

Curriculum Vitae (CV)

Dr. Muhammad Aslam

DR. MUHAMMAD ASLAM

Associate Professor – Chemistry
Associate Fellow (AFHEA)
(HEC Approved Ph.D. Supervisor)
 Department of Chemistry
 Division of Science and Technology
 University of Education, College Road,
 Township, Lahore.
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**PERSONAL INFORMATION**

C.N.I.C: 35101-1069713-5
 Marital Status: Married
 Date Of Birth: 02 February, 1984
 Nationality: Pakistani
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 University link <https://ue.edu.pk/empprofile.php?id=21>

OBJECTIVE

To work in an organization having a versatile and comprehensive background with a team of highly motivated and truly competent professionals, where I could turn my knowledge and competence into optimum level of productivity and professional growth.

ACADEMIC QUALIFICATION

Certificate/ Degree	Specialization (Main Subjects)	Board/University	Years Attended		Division
			From	To	
Ph.D.	Inorganic Chemistry	University of Karachi, Karachi, Pakistan.	2011	2014	--
M.Phil.	Chemistry	GC University, Lahore, Pakistan.	2007	2009	1 st
M.Sc.	Industrial Chemistry	GC University, Lahore, Pakistan.	2005	2007	1 st
B.Sc.	Chem., Bot., Zool.	GC University, Lahore, Pakistan.	2003	2005	1 st
HSSC	Pre-Medical	BISE Lahore, Pakistan.	2001	2003	1 st
SSC	Science	BISE Lahore, Pakistan.	1997	1999	1 st

PROFESSIONAL EXPERIENCE

- ❖ **Associate Professor**, Department of Chemistry, Division of Science and Technology, University of Education, College Road, Township, Lahore (**12-10-2020 to date**).
- ❖ **Assistant Professor**, Department of Chemistry, Division of Science and Technology, University of Education, College Road, Township, Lahore (**06-05-2015 to 11-10-2020**).
- ❖ **Assistant Professor** under **IPFP**, Department of Chemistry, Division of Science and Technology, University of Education, College Road, Township, Lahore (**19-06-2014 to 05-05-2015**).
- ❖ **Lecturer**, Department of Chemistry, University of Wah, Wah Cantt-47040 (A Project of Pakistan Ordinance Factories) (**01-05-2010 to 11-07-2010**).
- ❖ **Demonstrator**, Department of Chemistry, University of Wah, Wah Cantt-47040 (A Project of Pakistan Ordinance Factories) (**01-10-2009 to 30-04-2010**).
- ❖ **Teaching Assistant**, Department of Chemistry, GC University, Lahore-54000 (**05-12-2008 to 04-05-2009**).

HONOURS AND AWARDS

- ❖ **ASSOCIATE FELLOW (AFHEA)** in recognition of attainment against the UK Professional Standards Framework for teaching and learning support in higher education (Fellowship Reference: PR240687).
- ❖ Awarded **GOLD MEDAL** for First Class **FIRST POSITION** in **INDUSTRIAL CHEMISTRY** in the Department of Chemistry at **MASTER OF SCIENCE** examinations, **GC University, Lahore** (06-09-2007).
- ❖ University Merit Scholarship in Master of Philosophy (**GC University, Lahore**).
- ❖ First division throughout the academic career.

THESIS TITLES

- ❖ **Doctor of Philosophy**
Synthesis, Biological and Physico-Chemical Evaluations of Novel Schiff Base Ligands and its Transition Metal Complexes.
- ❖ **Master of Philosophy**
Composite Resins as Dental Materials.
- ❖ **Master of Science**
Study of Antifungal and Antioxidant Activities of Essential Oil of *Thymus serpyllum*.

SELECTION IN GOVERNMENT SECTOR AS INTERNEE

- ❖ Internee under NIP-2009 (Phase-III/Batch-IV) NIP Ref. No. 115103-089, NO.SO (S-III) /S & GAD/NIP/7-17/2010 in Govt. of Punjab/Higher Education Department (23-06-2010) for one year.

