

Curriculum Vitae



Imran Ali

Professor of Chemistry

Ph.D., FRSC, C. Chem., London (UK).

Highly Cited Researcher 

Top Peer Reviewer, Web of Science, USA. 

Rank: 01 Indian & 09 Global (Anal. Chem.) as per 2% top Scientists list.

Department of Chemistry

Jamia Millia Islamia (A Central University)

New Delhi -110025

Tel.: 9211458226

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drimran_ali@yahoo.com

• h-index 114, i10-index 369, Total citations: 44,000.

Total Publications: More than 550 (Books (non-edited), patents, research papers, book and encyclopedia chapters, technical reports, and conference presentations).

Websites:

Home Page: https://www.jmi.ac.in/ACADEMICS/Departments/Department-Of-Chemistry/Faculty-Members/1907/Imran_Ali

Google Scholar: <https://scholar.google.co.in/citations?user=ukpmKoQAAAAJ&hl=en>

Web of Science: <https://www.webofscience.com/wos/author/record/F-7710-2010>

ORCID: <https://orcid.org/0000-0001-6511-8374>

Scopus: <https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=7102015737>

ResearchGate: <https://www.researchgate.net/profile/Prof-Imran-Ali>

LinkedIn: <https://www.linkedin.com/in/imran-ali-82589117/>

AD Scientific Index 2023: <https://www.adscientificindex.com/scientist/imran-ali/396281>

Areas of Expertise:

Interdisciplinary in Chemistry with a special focus on -

- Separation Science (simple and chiral separations of pharmaceutical and xenobiotics analyses by chromatography and capillary electrophoresis, sample preparation, and miniaturization in the separation science).
- Sustainable Environmental Chemistry (Water quality and water treatment by new generation nano-adsorbents adsorption and electrochemical methods, surfactant and colloidal chemistry).
- Sustainable Green Energy and Nanotechnology (synthesis of smart graphene-based nanomaterials for water treatment and water splitting for hydrogen production - **green energy**).
- Medicinal Chemistry (multistep organic synthesis, development of anti-cancer drugs, drugs target).
- Executive Leadership.

Teaching Disciplines:

Innovative teaching, General, Organic, Analytical, Environmental Chemistry and Nanotechnology.

Outstanding Achievements:

- Total Publications: **More than 550** (Books, patents, research papers, book and encyclopedia chapters, technical reports, and conference presentations).
- Books are published by publishers located in the USA, UK, Germany and The Netherlands.
- Papers are published with the American Chemical Society, Royal Society of Chemistry, Elsevier, Wiley & Sons, Springer, Taylor & Francis, etc. publishers.
- Papers in high-impact Journals like Nature Protocol, and Chemical Reviews (IF: 72).
- Chartered Chemist (C. Chem), Royal Society of Chemistry, London, UK.
- Fellow of Royal Society of Chemistry (FRSC), Royal Society of Chemistry, UK.
- The leading researcher in the world in the area of chiral pollutants.
- International research collaborations with leading researchers in 13 countries.

- Visited the USA, Russia, Germany, UK, Switzerland, France, Belgium, Malaysia, Saudi Arabia, Oman, UAE, Egypt, Kuwait and Nepal.

Honors, Scholarships and Recognition Awards:

- Outstanding Faculty Award, 2nd Faculty Research Award by Careees 360, New Delhi, India (2023).
- Clarivate Highly Cited Researcher-2020-2022. 
- Clarivate India Research Excellence Citation Awards 2021 (powered by Web of Science), the 8th edition of this award.
- Photocite Award 2022, American Society for Photobiology, USA.
- Teachers Excellence Award 2022, Shikshak Kalyan Foundation, Ghaziabad.
- Dr. Sarvepalli Radhakrishnan best teacher award 2021, Shikshak Kalyan Foundation, Ghaziabad.
- Rank: 01 Indian & 10 Global (Analytical Chemistry) as per the Stanford University, USA.
- USERN Advisor with top 1% scientist
- Top reviewers in Chemistry - September - 2019 and 2020.
- Top reviewers in Environment and Ecology - 2019 and 2020.
- Top reviewers in Cross-Field - September - 2019 and 2020.
- Chartered Chemist (C Chem) of Royal Society of Chemistry, London, UK.
- Fellow of Royal Society of Chemistry (FRSC), London, UK.
- Honorary Rosalind Member of London Journals Press.
- Brand Ambassador of Bentham Science Publisher.
- IFERP - Professional Ambassador, Institute For Engineering Research And Publication.
- Khosla Research Award-1987 by University of Roorkee, Roorkee.
- Research Advisor, American Biographical Institute, Inc., USA (2006-2012).
- Expert for evaluation of research projects, UCOST, Dehradun (From 2006-2008).
- Expert for the selection committee of SRF and RA. CSIR, New Delhi.

