



Chemistry Section, School of Sciences
Maulana Azad National Urdu University (Central University)
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DR QASIM ULLAH ASSISTANT PROFESSOR (CHEMISTRY)

CURRENT DESIGNATION/ INVOLVEMENT

Assistant Professor (Chemistry) in Physical Science Section, School of Sciences, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India.

AREA OF SPECIALIZATION

1. Environmental Chemistry
2. Green Chemistry , Supramolecular Chemistry

ONGOING ACADEMIC RESEARCH/PROJECTS

Academic research:

1. Computational design, synthesis and biological evaluation of antipsychotic and antidepressant molecules
2. Synthesis, Characterization and physicochemical investigation of novel push- π -pull chromophores
3. Synthesis and photophysical properties of novel heterocyclic donor- π -acceptor chromophores as fluorescent chemosensor for the detection of metal ions

INNOVATION WITH FIELD OF STUDY AND COLLABORATIVE EFFORTS

ACADEMIC AND ADMINISTRATIVE EXPERIENCE

1. Academic Coordinator, B.Sc. Department of Chemistry, School of Sciences, MANUU
2. Academic Coordinator, Ph.D. Chemistry, School of Sciences, MANUU
3. Academic Coordinator, Department of Zoology, MANUU. (1st Jan.2019 to 26th Nov. 2020)
4. Department of Chemistry Coordinator for Internal Quality

- Assurance Cell. (16th May 2018 to till now)
5. Programme Coordinator of Chemistry in Directorate of Distance Education, MANUU.
 6. Chief Examiner for conduct of evaluation of answer scripts of Chemistry of UG/PG/Certificate/Diploma (Distance Mode) Programme.
 7. External Examiner in Polytechnic and CSIT, MANUU
 8. Polling Officer Student Union Election MANUU
 9. Member Hospitality of National Urdu Science Congress.
 10. Warden, Boys hostel II, MANUU (Nov. 2014- May 2018)
 11. Assistant Proctor in Proctorial Team (2018-2021)

EDUCATIONAL
QUALIFICATION

- M.aster of Philosophy (M.Phil) in Chemistry 1993 and
- Doctro **OF PHILOSOPHY (Ph.D.), CHEMISTRY 1998.**
Department of Chemistry, Aligarh Muslim University, Aligarh. UP

TEACHING PROFICIENCY

Physical and Life Sciences (Chemistry)

RESEARCH PUBLICATION
DETAILS

1. Rajendra S.Chavan, **Qasim Ullah**, Dharmveer SinghYadav, Sabreena Yameen Pathan , and Pathan Mohd Arif (2021) A green approach for the determination and identification of Entacaponepolymorphs in an active pharmaceutical ingredient and drug products by FTIR through absorbance mode . Analytical Chemistry Letters . 11(6), 828-836,
2. **Qasim Ullah** and Salman Ahmad Khan & Ali Mohammad (2021) Applications of green solvents in thin-layer chromatography (TLC)-An Overview. Journal of Planar Chromatography-Modern- TLC 34:5-29.
3. Salman A. Khan' **Qasim Ullah**, Salahuddin Syed, Alimuddin, Abdulraheem S. A. Almalki Sanjay Kumar' Rami J.Obaid Meshari A.AlsharifS.Y.Alfaifi, Humaira Parveen. Microwave assisted one-pot synthesis, photophysical and physicochemical studies of novel biologically active heterocyclic Donor (D)- π -Acceptor (A) (2021) Chromophore. Bioorganic Chemistry , 104964
4. SalmanA.Khan' **Qasim Ullah**' Abdulraheem S.A.Almalki'

- SanjayKumar, Rami J.Obaid, Meshari A.Alsharif, S.Y.Alfaifi, Authar AdilHashmi (2021) Synthesis and photophysical investigation of (BTHN) Schiff base as off-on Cd²⁺ fluorescent chemosensor and its live cell imaging. Journal of Molecular Liquids. 328 : 115407.
5. Salman A.Khan, **QasimUllah**, SalahuddinSyed, Alimuddin, Abdulraheem S.A.Almalki, Rami J.Obaid, Meshari A.Alsharif, S.Y.Alfaifi, SanjayKumar (2021) Multi-Step Synthesis, Physicochemical investigation and optical properties of pyrazoline derivative: A Donor- π -Acceptor Chromophore. Journal of Molecular Structure. 1227:129667.
 6. **Qasim Ullah** (2020) Separation and analysis of heavy metal ions by thin-layer chromatography (TLC)-A mini-review (2000-2019) *Journal of Planar Chromatography* 33:1-12.
 7. **Qasim Ullah and A Mohammad** (2020) Determination of vitamins by TLC/ HPTLC- A mini review. *Journal of Planar Chromatography* .33:429-437.
 8. **Qasim Ullah N Fatima and A Mohammad** (2020) Detection reagents used for on-plate identification of organic pesticides in biological samples with preliminary separation by TLC/ HPTLC. *Journal of Planar Chromatography*. 33:533-546.
 9. Abdullah M Asiri, Mona Mohammad Al-Amari, **Qasim Ullah**, Salman A Khan (2020) Ultrasound-assisted synthesis and photophysical investigation of novel heterocyclic alkylated chalcone: A highly sensitive and selective fluorescent chemosensor for the Fe³⁺ in aqueous media. *Journal of Coordination Chemistry*. 73:2987-3002.
 10. **Qasim Ullah**, A Mohammad, M Khan, SS Aziz, PF Rahman, F Mohammad (2018) Detection reagents used in on- plate identification of amino acids by thin-layer chromatography: A Review. *Journal of Liquid Chromatography & Related*

Technologies. 41:595-603.