INTERNSHIP

- ❖ In the **Quality Control Department** of **Medipak Pharmaceutical (Pvt.) Ltd.**

MEMBERSHIPS OF LEARNED SOCIETIES

- ❖ Life member of The **Chemical Society of Pakistan** (*Membership No.: P-0300*).
- ❖ Life member of **Old Ravians Union** (*Membership No.: 5859*).
- ❖ Life member of **International Union of Crystallography** (*IUCr15526*).

REVIEWER/REFEREE OF JOURNALS

- ❖ Journal of Chemical Society of Pakistan, Pakistan.
- ❖ Letters in Organic Chemistry.
- ❖ Pakistan Journal of Chemistry.

SPECIALIZATION IN MASTER OF SCIENCE (INDUSTRIAL CHEMISTRY)

- ❖ Pharmaceutical Chemistry
- ❖ Organic Chemical Industries

MAJOR COURSES STUDIED IN MASTER OF PHILOSOPHY (CHEMISTRY)

- | | |
|-------------------------------------|--------------------------------|
| ❖ Advanced Organic Spectroscopy | ❖ Environmental Chemistry |
| ❖ Advanced Biochemistry | ❖ Advanced Applied Chemistry |
| ❖ Advanced Analytical Chemistry | ❖ Pharmaceutical Chemistry |
| ❖ Principles of Biochemical Process | ❖ Inorganic Material Chemistry |

TEACHING INTEREST

- | | |
|----------------------------|--------------------------------|
| ❖ Inorganic Chemistry | ❖ X-Ray Diffraction Techniques |
| ❖ Organic Chemistry | ❖ Cosmetics Industry |
| ❖ Biochemical Processes | ❖ Dyeing Processes |
| ❖ Fertilizer Industry | ❖ Environmental Chemistry |
| ❖ Pharmaceutical Chemistry | ❖ Analytical Chemistry |

ADMINISTRATIVE/MANAGEMENT EXPERIENCE GC UNIVERSITY, LAHORE

- ❖ **Departmental Assistant Controller of Examination**, Department of Chemistry, GC University, Lahore-54000 (05-12-2008 to 04-05-2009).

RESPONSIBILITIES UNDERTAKEN IN DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WAH, WAH CANTT

- ❖ **Head of**
 - ✓ **Extracurricular Activities Committee**
 - ✓ **Budget and Accounts Committee**
 - ✓ **Departmental Purchasing Committee**
- ❖ **Advisor of Chemist Adventure Society**

HEC APPROVED PH.D SUPERVISOR

- ❖ **Ref. No. HEC/HRD/ASA/2018/30230** Dated: 10-06-2022 to till date.

ADMINISTRATIVE/MANAGEMENT/RESEARCH EXPERIENCE UNIVERSITY OF EDUCATION, TOWNSHIP CAMPUS, LAHORE

ADVISOR

- ❖ **Blood Donation Society**

MEMBER

- ❖ **Timetable Incharge of Division of Science and Technology and Department of Chemistry**
- ❖ **Focal Person of VU-UMS/LMS and In House UMS**
- ❖ **Purchase Committee as Member**
- ❖ **Departmental Disciplinary Committee as Convener**
- ❖ **Admission (*Secrecy*) Committee**
- ❖ **Dengue Committee as member**
- ❖ **Assessment Team Member**
- ❖ **QEC Sub-Coordinator**
- ❖ **Ph.D. Chemistry Committee**
- ❖ **Dissertation Proposal Review Committee**
- ❖ **Secrecy/Conduct of Examinations for Morning and Self-Sustaining Program of Division of Science and Technology**
- ❖ **Scrutinizer for Evening Program**