Education:

- **Ph.D. (Chemistry) - 1990:** Department of Chemistry, University of Roorkee, now Indian Institute of Technology Roorkee, Roorkee, India.
- **M.Sc. (Chemistry) - 1986:** Department of Chemistry, University of Roorkee, now Indian Institute of Technology Roorkee, Roorkee, India.
- **B.Sc. (Chemistry, Botany and Zoology) – 1983:** Meerut University, India.

Instruments Expertise:

- High-Performance Liquid Chromatography (HPLC)
- Gas Chromatography (GC)
- Ion Chromatography (IC)
- Liquid Chromatography-Mass Spectrometry (LC-MS)
- Gas Chromatography-Mass Spectrometry (GC-MS)
- Capillary electrophoresis (CE)
- Mass Spectrometry
- Nuclear magnetic resonance Spectrometry
- X-ray powder diffraction
- UV-Visible Spectrometry
- Fourier Transform Infra-Red Spectrometry
- Scanning Electron Microscope
- Transmission Electron Microscopes
- Polarimetry
- Solid Phase Extraction sample Preparation
- Chiral GC and HPLC
- Inductively coupled Plasma Mass Spectrometry (ICP-MS)
- Atomic Absorption Spectrometry (AAS)
- Flame Photometry

Summary of the Expertise and Interest:

- Over 35 years of research and teaching experience (including online) at various universities.
- Over 10 years of industrial consultant experience.
- Proven leadership skills in education, research & development. Mentored and trained undergraduate, graduate and doctorate students. Secured funding to sustain research.
- Served on various administrative committees to enhance the institutions' plans and vision.

- Published more than 500 peer-reviewed articles including patents (1 approved & 4 under consideration), books (6), books and encyclopedia chapters, research papers, technical reports and conference presentations.
- Editor-in-Chief (02), Senior Editor (01), Editor (02), Associate Editor (06) and Editorial Board Member (40) Journals.
- Analytical Chemistry (simple and chiral separations by chromatography and capillary electrophoresis).
- Water treatment by new generation nano-adsorbents (nanotechnology).
- Anticancer and chiral drug discovery and development.
- Miniaturization in sample preparation, chromatography and capillary electrophoresis.

Memberships and Services in Scientific Societies:

- American Chemical Society (ACS), USA.
- American Nano Society, USA.
- Royal Society of Chemistry, UK.
- Indian Science Congress Association, India.
- Indian Society of Analytical Scientists, India.
- Chromatographic Society of India, India.
- Indian Association for Cancer Research, India.
- Society for materials chemistry life member, India.

Academic Experience:

2012-Present	Professor, Department of Chemistry, Jamia Millia Islamia (Central University), New Delhi -110025.
2009-2012	Associate Professor, Department of Chemistry, Jamia Millia Islamia (Central University), New Delhi -110025.
2006-2009	Reader, Department of Chemistry, Jamia Millia Islamia (Central University), New Delhi -110025.
1997-2005	Scientist, National Institute of Hydrology, Roorkee, India.
1993-1995	Post Doctoral Fellow, National Institute of Hydrology, Roorkee, India.

1990-1993

Post Doctoral Fellow, Department of Chemistry, Roorkee University, Roorkee, India.

Abroad Academic Experience:

Professor at Taibah University, Al-Madinah Al-Munawarah, Saudi Arabia, 2017-2020 (After availing EOL from Jamia Millia Islamia, New Delhi).

Visiting Professor at King Saud University, Riyadh, Saudi Arabia, 2013-conti...

Visiting Professor at the University of Technology, Johar Bahru, Malaysia, 2014.

Visiting consultant AT Sultan Qaboos University, Muscat, Oman, 2011.

