Chemistry The Women University, Multan, Pakistan (01-12-2018 – 10-11-2021)
- Member, Member of Admission Committee, Department of Chemistry The Women University, Multan, Pakistan (01-12-2018 – 10-11-2021)
- Reviewer – Biomedical Chromatography
- Reviewer – Microchimica acta

Impact Factor (IF) of the Published Work According to ISI List 2023

No.	Journal's Name	JCR IF	No. of Papers	Total IF
1.	<i>ACS Applied Materials & Interfaces</i>	10.383	1	10.383
2.	<i>Amino Acids</i>	3.789	1	3.789
3.	<i>Analyst</i>	4.616	1	4.616
4.	<i>Analytical Chemistry</i>	8.008	6	48.048
5.	<i>Analytical and Bioanalytical Chemistry</i>	4.478	4	17.912
6.	<i>Analytica Chimica Acta</i>	6.911	3	20.733
7.	<i>Biomedical Chromatography</i>	1.911	2	3.822
8.	<i>Desalination and Water Treatment</i>	1.273	1	1.273
9.	<i>Journal of Separation Science</i>	3.614	4	14.456
10.	<i>Molecules</i>	4.927	1	4.927
11.	<i>RSC Advances</i>	4.036	2	6.772
12.	<i>Microchimica acta</i>	6.408	4	24.112
13.	<i>Microchemical Journal</i>	5.304	1	5.304
14.	<i>Heliyon</i>	3.776	1	3.776
15.	<i>Journal of Chromatography B</i>	3.318	1	3.318

Cumulative Impact Factor: 173.241

Research Contributions (Cummulative Impact Factor: 173.241; Citations: > 558;h-index:14;i10 index: 17)

List of Publications

- Sajid, M. S., Saleem, S., **Jabeen, F.**, Ishaq, M. W., Najam-ul-Haq, M., Ressim H. W. Mapping the low abundant plasma glycoproteome using Ranachrome-5 immobilized magnetic terpolymer as improved HILIC sorbent. *J. Chromatogr. B*, **2023**, 1227, 123846
- Batool, R., Fatima, B., **Jabeen, F.**, Hussain, D., Imran, M., Najam-ul-Haq, M. Profiling of phosphorylated metabolites from lung cancer by zeolite loaded Mg–Al–Ce ternary hydroxide (Zeolite@ MAC) composite. *Heliyon*, **2023**, 9,
- Sajid, M.S., Saleem, M. N., **Jabeen, F.**, Saleem, S., Iqbal, S., Habib, S., Ashiq, M.N., Ressim, H. W., Najam-ul-Haq, M. Human serum N-glycome profiling via the newly developed asparagine immobilized Cellulose/Polymer nanohybrid. *Journal of Separation Science* **2022** 45, 4236-4244

4. Sajid M.S.; Saleem S., **Jabeen F.**, Najam ul Haq M., Ressim H.W. Terpolymeric platform with enhanced hydrophilicity via cysteic acid for Serum intact glycopeptide analysis. *Microchimica Acta*, **2022**, 189, 1-10.
5. Sajid, M. S., Saleem, S., **Jabeen, F.**; Fatima, B., Zulfikar, M., Ashiq, M. N., Ressim, H. W., Pukala, T. L., Najam-ul-Haq, M. Iminodiacetic acid (IDA)-generated mesoporous nanopolymer: a template to relate surface area, hydrophilicity, and glycopeptides enrichment. *Microchimica Acta*, **2021**, 188
6. Javed, R.; Hussain, D.; **Jabeen, F.**; Sajid, M.S., Fatima, B.; Ashiq, M.N., Najam ul Haq, M. Apo-H (Beta-2-Glycoprotein) Intact N-Glycans Analysis by MALDI-TOF-MS Employing Sialic Acid Derivatization. *Anal Bioanal Chem.* **2021**, 413, 7441–7449.
7. **Jabeen F.**; Sajid M.S.; Fatima B.; Saeed A.; Ashiq M. N.; Najam-Ul-Haq M. Graphene oxide-metal oxide nanocomposites for on-target enrichment and analysis of phosphorylated biomolecules. *J Sep Sci.* **2021**. doi: 10.1002/jssc.202001276.
8. Saleem, S.; Sajid, M.S.; Hussain, D.; Fatima, B.; **Jabeen, F.**; Najam-ul-Haq, M.; Saeed, A. Highly porous terpolymer-ZIF8@BA MOF composite for identification of mono- and multi-glycosylated peptides/proteins using MS-based bottom-up approach. *Microchimica Acta* **2021**, 187, 555.
9. Sajid, M.S.; Mittal, P., Fatima, F.; Hussain, D.; **Jabeen, F.**; Ashiq, M.N.; Pukala, T. L.; Najam-ul-Haq. M. Glycosylation Heterogeneity and Low Abundant Serum Glycoproteins MS Analysis by Boronic acid Immobilized Fe₃O₄@ 1, 2-Epoxy-5-Hexene/DVB Magnetic Core Shell Nanoparticles, *Microchemical Journal*, **2020**, 159, 105351.
10. Sajid, M.S.; **Jabeen, F.**; Hussain, D.; Gardner, Q.; Ashiq, M.N.; Najam ul Haq, M. Boronic Acid Functionalized Fibrous Cellulose for the Selective Enrichment of Glycopeptides, *Journal of Separation Science*, **2020**, 43, 1348-1355.