PARTICIPATION IN 6th ICE 2018 CONFERENCE

- ❖ **Convener of**
 - ✓ **Printing Committee**
- ❖ **Member of**
 - ✓ **Finance and Marketing Committee**
- ❖ **Made agreement with Savour Foods (Dispatch No. 5614, Dated: 26-12-2017) for Sponsorship for ICE-2018**

RESEARCH PROJECT

- ❖ **Startup Research Grant Program (SRGP)**
 - **Principal Investigator**
 - **Title of Research Project**
 - **Design, synthesis and spectroscopic characterization of divalent metal complexes derived from *NN*- and *NO*-donors Schiff base ligands and their biological screening.**
 - **Ref. No. 21-193/SRGP/R&D/HEC/2014** Dated: 28-01-2015
 - **Total Amount = 0.5 Millions**

RESEARCH PROJECT EVALUATED FOR PH.D. RESEARCH PROGRAMME

- ❖ **Title of Project:** Synthesis and Characterization of Novel Chalcogeno Halides of Bivalent and Trivalent Transition Metal.
 - **Name of Research Supervisor:** Dr. Humayun Ajaz
 - Associate Professor
 - Department of Chemistry, UET, Lahore.
 - **Name of Ph.D. Student:** Misbah Umar
 - **Registration No.:** 2014-PhD-Chemistry-02

SUPERVISION OF RESEARCH STUDENTS

- ❖ BS (Hons) Chemistry Thesis supervised: 18
- ❖ MSc Chemistry Thesis supervised: 11
- ❖ MPhil/MS Chemistry Thesis supervised: 23
- ❖ PhD Chemistry Thesis under supervision: 01

CO-SUPERVISION OF RESEARCH STUDENTS

- ❖ BS (Hons) Chemistry Thesis co-supervised: 05
- ❖ MSc (Chemistry) Thesis co-supervised: 03
- ❖ MS (Botany) Thesis co-supervised: 03
- ❖ MS (Botany) Thesis under co-supervision: 04

THESIS EVALUATED OF BS, MSC AND MS/PHIL. CHEMISTRY OF OTHER UNIVERSITIES AS EXTERNAL EXAMINER

- ❖ BS, MSc and MS/Phil. Chemistry = 32

COURSES TAUGHT/BEING TAUGHT AT UNIVERSITY LEVEL

- ❖ *UNIVERSITY OF EDUCATION, TOWNSHIP, LAHORE-54770.*

B.S. (Hons)/B.S. Level

- ✓ Inorganic Chemistry (Theory and Lab) for B.S (Hons) Chemistry-Ist Semester (CHEM-1111)
- ✓ Organic Chemistry (Theory and Lab) for B.S (Hons) Botany-IIIrd Semester (CHEM-2061)
- ✓ Organic Chemistry (Theory and Lab) for B.S (Hons) Chemistry-IIIrd Semester (CHEM-2061)
- ✓ Organic Chemistry (Theory and Lab) for B.S (Hons) Chemistry-IInd Semester (CHEM-2061)
- ✓ Organic Chemistry (Theory and Lab) for B.S (Hons) Botany-IInd Semester (CHEM-2062)
- ✓ Industrial Chemistry (Theory and Lab) for B.S (Hons) Chemistry-IVth Semester (CHEM-2081)
- ✓ Chemistry of Transition Elements (Theory and Lab) for B.S (Hons) Chemistry-Vth Semester (CHEM-3111)
- ✓ Inorganic Material Chemistry (Theory and Lab) for B.S (Hons) Chemistry-VIth Semester (CHEM-3115)
- ✓ Inorganic Chemistry (Paper-I), (Theory and Lab) for B.S (Hons) VIIth Semester (CHEM-4051)
- ✓ Inorganic Reaction Mechanism (Theory) for B.S (Hons) Chemistry-VIIth Semester (CHEM-4111)
- ✓ Inorganic Spectroscopy (Theory) for B.S (Hons) Chemistry-VIIth Semester (CHEM-4115)
- ✓ Organometallics (Theory) for B.S (Hons) Chemistry-VIIth Semester (CHEM-4118)
- ✓ Inorganic Chemistry (Paper-V), (Theory) for B.S VIIIth Semester (CHEM-4056)
- ✓ Symmetry and Magnetochemistry (Theory) for B.S (Hons) Chemistry-VIIIth Semester (CHEM-4120)