Visiting consultant AT Sultan Qaboos University, Muscat, Oman, 2009.

Visiting Scientist at King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia, 2002-2006.

Scientist at King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia, 2000-2001.

Editorial and Advisory Services:

Editor-in-Chief:

- Nanomedicine and Drug Delivery, Clausius Scientific Press.
- Journal of Modern Medical Oncology, Innovation Forever Publishing Group.

Associate Editor-in-Chief:

- Green Nanotechnology, Shin Chen Scientific Publisher, Singapore.

Senior Editor:

- Chemical Review & Letters, Iranian Chem. Sci. & Technol. Assn., Iran.

Editor:

- Arabian Journal of Geosciences, Springer, Germany.
- Micromaterials and Interfaces, Asia Pacific Academy of Science Pte. Ltd., Singapore.

Associate and Section Editor:

- J. Umm Al-Qura Univ. Appl. Sci., Springer, Germany.

- Associate Editor, Analytical Chemistry Letters, Taylor & Francis.
- Associate Editor, Fine Chemical Engineering, Universal Wiser Pub., Singapore.
- Section Editor, Current Drug Therapy, Bentham Science Publishers.
- Guest Editors of various Journals for special issues.

Editorial Board Member:

- Journal of Separation Science, Wiley.
- Separation & Purification Review, Taylor and Francis.
- Advanced Analytical Chemistry, Scientific & Academic Publishing, USA.
- International Journal of Hydrocarbons, Open Access Pub, USA.
- Trends in Horticulture, EnPress Publisher, USA.
- Annals of Biomedical Technology & Engineering, Remedy Publications, USA.
- Environmental Science & Pollution Research, Springer.
- Journal of Medicines Development Sciences, Whioce Publishing Pvt. Ltd., Singapore.
- Egyptian Pharmaceutical Journal, Academy of Scientific Research & Technology, The National Centre for Information & Documentation, Dokki, Cairo, Egypt.
- Electronic Science Technology & Applications (ESTA), Universe Scientific Pub., China.
- International Journal of Environmental Research, University of Tehran, Iran.
- International Journal of New Chemistry, South Abouzar Street, Tehran. Iran.
- Journal of Chemistry Letters, Iranian Chemical Science & Technologies Association, Iran.
- Biosci. Biotechnol. Res. Asia, India.
- Journal of Tumor Science Research, Scientific Research and Community Ltd., UK.
- Annals of Advanced Biomedical Science, Medwin Publ., USA.

Past Editorial services:

- **Editor-in-Chief**

- Current Chromatography, Bentham Science Publisher (2017-2021).

- **Editor**

- Journal of Taibah University for Science, Taylor & Francis (2020-2022).

- Advanced Materials & Technologies, Tambov State Technical University, Tambov, Russia (2020-2022).

- **Associate and section Editors**

- J. Umm Al-Qura Univ. Appl. Sci., Springer, Germany.

- Associate Editor, Fine Chemical Engineering, Universal Wiser Pub., Singapore.

- Section Editor, Current Drug Therapy, Bentham Science Publishers.

On Editorial Board

- Journal of Cancer Therapy & Research, iProbe Group, Virginia, USA.

- World Journal of Clinical Oncology, Baishideng Publishing Group Inc., USA.

- Journal of Molecular & Applied Bioanalysis, Chicago, USA.

- SM Analytical & Bioanalytical Techniques, Dover, USA.

- Pharmaceutics and Pharmacology, Global Science Library, USA.

- Journal of Solid Tumors, Science Education Press, Canada.

- Current Analytical Chemistry, Medford Publisher, Canada.

- International Journal of Pharmaceutical Science, Acta Scientifica, Bulgaria.

- Biomedical Engineering, AMG Transcend Association from Romania.

- Gazi University Journal of Science, Gazi University, Turkey.

- Combinatorial Chemistry & High Throughput Screening, Bentham Science Publisher.


- Letters in Functional Foods, Bentham Science Publisher.

- Big Data & Cloud Innovation, Whioce Publishing Pvt. Ltd., Singapore.

- Hydro Science & Marine Engineering (HSME), Bilingual Publishing Co., Singapore.