11. **Qasim Ullah**, A Mohammad, M Khan, F Mohammad (2018) Efficacy of Ionic liquids as green mobile phase system in thin layer chromatography of amino acids. Asian Journal of Research in Chemistry and Pharmaceutical Sciences. 6:92-107.
12. **Qasim Ullah**, A Mohammad, M Khan, F Mohammad (2018). Polyaniline modified silica gel coupled with green solvent as eco-favourable mobile phase in thin-layer chromatographic analysis of organic dyes. Applied chemical Engineering, 1, doi:10.24294/ace.v1i4.747 (En Press United States) .
13. **Qasim Ullah**, J Mohamed, M S Reddy K (2018) Molecular modelling and molecular docking studies of natural compounds against Parkinson disease. International Journal of Pharma Research and Health Sciences. 6:2437-2442.
14. **Qasim Ullah**, J Mohamed, Jayasree D, Sai Priya SV (2018) Insilico studies of natural compounds as periplasmic nitrate reductase inhibitotrs. International Journal of Pharmacy and Biological Sciences. 6:488- 493.
15. **Qasim Ullah**, N. Fathima, P. Raveendra Reddy, M. Brahmaiah, G Abdul Huq (2017) Development and validation of stability indicating RP-HPLC method for determination of impurities in Rilpivirine hydrochloride capsules, World Journal of Pharmacy and Pharmaceutical Sciences, 7:1118- 1134.
16. Dr. S S Aziz, H Shamoona, **Dr. Qasim Ullah** (2017) Eco-friendly bio-sorbents of synthetic dye methylene blue. International Journal for Research in Applied Science & Engineering Technology. 5:588-1593.
17. S S Aziz, S Mushtaq, N Begum, **Qasim Ullah** (2017) Adsorption studies of acetic acid removal from waste water using seeds of Brassica nigra. Journal of Engineering Research and Application 7:1-3.

18. A Mohammad, M Khan, **Qasim Ullah**, F Mohammad (2017) Effective separation of organic dyes using ionic liquids as green mobile phase and poly-aniline modified silica gel nano-composite based thin-layer chromatography. *Journal of Analytical Science and Technology*. 8-18.
19. **Qasim Ullah**, A Mohammad, and M Khan (2017) Micro-emulsion in chemical analyses by thin-layer chromatography – A Review. *Journal of Planar Chromatography* 30:1–10.
20. **Qasim Ullah**, A Mohammad, M Khan, R Mobin (2017) Thin layer chromatography in the analysis of surfactants : At a glance. *Journal of Liquid Chromatography & Related Technologies*. 2017.
21. **Qasim Ullah**, A Mohammad and R Mobin (2016) Surfactants as separation modifiers in chemical analyses by thin-layer chromatography: A Review. *Journal of Planar Chromatography* 29:1–11.
22. **Qasim Ullah**, M Rafatullah, O Sulaiman, R Hashim, A Ahmad, (2011) Thermodynamic parameters for adsorption equilibrium of methylene blue from aqueous solutions with low-cost adsorbents, *Journal of Industrial Research & Technology* 1:92-96.
23. **Qasim Ullah**, A Ahmad, M Rafatullah, O Sulaiman, R Hashim, (2011) Role of sawdust in adsorption of Zn^{2+} and Cd^{2+} ions from aqueous system. *Journal of Industrial Research & Technology* 1:6-11.
24. **Qasim Ullah**, A Ahmad, M Rafatullah, (2009) Solvent polarity as a function of retardation factor in thin-layer chromatography of selected nitro functions: Two mixed solvents. *IUP Journal of Chemistry*. II (4):55-66.
25. A Ahmad, **Qasim Ullah**, S. M A. Andrabi, and P M. Qureshi (1996) Solvent polarity as a function of R_F in thin-layer chromatography of selected nitro functions, *Journal of*

Chromatographic Science, 34(8):376–378

• **Book Chapters:**

1. Haseeb A. Khan, **Qasim Ullah**, Arif Ahmad, Abdullah S. Alhomida, Salman H. Al Rokayan, Methods of Trace Amine Analysis in Mammalian Brain. In Trace Amines as a Risk Factor for Neurological Disorders: Potential Mechanisms and Risk Factors, **Oxford: Academic Press, Elsevier**, 2016, 11-26. 1st Edition, eBook ISBN: 9780128036167, Hardcover ISBN: 9780128036037
2. **Qasim Ullah**, A. Mohammad, P.F. Rahman, M Khan (**2018**) Removal of Malachite green from water and waste water by low cost adsorbents 262-291 ISSN/ISBN- 978-1- 945291-70-8 (International)
3. **Qasim Ullah**, M F Ahmer (**2022**) Applications of Switchable Solvents in Science and Technology. 39-59. (**Elsevier**)