M.Sc Level

- ✓ Chemistry of Transition Elements (Theory and Lab) for B.S (Hons) Chemistry-Ist Semester (CHEM-3111)
- ✓ Inorganic Chemistry (Paper-I), (Theory and Lab) for M.Sc IIIrd Semester (CHEM-4051)
- ✓ Inorganic Chemistry (Paper-V), (Theory) for M.Sc IVth Semester (CHEM-4056)
- ✓ Inorganic Reaction Mechanism (Theory) for B.S (Hons) Chemistry-IInd Semester (CHEM-4111)
- ✓ Inorganic Reaction Mechanism (Theory) for B.S (Hons) Chemistry-IIIrd Semester (CHEM-4111)
- ✓ Inorganic Spectroscopy (Theory) for B.S (Hons) Chemistry-IIIrd Semester (CHEM-4115)
- ✓ Symmetry and Magnetochemistry (Theory) for B.S (Hons) Chemistry-VIth Semester (CHEM-4120)

M.S/M.Phil. Level

- ✓ Dyes and Pigments (Theory) for MS Chemistry-Ist Semester (CHEM-5164)
- ✓ X-Ray Diffraction Techniques (Theory) for MS Chemistry-IInd Semester (CHEM-5134)

Ph.D. Level

- ✓ Organometallic Catalysis (Theory) for PhD Chemistry-Ist Semester (CHEM-7121)
- ✓ Industrial Inorganic Pigments (Theory) for PhD Chemistry-IInd Semester (CHEM-7116)

❖ **DEPARTMENT OF CHEMISTRY, GC UNIVERSITY LAHORE-54000.****B.Sc(Hons) Level**

- ✓ Biochemistry-I, (Lab) for B.Sc(Hons) Part-I
- ✓ Physico-Applied Chemistry -I, (Theory) for B.Sc(Hons) Part-III
- ✓ Physico-Applied Chemistry -III, (Theory) for B.Sc(Hons) Part-IV
- ✓ Bio-Organic Chemistry -III, (Lab) for B.Sc(Hons) Part-IV

M.Sc Level

- ✓ Pharmaceutical Chemistry, (Theory) for M.Sc Industrial Chemistry Part-II

❖ **DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WAH, WAH CANTT-47040.****B.Sc(Hons) Level**

- ✓ General Chemistry (Theory) for B.Sc (Hons) IInd Semester
- ✓ Environmental Chemistry (Theory) for B.Sc (Hons) VIth Semester
- ✓ Industrial Chemistry (Theory) for B.Sc (Hons) Vth Semester

M.Sc Level

- ✓ Analytical Chemistry-I (Theory and Lab) for M.Sc Ist Semester
- ✓ Organic Chemistry-I (Theory and Lab) for M.Sc Ist Semester
- ✓ Environmental Chemistry (Theory) for M.Sc IVth Semester
- ✓ Advance Inorganic/Analytical Chemistry Lab for M.Sc IVth Semester