- Journal of Advanced Biotechnology & Bioengineering, Synergy Publishers, UAE.
- Journal of Natural Products Research Updates, Chulalongkorn University, Thailand.
- International Journal Traditional Medicine, Association of Genuine Traditional Medicine South Korea.
- Journal of Ultra Chemistry, BDA Colony Kohe Fiza, Madhya Pradesh 462001, India, Bhopal, India.
- Asian Journal of Oncology, Thieme Medical and Scientific Publishers Pvt. Ltd., A-12, 2nd Floor, Sector 2, Noida, Uttar Pradesh, India.
- International Journal Water Resource & Environmental Engineering, Victoria Island, Lagos, Nairobi.
- Medical Practice Reviews, 73023 Victoria Island, Lagos, Nairobi.
- Journal of Advanced Biotechnology & Bioengineering, Synergy Publishers, UAE.
- Journal of Modern Medical Oncology, Hong Kong.
- International Journal of Materials Research in Science & Technology, India.

Peer Reviewing Services:

- Research project reviewer for many funding agencies (National and International).
- External reviewer for academic tenure and promotion.
- External reviewer for master's dissertation and Ph.D. evaluation for many Universities and Institutes.
- Book Reviewer for many publishers.
- Reviewer for more than 100 International Journals for the American Chemical Society (ACS), Royal Society of Chemistry (RSC), Elsevier, Wiley, Springer, Taylor & Francis, Bentham Science, Multidisciplinary Digital Publishing Institute (MDPI) and other publishers.
- Top Reviewer Award by Publons 

Research Grants and Contracts (Peer Reviewed):

- 2017.....Evaluation of Aftimoon (*Cuscuta Reflexa* Roxb.) Plant and its Seeds on Different Human Cancer (Sartan) Cell Lines, AYUSH, New Delhi (September 2107 to March 2019).
- 2017.....Chiral chromatography of compounds with two asymmetric centers, DST, New Delhi, India and RFBR, Russia (From October 2017 to March 2019).
- 2013.....Mechanisms of retention and enantio-separation of chiral quinolines on enantioselective adsorbents under liquid chromatographic conditions, DST, New Delhi, India and RFBR, Russia (From October 2013 to September 2015).
- 2007.....Racemization of antifungal agents enantiomers with a benzylic proton at physiological pH - Uttarakhand State Council for Science & Technology, Dehradun (From Jan 2007- July 2009).
- 2011.....Monitoring of arsenic in groundwater of Ballia district, Uttar Pradesh using remote sensing and GIS techniques - Ministry of Environment & Forests, New Delhi (From to Feb 2011- July 2013).
- 2005.....Assessment of water quality of 22 metropolitan cities of India - CPCB, New Delhi. (From to Jan 2005- July 2007).

Conferences Organized:

- Co-Chairman, 4th International Scientific-Practical Conference Graphene and Related Structures: Synthesis, Production, and Application (GRS-2021), October 7-8 (2021), Tambov State Technical University, Tambov, Russia.
- Co-Chairman, 3rd International Scientific-Practical Conference Graphene and Related Structures: Synthesis, Production, and Application (GRS-2019), 11-13 Nov. 2019, Tambov State Technical University, Tambov, Russia.
- Organizing Committee Member, National Conference on Advanced Functional Materials-2019, November 20-21, 2019, Jamia Millia Islamia Central University, New Delhi, India.
- Organizing Committee Member, 7th National Symposium and Conference on Solid State Chemistry and Allied Areas, November 24-26, 2011, Jamia Millia Islamia Central University, New Delhi, India.

Sessions Chaired:

- Hydrology, Hydrogeology, Hydrochemistry, MedGu Mediterranean Geoscience Union, Annual Meeting, Marrakech, Morocco, 27-30 November, 2022.
- Global water Congress 2022, Environmental and Social Development Association (ESDA), New Delhi, India, March 21, 2022.
- Current regulations on herbal drugs and food supplements, Jami Hamdard University, New Delhi, India, May 16, 2017.
- Recent Advances in Chemistry, Jamia Millia Islamia, April 25, 2016, New Delhi, India.
- Second International Research Conference, 28-29 Oct. 2015, Dubai.
- India Water week 2016, April 6, 2016, New Delhi India.