11. Saleem, S.; Sajid, M.; Hussain, D.; **Jabeen, F.**; Najam-ul-Haq, M.; Saeed, A. Boronic Acid Functionalized MOFs as HILIC Material for N-Linked Glycopeptides Enrichment. *Analytical and Bioanalytical Chemistry*, **2020**, *412*, 1509–1520.
12. Sajid, M.; Jovceviski, B.; Pukala, T.; **Jabeen, F.**; Najam-ul-Haq, M. Fabrication of Piperazine Functionalized Polymeric Monolithic Tip for Rapid Enrichment of Glycopeptides/Glycans. *Analytical Chemistry* **2020**, *92*, 683-689.
13. Javeed, R.; Hussain, D.; **Jabeen, F.**; Saeed, A.; Batool, F.; Ashiq, M.N.; Najam-ul-Haq, M. Enrichment of HDL Proteome and Phospholipidome from Human Serum via IMAC/MOAC Affinity. *Biomedical Chromatography*, **2020**, *34*, e4693.
14. Hussain, D.; Musharraf, Syed.; Batool.; Saeed, A.; **Jabeen, F.**; Ashiq, M.; Najam-ul-Haq, M. Magnetite nanoparticles coated with chitosan and polyethylenimine as anion exchanger for sorptive enrichment of phosphopeptides. *Microchimica Acta*, **2019**, *186*, 852.
15. Saeed, A.; Hussain, D.; Saleem, S.; Mehdi, S.; Javeed, R.; **Jabeen, F.**; Najam-ul-Haq, M. Metal Organic Frameworks Based Affinity Materials in Proteomics. *Analytical and Bioanalytical Chemistry* **2019**, *411*, 1745-1759.
16. **Jabeen, F.**; Najam-ul-Haq, M.; Rainer, M.; Huck, C. W.; Bonn, G. K. In-Tip Lanthanum Oxide Monolith for the Enrichment of Phosphorylated Biomolecules. *Analytical Chemistry* 2017, *89*, 10232-10238.
17. Sajid, M. S.; **Jabeen, F.**; Hussain, D.; Ashiq, M. N.; Najam-ul-Haq, M. Hydrazide-Functionalized Affinity on Conventional Support Materials for Glycopeptide Enrichment. *Analytical and Bioanalytical Chemistry* **2017**, *409*, 3135-3143.
18. **Jabeen, F.**; Najam-ul-Haq, M.; Ashiq, M. N.; Rainer, M.; Huck, C. W.; Bonn, G. K. Gadolinium Oxide – Exclusive Selectivity and Sensitivity in Enrichment of Phosphorylated Biomolecules. *Journal of Separation Science* **2016**, *39*, 4175-4182.