NATIONAL CONFERENCES/WORKSHOPS/SEMINARS/MEETINGS ATTENDED

- ❖ International webinar on “**PIRATES OF CHROMATOGRAPHY TALES OF SHARP PEAKS (NORTH AMERICA)**” by e-Learning Phenomenex on 25 October 2022.
- ❖ International webinar on “**A GUIDE BUILDING YOUR LC METHOD DEVELOPMENT KIT PLUS TIPS ON STORAGE AND CARE - APAC**” by e-Learning Phenomenex on 18 October 2022.
- ❖ International webinar on “**ADVANCES IN GC FOR ENVIRONMENTAL SEMIVOLATILE AND VOLATILE ORGANIC ANALYSIS (NORTH AMERICA)**” by e-Learning Phenomenex on 18 October 2022.
- ❖ International webinar on “**IMPROVEMENTS IN SAMPLE PREPARATION AND LC-MS ANALYSIS OF THERAPEUTIC OLIGONUCLEOTIDES (NORTH AMERICA)**” by e-Learning Phenomenex on 11 October 2022.
- ❖ International webinar on “**WHAT CLEANING A COLUMN CAN'T EACH ABOUT HPLC BASICS (NORTH AMERICA)**” by e-Learning Phenomenex on 6 October 2022.
- ❖ International webinar on “**GC TROUBLESHOOTING TIPS AND TRICKS FROM INLET THROUGH DETECTION - APAC**” by e-Learning Phenomenex on 6 October 2022.

- ❖ Attended **“REVIEWER WORKSHOP: HOW TO GET THE MOST OUT OF BEING A REVIEWER OF SCIENTIFIC ARTICLES”** at APAC Customer Success Hub Workshop, on Wednesday 10 August, 2022. Presented by Dr. Biswanath Dutta Publisher, Prof. Henrik Rudolph Editor-in-Chief, Applied Surface Science.
- ❖ Attended **“EMPOWERING KNOWLEDGE ON ETHICAL PUBLISHING: MASTERING THE ART OF IDENTIFYING PREDATORY, FAKE AND CLONED JOURNALS”** at APAC Customer Success Hub, on Wednesday 08 June, 2022. Presented by Vishal Gupta Senior Customer Consultant-Elsevier, Prof. Sumit Narula Deputy Dean (Research & Publications)-Amity University Gwalior.
- ❖ Attended one day symposium on **“NANOPARTICLES AND THEIR BIOMEDICAL APPLICATION”** held on 9 May 2022. Organized by International Islamic University, Islamabad.
- ❖ Attended **“MENDELEY: AN ESSENTIAL TOOL FOR RESEARCHERS”** on 12 April 2022 by IEEE UTP Student Branch, IEEE Young Professionals Malaysia.
- ❖ Attended and international online training program on **“ROLE OF INNOVATIVE PRIMARY HEALTH CARE (PHC) FOR SUSTAINABLE DEVELOPMENT”** organized by African-Asian Rural Development Organization (AARDO) and Indian Institute of Technology Madras on 22-25 March 2022.
- ❖ Workshop attended on **“EFFECTIVE RESEARCH WRITING”** organized by Department of Physics, RIPHAH International University, Lahore and Faculty of Applied Sciences and Technology (FAST) on 13 March 2020.
- ❖ Organized **“1st INTERNATIONAL CONFERENCE (ONLINE) TRENDS AND RESEARCH IN CHEMISTRY (TRIC 2022)”** on 18-19 January 2022 at Department of Chemistry, University of Education, Lahore.
- ❖ Organized a joint five-day online Training Workshop, **FACULTY ORIENTATION TRAINING PROGRAM**, from February 22-26, 2021 (Monday – Friday), by Punjab Higher Education Commission (PHEC).
- ❖ Organized (Secretary) an International Webinar on **“PROCESS AND MACHINE LEARNING TO DELIVER INDUSTRY 4.0 TO THE FOOD AND DRINK MANUFACTURE SECTOR”** by Dr. Nicholas Watson held on 21 August 2020 under Alchemist of Department of Chemistry, Division of Science and Technology, University of Education, College Road, Lahore.
- ❖ **PAKLAB 2017 - PAKISTAN’S 1ST INTERNATIONAL LABORATORY AND ANALYTICAL EQUIPMENT EXHIBITION** on 09-10 December. Organized by B2B Media at Lahore International Expo Centre, Pakistan.
- ❖ Attended one day seminar on **“SINTERED NICKEL-CHROMIUM COMPOSITE WITH SOLID LUBRICANTS”** held on 30 October 2019 under Department of Chemistry, Division of Science and Technology, University of Education, College Road, Lahore, Pakistan.
- ❖ **1st NATIONAL WORKSHOP ON CLASSICAL AND INSTRUMENTAL ANALYTICAL TECHNIQUES FOR DIFFERENT TYPES OF ROCKS AND MINERALS** on 08-12 May 2017. Organized by Ministry of Petroleum and Natural Resources, Geoscience Advance Research Laboratories, Geological Survey of Pakistan, Islamabad.
- ❖ **5th INTERNATIONAL CONFERENCE ON EDUCATION 2017 “EDUCATION IN PAKISTAN: BUILDING BRIDGE BETWEEN MATHEMATICS, SCIENCE AND TECHNOLOGY AND TEACHER EDUCATION”** on 24-26 March 2017. Organized by Division of Education, University of Education, College Road, Township, Lahore, Pakistan.
- ❖ Short Course on **“LATEST TRENDS IN GREEN CHEMISTRY”** on 9-11 August 2016. Organized by Pakistan Institute of Engineering and Applied Sciences (PIEAS), Department of Nuclear Engineering, Nilore, Islamabad, Pakistan.
- ❖ **“INTERNATIONAL CONFERENCE ON BIO-ENERGY: BIO-METHANE: AN ALTERNATIVE FUEL AND ITS CONVERSION TO CNG”** on 26-27 August 2014. Jointly organized by the Lahore Chamber of Commerce and Industry, Pakistan Council of Scientific and Industrial Research (PCSIR), Umeed Foundation Trust and Government of Punjab.
- ❖ **“14th ASIAN SYMPOSIUM ON MEDICINAL PLANTS, SPICES AND OTHER NATURAL PRODUCTS”** on 09-12th December, 2013. Organized by H.E.J. Research

Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.

- ❖ Workshop on “**ATMOSPHERIC CHEMISTRY WHAT’S AT RISK**” on 28-29 December, 2012. Organized by The Department of Chemistry, University of Karachi, Karachi, Pakistan.
- ❖ “**PAK-US WORKSHOP ON APPLICATIONS OF NANOTECHNOLOGY**” on 29-30th May, 2012. Organized by H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan and National Science Foundation USA Pakistan.
- ❖ Workshop on “**DEVELOPING SKILLS FOR THE INTERPRETATION OF 1D AND 2D NMR SPECTRAL DATA FOR THE STRUCTURE DETERMINATION OF ORGANIC MOLECULES**” on 25-26 April, 2012. Organized by Latif Ebrahim Jamal National Science Information Center (International Center for Chemical and Biological Sciences), University of Karachi, Karachi under the Virtual Education Project Pakistan (Higher Education Commission, Pakistan).
- ❖ Workshop on “**HOW TO WRITE A WINNING SCIENTIFIC RESEARCH PROPOSAL?**” on 24th September, 2011. Organized by Latif Ebrahim Jamal National Science Information Center (International Center for Chemical and Biological Sciences), University of Karachi, Karachi under the Virtual Education Project Pakistan (VEPP) and Higher Education Commission, Pakistan.
- ❖ “**9th INTERNATIONAL AND 21st NATIONAL CHEMISTRY CONFERENCE 2011**” on 14-16 March, 2011. Jointly organized by The Department of Chemistry and International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan (Under the Auspices of The Chemical Society of Pakistan).
- ❖ On-line lecture on “**COMMON DISEASES IN PAKISTAN**” from 23rd January to 16th March, 2012. Organized by Latif Ebrahim Jamal National Science Information Center (International Center for Chemical and Biological Sciences), University of Karachi, Karachi under the Virtual Education Project Pakistan (VEPP).
- ❖ National workshop on “**CHEMICAL LABORATORY SAFETY AND SECURITY IN UNIVERSITIES OF PAKISTAN**” on 22-23 February, 2011 at H.E.J. Research Institute of Chemistry, University of Karachi, Karachi. Organized by Higher Education Commission of Pakistan and H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.