Invited Talks (Keynote Lectures):

- Future perspectives of new generation nano anticancer drugs, First International Conference on Recent Advances in Chemistry, Punjabi university Patiala, February 23, 2023.
- Graphene will change the world, Universidad Politécnica de Valencia, Spain, 1st July (2022).
- 21st Century is if graphene, 4th International Scientific-Practical conference on graphene and related structures: Synthesis, production, and application (GRS-2021), Tambov, Russia, October 7-8 (2021).
- Imran Ali, Graphene: A marvelous material for water treatment in the future, 4th Conference of the Arabian Journal of Geoscience, 25-28 November, Istanbul, Turkey (2021).
- New generation nano anticancer drugs: Need of this century, International Conference on Current Trends in Pharmaceutical Chemistry and Standardization of Medicines, I. Horbachevsky Ternopil National Medical University, Maidan Voli, 1, Ternopil, 46001 Ukraine, 25-26 May (2021).
- Graphene is a Miracle Material for 21st Century, 3rd Intl. Scientific-Practical Conference Graphene and Related Structures: Synthesis, Production, and Application (GRS-2019), Nov. 11-13, 2019, Tambov State Technical University, Tambov, Russia, 2019.
- Origin of chirality, King Saud University, Saudi Arabia, Oct. 10, 2018.
- Social impact of chirality, King Saud University, Saudi Arabia, Oct. 10, 2018.
- How to publish papers in high-impact factor Journals? Islamic Azad University, Avantipura, Srinagar, J & K, August 10, 2018.

- Future need and demand for column operations for water treatment using nanomaterials, 2nd International Scientific-Practical Conference Graphene and related structures: Synthesis, production, and application, Tombav, Russia, Nov. 15-17, 2017.
- Nano Separations, 6th International Chemistry Conference, King Saud University, Riyadh, Saudi Arabia, Nov. 8-10, 2016.
- A successful career in science: Need of the present and next centuries, University Technology Malaysia, Johor Bahru, Malaysia, Nov. 7, 2016.
- 16th Asia Pacific international symposium on microscale separations and analysis, University Technology Malaysia, Johor Bahru, Malaysia, Nov. 8-11, 2016.
- Chiral drugs development by HPLC, Dubai Pharmacy College, UAE, Sept. 24, 2016.
- Need of chiral drugs and their development by HPLC, New paradigm in chemical science: Synthetic and Analytical Perspectives-2016, Punjabi University, Patiala, Punjab, India, Feb. 4-5, 2016.
- Future and prospective of smart materials, Smart Materials: Advances in Research and Techniques (SMART-2015), Solan, Nov. 27-28, 2015.
- Cancer scenario in Gulf countries and the future of nano anti-cancer drugs, Second International Research Conference, Dubai, Oct. 28-29, 2015.
- Art of publication in high impact factor Journals, Ibnai Suna Institute of Technology, University Technology Malaysia, Johor Bahru, Malaysia, Nov. 23, 2014.
- Core-shell technology, for ultra-fast separations, Department of Chemistry, University Technology Malaysia, Johor Bahru, Malaysia, Nov. 24, 2014.
- Advanced water treatment methods, Department of Chemistry, University Technology Malaysia, Johor Bahru, Malaysia, Nov. 25, 2014.
- New generation adsorbents for water treatment, NANOCAT, University of Malay, Kuala Lumpur, Malaysia, Nov. 28, 2014.
- Pesticides in the environment and their analyses, Academic College, Jamia Millia Islamia, New Delhi, India, Oct. 15, 2014.
- Ultra-fast HPLC on superficially porous columns for pharmaceutical analyses, International Symposium on Current Trends and Future Prospects in Pharmaceutical Sciences, Pokhara University, Nepal, July 6-7, 2014.
- Nano-chromatography and nano-capillary electrophoresis: Current developments and need of future, Quest Pharm. Ltd., Birgang, Nepal, July 8, 2014.
- Pesticides havoc and analysis, Department of Education, Jamia Millia Islamia, New Delhi, India, May 13, 2014.