19. Najam-ul-Haq, M.; **Jabeen, F.**; Fatima, B.; Ashiq, M. N.; Hussain, D. Alumina Nanocomposites - A Comparative Approach Highlighting the Improved Characteristics of Nanocomposites for Phosphopeptides Enrichment. *Amino Acids* **2016**, *48*, 2571-2579.
20. **Jabeen, F.**; Najam-ul-Haq, M.; Rainer, M.; Güzel, Y.; Huck, C. W.; Bonn, G. K. Newly Fabricated Magnetic Lanthanide Oxides Core-Shell Nanoparticles in Phosphoproteomics. *Analytical Chemistry* **2015**, *87*, 4726-4732.
21. Fatima, B.; **Jabeen, F.**; Padashbarmchi, Z.; Najam-ul-Haq, M. Enhanced Enrichment Performance of Nickel Oxide Nanoparticles via Fabrication of Nanocomposite with Graphene Template. *RSC Advances* **2015**, *5*, 23658-23665.
22. Javeed, R.; **Jabeen, F.**; Saeed, H.; Najam-ul-Haq, M. Advance Workflow in Lipoproteomics via Polymeric Ion Exchanger. *Analytical Chemistry* **2015**, *87*, 3505-3512.
23. Najam-ul-Haq, M.; **Jabeen, F.**; Shafiq, F.; Sajid, S.; Saba, A. New Cellulose-Silica Composite IMAC/C18 for Selective Enrichment of Phosphorylated Molecules and Improved Recovery of Hydrophilic Species. *RSC Advances* **2015**, *5*, 1034-1042.
24. Najam-ul-Haq, M.; Saeed, A.; **Jabeen, F.**; Hussain, D.; Khan, N.; Shabir, M.; Raza, N.; Ashiq, M. N.; Malana, M. A.; Zafar, Z. I. Development of New Multifunctional Terpolymer Sorbent for Proteomics Applications. *Biomedical Chromatography* **2015**, *29*, 981-989.
25. **Jabeen, F.**; Najam-ul-Haq, M.; Javeed, R.; Huck, C. W.; Bonn, G. K. Au-Nanomaterials as a Superior Choice for Near-Infrared Photothermal Therapy. *Molecules* **2014**, *19*, 20580-20593.
26. Najam-ul-Haq, M.; Saeed, A.; **Jabeen, F.**; Maya, F.; Ashiq, M. N.; Sharif, A. Newly Developed Poly(Allyl Glycidyl Ether/Divinyl Benzene) Polymer for Phosphopeptides

- Enrichment and Desalting of Biofluids. *ACS Applied Materials & Interfaces* **2014**, *6*, 3536-3545.
27. Hussain, D.; Najam-ul-Haq, M.; Saeed, A.; **Jabeen, F.**; Athar, M.; Ashiq, M. N. Synthesis of poly GMA/DVB and its application for the removal of Malachite Green from aqueous medium by adsorption process. *Desalination and Water Treatment*, **2013**, *53*, 2518-2528.
 28. Saeed, A.; Najam-ul-Haq, M.; **Jabeen, F.**; Svec, F. High Affinity Phosphopeptides Enrichment and Desalting of Biological Materials on Newly Engineered Poly(Glycidyl Propargyl Ether/Divinyl Benzene). *Analytical Chemistry* **2013**, *85*, 8979-8986.
 29. Fatima, B.; Najam-ul-Haq, M.; **Jabeen, F.**; Majeed, S.; Ashiq, M. N.; Musharraf, S. G.; Shad, M. A.; Xu, G. Ceria-based Nanocomposites in Enrichment and Identification of Phosphopeptides. *Analyst* **2013**, *138*, 5059-5067.
 30. Hussain, D.; Najam-ul-Haq, M.; **Jabeen, F.**; Ashiq, M. N.; Athar, M.; Rainer, M.; Huck, C. W.; Bonn, G. K. Functionalized Diamond Nanopowder for Phosphopeptides from Complex Biofluids. *Analytica Chimica Acta* **2013**, *775*, 75-84.
 31. **Jabeen, F.**; Hussain, D.; Fatima, B.; Musharraf, S. G.; Huck, C. W.; Bonn, G. K.; Najam-ul-Haq, M. Silica-Lanthanum Oxide - Pioneer Composite of Rare Earth Metal Oxide in Selective Phosphopeptides Enrichment. *Analytical Chemistry* **2012**, *84*, 10180-10185.
 32. Najam-ul-Haq, M.; **Jabeen, F.**; Hussain, D.; Saeed, A.; Musharraf, S. G.; Huck, C. W.; Bonn, G. K. Versatile Nanocomposites in Phosphoproteomics: A Review. *Analytica Chimica Acta* **2012**, *747*, 7-18.

Book Chapters

1. Ashraf, S., **Jabeen, F.**, Iqbal, S.; Sajid, M. S.; Najam-ul-Haq, M. Chpter 13; Carbon dots in Photothermal Therapy; 1st Edition; De Gruyter, 2023, ISBN: 978-3-11079992-7.