PAPERS PRESENTED IN NATIONAL CONFERENCES / SEMINARS

- ❖ **Muhammad Aslam**, Muhammad Tahir Hussain, Rashad Mehmood and Muhammad Khalid, Synthesis and evaluation of a novel phenylquinoline derivative in 29th National and 17th International Chemistry Conference (Chemical Sciences for Sustainable Development) organized by Institute of Chemical Sciences University of Peshawar, Pakistan on 06-08, September 2018 (ISBN: 978-969-23311-0-4).
- ❖ A. Naem, **M. Aslam**, Z. Noreen, Application of Schiff Base Cadmium (II) Complex to Ameliorate Salt Stress in Two Lentil (*Lens culinaris*) Varieties (ICE-BOT-OL-336) in 6th International Conference on Education (Science Beyond Classroom) organized by University of Education, Lahore on 15-17, March 2018 (ISBN: 978-969-23301-0-7).
- ❖ M. T. Hussain, **M. Aslam**, Halogen substituted isocoumarins (ICE-CHEM-OL-349) in 6th International Conference on Education (Science Beyond Classroom) organized by University of Education, Lahore on 15-17, March 2018 (ISBN: 978-969-23301-0-7).

POSTER PRESENTED IN NATIONAL CONFERENCES / SEMINARS

- ❖ A. Latif, **M. Aslam**, Z. Noreen, Assessment of Sunflower Plants under Different Concentrations of Schiff Based Cu (II) Complex (ICE-BOT-POS-341) in 6th International Conference on Education (Science Beyond Classroom) organized by University of Education, Lahore on 15-17, March 2018 (ISBN: 978-969-23301-0-7).
- ❖ **M. Aslam**, W. B. Khalid, H. H. Khan, M. T. Hussain, Synthesis, Characterization, Molecular Docking and Biological Activities of Novel Schiff Bases (ICE-CHEM-POS-386) in 6th International Conference on Education (Science Beyond Classroom) organized by University of Education, Lahore on 15-17, March 2018 (ISBN: 978-969-23301-0-7).
- ❖ S. Iqbal, M. K. Shahid, **M. Aslam**, S. Masood, I. Ahamd, Determination of the levels of caffeine concentration, pH and acidity in imported energy drinks of Lahore, Pakistan (ICE-CHEM-POS-387) in 6th International Conference on Education (Science Beyond Classroom)

organized by University of Education, Lahore on 15-17, March 2018 (ISBN: 978-969-23301-0-7).

REFERENCES

DR. ITRAT ANIS

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Department of Chemistry

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DR. MUHAMMAD TAHIR HUSSAIN

Professor (Chemistry)

Dean Faculty of Science

Department of Applied Sciences

National Textile University

Faisalabad, Pakistan.