- Analyses of pesticides by advanced methods, Academic College, Jamia Millia Islamia, New Delhi, India, Dec. 2, 2013.
- Chiral drugs analyses by HPLC, Emerging trends in analytical science, IICT, Hyderabad, Nov. 27, 2013.
- Innovative technologies for fast HPLC analyses, Mahatma Gandhi University, Kottayam, Kerala, India, Nov. 5, 2013.
- Role of chromatography in separation science, Mahatma Gandhi University, Kottayam, Kerala, India, Aug. 27, 2013.
- Food: Loss, wastage and security, Environmental Day, Dr. R.M.L. Lohia University, Faizabad, June 5, 2013.
- Recent trends in ultrafast HPLC, Arab Lab., UAE, March 10-13, 2013.
- Chiral drugs development: Need of the present century, UAE University, Al-Ain, UAE, March 11, 2013.
- Nano anti-cancer drugs: Future magic medication, UAE University, Al-Ain, UAE, March 11, 2013.
- Pesticides and water quality, India water week, CWC, New Delhi, India, April 10-14, 2012.
- Smart applications of chromatography and capillary electrophoresis, Part – I, King Saud University, Saudi Arabia, June 22, 2011.
- Role of HPLC in chiral drugs development, Indian Drugs Manufacturers Association (IDMA) and Association of Pharmaceutical Analysts (APA), 11th Pharmaceutical Analysts Convention, Hyatt Regency, Mumbai, Oct. 11, 2008.
- Chiral chemistry, Dr. D.N. Patkar Memorial Seminar, University of Mumbai, Mumbai, India, Oct. 10, 2008.
- Liquid chromatography – Tool for Chiral Assessment, Dr. D.N. Patkar Memorial Seminar, University of Mumbai, India, Mumbai, Oct. 10, 2008.
- An introduction of capillary electrophoresis, Workshop on Chromatographic Techniques, Department of Chemistry, Jamia Millia Islamia (Central University), New Delhi, India, Sept. 10, 2007.
- Scientific education: A sustainable future to develop India, N.S.S. Workshop, Mussoorie, Sponsored by Uttarakhand State Science Congress, Dehradun, Aug. 11, 2007.
- In vitro and in vivo racemization of optically active drugs, First Uttarakhand State Science Congress, Dehradun, Water quality and health: An urgent need for awareness, at several villages of District Hardwar, Uttarakhand, Nov. 10-11, 2006).

- Analysis of pesticides in water, National Institute of Hydrology, Roorkee, India, April 15, 2004.
- Health and metal ion speciation, National Symposium on advanced instrumental methods of analysis, Dehradun, India, December 18-19, 2004.
- Advances in metal ion speciation by capillary electrophoresis, National Institute of Hydrology, Roorkee, India, March 10, 2003.
- Chirality: A challenge to the environmental scientists, National Symposium on advanced instrumental methods of analysis, Dehradun, India June 7-8, 2002.

International Collaborations:

- Michael K. Danquah, Department of Chemical and Biomolecular Engineering, University of Tennessee Knoxville, TN, 37996, United States of America.
- Hermenegildo Garcia, Universidad Politécnica de Valencia, Av. De los Naranjos s/n, 46022 Valencia, Spain.
- Marcello Locatelli, Department of Analytical and Bioanalytical Chemistry, University G. d'Annunzio of Chieti-Pescara; Department of Pharmacy, Via dei Vestini, 31; 66100 Chieti, Italy.
- Xavier Yangkou Mbianda, University of Johannesburg, South Africa.
- Leonid Asnin, Perm National Research Polytechnic University, Perm, Russia.
- Irina Borakov, Tambov State Technical University, Tambo, Russia.
- Evgeny Galunin, University of Tyumen, 6 Volodarskogo St., Tyumen, 625003, Russian Federation, Russia.
- Omar M. L. Alharbi, Taibah University, Al-Medina Al-Munawara 41477, Saudi Arabia.
- Khaled Sekkoum, University Tahri Mohamed of Bechar, Bechar, 08000, Algeria.
- Hassan Y. Aboul-Enein, Department of Pharmaceutical and Medicinal Chemistry, The National Research Centre, Dokki, Cairo -12622, Egypt.
- Zeid A. Al-Othman, Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.
- Gunel Imanova, Institute of Radiation Problems, Ministry of Science and Education Republic of Azerbaijan, Baku AZ-1143, Azerbaijan
- Ming-Fa Hsieh, Department of Biomedical Engineering, Chung Yuan Christian University, 200 Chung Pei Rd, Chung Li, Taiwan.