DETAILS OF
CONFERENCE/SEMINAR
/WORKSHOP/ FDP
(ATTENDED/PRESENTED)

FACULTY DEVELOPMENT PROGRAMMES:

1. **Orientation Course** organized by UGC-Human Resource Development Centre, AMU, Aligarh during the period 24th May 2016 to 17th June 2016 and obtained grade 'A'.
2. **Refresher Course** organized by UGC-Human Resource Development Centre, AMU, Aligarh during the period 23rd June 2018 to 13th July 2018 and obtained grade 'A'.
3. **Orientation Programme on Open & Distance Learning Multimedia Programme Production**, organized by Instructional Media Centre, Maulana Azad National Urdu University, Hyderabad. 27th Feb. to 6th March, 2017.
4. **Short Term Course for Training Programme on Academic Leadership** organized by UGC-Human Resource Development Centre, AMU, Aligarh at Maulana Azad National Urdu University, Hyderabad. *1st May 2017 to 6th May, 2017,*
5. UGC-Sponsored Short Term Course on "**E-Content Development and Online Pedagogy**" from 24th to 29th July 2020.
6. UGC-Sponsored online Short Term Course on "**Research Methodology in Sciences**" from 5th to 10th Oct. 2020

PAPERS PRESENTED AT CONFERENCES:

TRAINING & WORKSHOPS PARTICIPATED:

1. Online Workshop Certificate Online Teaching with MOODLE Organized by Department of Education and Education Technology, School of Social Sciences, University of Hyderabad held on 17th June 2020.
2. Recorded Video lecture series as resource person for the development of Course material for B.Sc. (Chemistry) at Instructional Media Centre, MANUU.

DETAILS OF KEYNOTE
SPEAKER/RESOURCE
PERSON/ SESSION CHAIR
ETC.

SESSION CHAIRED/PANEL DISCUSSION IN CONFERENCES:

1. National Urdu Science Congress organized by School of Sciences and Centre for Promotion of Knowledge in Urdu at MANUU, Hyderabad. Sixth Session on Chemistry, 28th Feb. 2018.
2. National Urdu Science Congress organized by School of Sciences and Centre for Promotion of Knowledge in Urdu at MANUU, Hyderabad. Sixth Session on Chemistry, 1st March 2019.
3. One day Webinar on the eve of "International Day of Immunology 2021" sponsored by Indian Immunology Society, AIIMS, New Delhi, organized by School of Sciences (Zoology), Maulana Azad National Urdu University, Hyderabad. 29th April 2021.

ACHIVEMENTS

REVIEWER OF THE JOURNALS / FUNDING AGENCY:

- * *Energy and Environment 2022*
- * *Journal of Nanomaterials*
- * *European Food Research and Technology 2021*
- * Saudi Journal of Biological Sciences 2018
- * Journal of King Saud University 2018

DETAILS OF SUPERVISION
(M.PHIL/M.TECH/P.HD.)

1. **Mrs Nahid Fatema (PhD student) Title of the thesis "Study of Correlation of viral load and epigenetic modification of genomic and HPV-DNA in pre-cancerous and cancer stages of cervical cancer" (Since 2018)**
2. **Mr Md Mohsin (PhD student) Title of the thesis " Synthesis and photophysical properties of novel heterocyclic donor $-\pi$ acceptor chromophores as a fluorescent chemosensor for the detection of metal ions. (Since 2020)**
3. **Ms Samrin KausarAbdul Rauf (PhD student) Title of the thesis**

“Synthesis, Characterization and physiochemical investigation of novel push- π pull chromophores”. (Since 2020)

PROFESSIONAL
MEMBERSHIPS

1. Member of **School Board** School of Sciences from **2016- 2019**.
2. Member of BOS Department of Chemistry, School of Sciences, **MANUU Hyderabad** from **September 2014- 2019**
3. Member of BOS Department of Chemistry Anwarul-uloom Degree College **Mallaypally, Hyderabad** from **2018 to till date** .
4. **Elected Member:** Executive Committee Member of MANUTA (**Maulana Azad National Urdu Teachers Association**) from **September 2014- till date**
5. Life member “*The Indian Science Congress Association*” Kolkata, India.
6. Member of Departmental Research Committee for Department of Chemistry, MANUU.

PERSONAL DETAILS

Father’s Name : Mr. (Late) Naim Ullah
Date of Birth : Ist Jan 1970
Gender : Male
Marital Status : Married
Nationality : Indian
Language Known : Urdu, English, Hindi

Date: March 2022
Place: Hyderabad

Dr Qasim Ullah
(*Your Full Name Here*)

[Last update on: March 2022]