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LIST OF PUBLICATIONS

A. Papers Published in International/National Journals

- 1) Atiyyah Bano, Zahra Noreen, Fariha Tabassum, Fizza Zafar, Madiha Rashid, **Muhammad Aslam**, Anis Ali Shah, Adnan Noor Shah, Mariusz Jaremko, Noura Alasmael, Nader R. Abdelsalam and Mohamed E. Hasan (2022) Induction of salt tolerance in Brassica rapa by nitric oxide treatment. *Frontiers in Plant Science*, 13:995837. doi: 10.3389/fpls.2022.995837
- 2) Afifa Noor, Hamad Khalid, **Muhammad Aslam**, Akhtar Hayat, Ather Farooq Khan, Muhammad Nasir, Aqif Anwar Chaudhry and Mian Hasnain Nawaz. Graphene oxide reinforced silk fibroin nanocomposite as an electroactive interface for the estimation of dopamine. *RSC Advances*, 2022, 12, 29319–29328. <https://doi.org/10.1039/d2ra05585f>
- 3) **Muhammad Aslam**, Sajid Iqbal, Zahra Noreen, Itrat Anis, Abrar Hussain, Shahid Masood, Mahmood Ahmed, Muhammad Kamran Shahid, Aamir Ali, Quantitative determination of caffeine in imported energy drinks of Lahore, Pakistan, *Journal of Natural and Applied Sciences Pakistan*, 4(1), 839-849 (2022).
- 4) Gulshan Jabeen, Muhammad Hassan Ahmad, **Muhammad Aslam**, Sara Riaz, Akhtar Hayata and Mian Hasnain Nawaz, N-Doped graphene quantum dots (N-GQDs) as fluorescent probes for detection of UV induced DNA damage. *RSC Advances*, 12, 22458–22464 (2022)
- 5) **Muhammad Aslam**, Aamir Ali, Zahra Noreen, Muhammad Tahir Hussain, Itrat Anis, Misbah Irshad, Rabia Akram Bajwa, Nuzhat Munawar, Examination of lead and cadmium contents in commercial paints and varnishes marketed in Punjab province of Pakistan, *Journal of Natural and Applied Sciences Pakistan*, 3(2), 764-774 (2021).
- 6) M. Irshad, S. B. Jamal, M. Faheem, **M. Aslam**, S. S. Shafqat and A. Kanwal, In silico Approach Towards the Prediction of Drug-Likeness; Synthesis and *In Vitro* Evaluation of Biphenyl Derivatives, *Russian Journal of General Chemistry*, 91(6), 1082-1090 (2021).
- 7) **Muhammad Aslam**, Ayesha Idress, Misbah Irshad, Asad Gulzar, Syed Salman Shafqat, Amina Asghar, Zahra Noreen, Muhammad Khalid, Rashid Mehmood and Umair Ahmad, Process validation of mefenamic acid tablets by spectroscopic method, *Biologia*, 67(I), 65-73 (2021).
- 8) **Muhammad Aslam**, Asad Gulzar, Rashad Mehmood, Zahra Noreen, Ghania Asad, Syed Salman Shafqat, Muhammad Faizan, Misbah Irshad, Synthesis, characterization, biological screening and determination of stability constants of *N,N'*-Bis[1-(4-chlorophenyl)ethylidene]ethane-1,2-diamine, *SN Applied Sciences (SNAS)*, 3:22 (2021).
- 9) M. Nosheen, A. A. Khan, M. Salman, S. S. Shafqat, M. Sajid, M. Rizwan, **M. Aslam** and F. Ijaz, Comparative study of adsorptive removal of oxyanion ($\text{Cr}_2\text{O}_4^{2-}$) from aqueous media over unmodified and magnetically modified *Melia azedarach*, IOP Conference Series: Materials Science and Engineering. 1101 (2021) 012031. doi:10.1088/1757-899X/1101/1/012031
- 10) **Muhammad Aslam**, Asad Gulzar, Amina Asghar, Misbah Irshad, Zahra Noreen, Sadaf Javaid, Abrar Hussain, Umair Ahmad and Samreen Kousar, Development of a new method for the validation of levofloxacin by UV-Spectrophotometer, *Biologia*, 66(II), 147-153 (2020).
- 11) Iqra Liaqat, Naseer Iqbal, **Muhammad Aslam**, Muhammad Nasir, Akhtar Hayat, Dong Xue Han, Li Niu, Mian Hasnain Nawaz, Co_3O_4 nanocubes decorated single-walled carbon nanotubes for efficient electrochemical non-enzymatic glucose sensing, *SN Applied Sciences (SNAS)*, 2:1756 (2020).
- 12) Muhammad Usman Khan, Riaz Hussain, Muhammad Yasir Mehboob, Muhammad Khalid, Zahid Shafiq, **Muhammad Aslam**, Abdulaziz A. Al-Saadi, Saba Jamil, and Muhammad Ramzan Saeed Ashraf Janjua, In Silico Modeling of New “Y-Series”-Based Near-Infrared Sensitive Non-

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