Ph.D. Work Supervised (21):

- Farhat Habib, Rationale Design and Synthesis of Some Heterocyclic Compounds as Potent Antimicrobial Agents, 2023.
- Aysha Gaur, Synthesis, characterization and biological evaluation of heterocyclic derivatives, 2023.
- Rupak Raja, Separation and identification of some potential chiral drugs on polysaccharides based immobilized columns using super critical fluid chromatography, 2022.
- Abeer Ibraheem Mogadem, Flexirubin ameliorates carbon tetrachloride-induced liver injury by activating heme oxygenase-1 defense system, 2021.
- Mohd Farooq Naqshbandi, A Study on Novel Unani Medicinal Plants in Search of Anticancer Activities on Different Human Cancer cell lines, 2020.
- R. Vadivelan, Synthesis, characterization and biological studies of some heterocycles and their complexes, 2018.
- Mohammad Nadeem Lone, DNA binding and anticancer studies of some nitrogen and sulfur heterocyclic compounds, 2018.
- Kamlesh Kumar Dutta, Development of HPLC and UFLC methods using core-shell columns for analyses of antidiabetic, antihistamine and cardiac drugs, 2018.
- Dnyaneshwar K. Nighot, Coupling of haloarenes with terminal alkynes by using copper complexes, 2018.
- Umma Kulsum, Development of SPE-HPLC methods for analyses of β -blockers, profens and vitamin B complex in human plasma using new generation columns, 2016.
- Ashanul Haque, Isolation, characterization, and applications of anticancer compounds from medicinal plants, 2014.
- Saif Ali, Removal of toxic metal ions from water by using low-cost adsorbents, 2014.
- Syed Dilshad Alam, Development of SPE-HPLC methods for analyses of simple and chiral drugs in human plasma, 2014.
- Mohd. Asim, Development of electrochemical methods of arsenic removal from groundwater, 2013.
- Waseem Ahmad Wani, Syntheses, characterization and anti-cancer profiles of glutamic acid derivatives and their metal ion complexes, 2013.
- Afzal Hussain, Evaluation of chromatographic methods for analyses of simple and chiral drugs in human plasma, 2010.

- Iqbal Hussain, Development of liquid chromatographic methods of simple and chiral drugs in biological samples, 2010.
- Bhavtosh Sharma, Studies on racemization of anti-fungal agents enantiomers with a benzylic proton at physiological pH, 2010.
- Shilpi Aggarwal, Chromatographic methods development for analysis of amino acids and their PTH- and DNP-derivatives, 2009.
- Uma Negi, Chromatographic analyses of some drugs in biological samples, 2009.
- Archana Badoni, Analysis of water pollutants using chromatographic techniques, 2008.
- V.K. Saini, Removal of some toxic substances from wastewater using inexpensive alternatives to carbon, 2007.
- H.V. Pant, Analysis of some drugs in wastewater using chromatographic techniques, 2004.

Master Dissertation Supervised (37):

- Mohammad Huzaifa, Ionic liquids: Future anticancer drugs, 2022.
- Preeti Aggarwal: Nano anticancer drugs: Need of this century, 2022.
- Nabeeha Fatima, Heterocycles: Hope of anticancer drugs development, 2022.
- Adnan, Role of chirality in drugs development, 2022.
- Sana Fatima, Future prospective of Nano anticancer drugs, 2021.
- Arif Masud, Role of heterocyclic compounds in nano anticancer drugs development, 2021.
- Shahbaz Ahmed Usmani, Role of ionic liquids in anti-cancer drugs, 2021.
- Fatima Ghurmman Al-Amri, Antioxidants properties of lignin extracted from date seeds by various methods, 2020.
- Alla Elmi, Preparation of iron oxide nano-adsorbent by green technology for the removal of a toxic metal ion in water, 2019.
- Shalu Aggarwal, Synthesis of benzimidazole derivatives, characterization, molecular modeling, and DNA binding studies, 2017.
- Shikha Mankotia Synthesis, characterization, DNA binding and docking studies of Knoevenagel condensates of curcumin, 2017.