2. Sajid, M. S.; Saleem, S.; **Jabeen, F.**; Fatima, B.; Saeed, A.; Hussain, D.; Majeed, S.; Ashiq, M. N.; Najam-ul-Haq, M. Chapter 8; Drugs Resistance in Lungs Diseases in: Biochemistry of Drug Resistance; 1st Edition; Springer Nature, **2021**, ISBN-978-3-030-76320-6, DOI: 10.1007/978-3-030-76320-6.
3. Fatima, B.; Jamil, M.; Hussain, D.; Saeed, A.; **Jabeen, F.**; Sajid, M. S.; Najam-ul-Haq, M. Chapter 13; Drug Resistance in Cancer in: Biochemistry of Drug Resistance; 1st Edition; Springer Nature, **2021**, ISBN-978-3-030-76320-6, DOI: 10.1007/978-3-030-76320-6.
4. **Jabeen, F.**; Sajid, M. S.; Saeed, A.; Fatima, B.; Hussain, D.; Majeed, S.; Ashiq, M. N.; Najam-ul-Haq, M. Chapter 14; Drugs Resistance and Treatment Failure in HIV and / or AIDS in: Biochemistry of Drug Resistance; 1st Edition; Springer Nature, **2021**, ISBN-978-3-030-76320-6, DOI: 10.1007/978-3-030-76320-6.
5. Hussain, D.; Saeed, A.; Rashid, N.; Fatima, B.; Sajid, M. S.; **Jabeen, F.**; Najam-ul-Haq, M. Chapter 15; Drug Resistance in Reproductive Diseases in: Biochemistry of Drug Resistance; 1st Edition; Springer Nature, **2021**, ISBN-978-3-030-76320-6, DOI: 10.1007/978-3-030-76320-6.

Poster Presentation

1. Sajid, M. S., **Jabeen, F.**, Najam ul Haq, M. Mapping of Serum Intact Glycoproteins/peptides by Polymeric HILIC Probe. Symposium of Belt and Road International Cooperation on Interdisciplinary Materials, **2023**
2. Sajid, M. S., **Jabeen, F.**, Iqbal, S., Najam ul Haq, M. Human Serum N-Glycome Profiling via Cellulose/Polymer Nanohybrid@Asparagine. Symposium of Belt and Road International Cooperation on Interdisciplinary Materials, **2023**
3. **Jabeen, F.**; Hussain, D.; Fatima, B.; Rainer, M.; Huck, C. W.; Bonn, G. K.; Najam-ul-Haq, M. Silica–Lanthanum Oxide: Pioneer Composite of Rare-Earth Metal Oxide in Selective Phosphopeptides Enrichment. 11th Austrian Proteomic Research Symposium (APRS 2013), (Center for Chemistry and Biomedicine (CCB), Innsbruck, **Austria**; 23– 25.09.2013).

International Trainings

Participated in International School on Theory and Experimentation of Disease Biomarker for Countries along the Belt and Road and Developing Countries, held in Changchun , China Aug 18th to September 3rd, 2023.

Research Conferences/Workshops

1. Participated in Cyberbiosecurity Training Workshop, Nov 30th and Dec 1st 2023.
2. Patron in Chief of 4th International Life and Chemical Sciences, 25th and 26th Nov, 2023.
3. Guest Speaker at 3rd Multidisciplinary International Research Conference March 18-19th, 2023.
4. Invited Speaker with Oral Presentation at 3rd International Conference on Chemical and Allied Sciences for Sustainable Development 2022 (CASSD-2022) at WUM 28-30 Nov 2022
5. Guest Speaker with Oral Presentation at Multidimensional International Research Conference; (online) by iM Group of Researchers, Abdul Wali Khan University Mardan 9th Oct 2022
6. Guest Speaker with Oral Presentation at One Day International Conference; Research Skills Development Conference (online) by Abdul Wali Khan University Mardan 6th Aug 2022
7. Participation in Capacity Building Course for Researchers by British Council- HEC, 1st Aug-4th Aug 2022
8. Participated with Oral Presentation in 7th International Multidisciplinary Research Conference, Post Covid-19 Global Prosperity, at Sarhad University of Science and Information Technology, Peshawar, 26th – 28th July 2022
9. Participated with Oral Presentation in International Conference on Chemicals and Material Sciences at Department of Chemistry, The University of Education, Lahore, 21st May 2022
10. Participated in USA-Pakistan Bilateral Conference on Energy Nanomaterials 2020 held at School of Natural Sciences, NUST, Islamabad on 16th January 2020
11. Among organizers in one day symposium Role of Researcher to link Academia & Industry, held in The Women University, Multan, 20th November 2019
12. Among organizers in one day symposium Role of Researcher to link Academia & Industry, held in The Women University, Multan, 20th November 2019.

13. Presented in International Conference, Forefront in Chemistry, Celebrations of International Periodic Table Year, held in BZU, March 2019.
14. Presentation in 1st International Conference on Strongly Correlated Electron Systems and Nanotechnology held at The Women University, Multan in 2019.
15. Among organizers in International Travelling Expo 2011 "It's all about Chemistry", held at Bahauddin Zakariya University, Multan, Pakistan.
16. Participated in 10th International and 22nd National Chemistry Conference at University of Agriculture Faisalabad, Pakistan in 2011
17. Participated in 9th International and 21st National Chemistry Conference at University of Karachi, Pakistan in March 2011

References

- **Prof. Dr. M. Najam-ul-Haq**
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