- Shabbir Ahmed Khan, Determination of contraceptives in human plasma by nanoparticles based dispersive sample preparation method and high-performance liquid chromatography, 2017.
- Shalu Aggarwal, Synthesis of benzimidazole derivatives, characterization, molecular modeling, and DNA binding studies, 2017
- Khalid Naeem, Synthesis, characterization, physio-chemical properties and docking studies of pyrazolealdehydes, 2016.
- Akram Hussain, Synthesis, characterization, physio-chemical properties and docking studies of aromatic isothiocyanates, 2016.
- Asif Khan, Synthesis and application of nanocomposite adsorbent for sample preparation of quinolones antibiotics for HPLC analysis, 2016.
- Asif Khan, Synthesis and application of nanocomposite adsorbent for sample preparation of quinolones antibiotics for HPLC analysis, 2016.
- Jabeen Abbasi, Development of solid-phase membrane micro tip extraction and HPLC methods for analyses of cardiovascular drugs, 2015.
- Deepika Rani, Synthesis, characterization and utilization of nanocomposite adsorbent for sample preparation of anti-arthritis drugs for HPLC analysis, 2015.
- Imranul Haque, Separation and identification of phenolics in anti-obesity drugs by HPLC, 2014.
- Safiullah Fetrat, Synthesis, purification, and characterization of copper(II) and nickel(II) complexes of a pyrazoline based ligand, 2014.
- Shehnaz Ali, Enantiomeric resolution of atenolol and propranolol by diastereoisomeric salt formation, 2014.
- Shilpi Aggarwal, Chiral separations of salbutamol and pheniramine drugs by diastereoisomeric salts formation, 2014.
- Nidal M.I. Al-Bau, Monitoring of β -blockers in tablets by HPLC 2013.
- Farha, Synthesis, characterization and physico-chemical properties of pyrazolealdehydes, 2013.
- Sofi Danish Mukhtar, Synthesis, characterization, physico-chemical properties and DNA docking studies of Schiff's bases of pyrazolealdehydes, 2013.
- Mohamad Nadeem Lone, Synthesis, purification, and characterization of copper(II) and nickel(II) complexes of a pyrazoline based ligand, 2012.
- Mohd. Shabbir Synthesis, purification & characterization of some chalcone derivs, 2012.

- Mani Shankar Pandey, Synthesis and structure elucidation of macrocyclic complexes of Cu(II), Ni(II) and Zn(II) bearing amphiphilic arms, 2011.
- Mohd. Asad, Validation of HPLC method for analysis of triprolidine, phenylephrine and paracetamol in pharmaceutical dosages, 2010.
- Parul Goel Quality control of Profens by TLC on plain and impregnated silica gels. 2010.
- Md. Rehan, Synthesis and study of N,N'-bis (salicylidene) ethylenediamine and its metal ion complexes, 2010.
- Mohammad Tanweer, Thin layer chromatographic study of vitamin B complex in dosage formation. 2009.
- Nazia Anwar, Synthesis, charact. & biological activities of anti-cancer drugs, 2008.
- Niraj Singh, Synthesis, characterization and biological activity of antiviral drugs, 2008.
- Ashraf Rather, Homochiral drug designing by racemization, 2007.
- Md. Shaikat Raza, Role of HPLC in drug development, 2007.

Administrative Experience:

- Head, Department of Chemistry, Jamia Millia Islamia University, New Delhi.
- Professor Incharge, Dr. Zakir Husain Library, Jamia Millia Islamia, New Delhi.
- Teacher in-charge of Laboratories, Department of Chemistry, Jamia Millia Islamia, New Delhi.
- Assistant Superintendent of the entrance examinations, Jamia Millia Islamia, New Delhi.
- Member of Ph.D. and master course development committee, Taibah University, Madinah, Saudi Arabia.
- Member of the admissions committee of the Ph.D. student selection committee, Jamia Millia Islamia, New Delhi.
- Laboratory in-charge, National Institute of Hydrology, Roorkee.

Social Service:

- Created awareness among the public for food habits to combat cancer.
- Created awareness among the public for water quality awareness and homemade water treatment in urban and rural areas.

- Delivered several lectures in meetings and conferences on awareness of cancer disease and its control in urban and rural areas.
- Donated blood on several occasions in blood donation camps.

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