

CURRICULUM VITAE



1- Personal Details

Name : MOHAMMAD KASHIF UDDIN
Date of Birth : 21 /07/1984
Nationality : Indian
Mobile : +966-501722461
Email : mohdkashifchem@gmail.com (primary), m.kashifuddin@mu.edu.sa (official)
Address : 1. Department of Chemistry, College of Science, Majmaah University, Zulfi 11932, Saudi Arabia; 2. Basic Engineering Sciences Department, College of Engineering, Majmaah University, Majmaah 11952, Saudi Arabia

Major Area of specialization: Applied Chemistry

2- Education & Qualifications

<i>Date</i>	<i>Degree</i>	<i>University name</i>	<i>Country</i>	<i>Title of the Dissertation</i>
2012	Ph.D. (Applied Chemistry)	Aligarh Muslim University	India	Removal of toxic metals from aqueous solution by adsorption
2008	M.Phil. (Applied Chemistry)	Aligarh Muslim University	India	Reversed Phase Thin Layer Chromatography Of Transition Metal Cations
2006	M.Sc. (Physical Chemistry)	Chaudhary Charan Singh University	India	

3- Professional Activities:

<i>Date</i>	<i>Job Title</i>	<i>Place</i>	<i>Country</i>
2013- continued	Assistant Professor	Basic Engineering Science Department, College of Engineering, Majmaah University; Department of Chemistry, College of Science, Majmaah University	Kingdom of Saudi Arabia

4- Areas of Specialization

- Adsorption science and technology
- Water treatment
- Environmental chemistry
- Nanomaterials
- Statistical analysis

5- Languages

- English – Read, write, speak
- Hindi – Read, write, speak
- Urdu – Read, speak
- Arabic – Read

6- Publications

(a) Research Papers:

- Umair Baig, **Mohammad Kashif Uddin**, MA Gondal (2019) Removal of hazardous azo dye from water using synthetic nano adsorbent: Facile synthesis, characterization, adsorption, regeneration and design of Experiments. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (Elsevier) Accepted. <https://doi.org/10.1016/j.colsurfa.2019.124031>

- **Mohammad Kashif Uddin**, Sameh S. Ahmed, Mu Naushad (2019) A mini update on fluoride adsorption from water mixtures onto clay materials. *Desalination and Water Treatment (Miriam Balaban Publishing)* 145, 232-248. <https://doi.org/10.5004/dwt.2019.23509>
- **Mohammad Kashif Uddin**, Umair Baig (2018) Facile synthesis of Co_3O_4 nanoparticles and their performance towards methyl orange dye removal: Characterization, adsorption and response surface methodology. *Journal of Cleaner Production (Elsevier)* 211, 1141-1153. <https://doi.org/10.1016/j.jclepro.2018.11.232>
- **Mohammad Kashif Uddin**, Rifaqat A.K. Rao, K.V.V. Chandra Mouli (2018) The artificial neural network and Box-Behnken design for Cu^{2+} removal by the pottery sludge from water samples: Equilibrium, kinetic and thermodynamic studies. *Journal of Molecular Liquids (Elsevier)* 266, 617-627. <https://doi.org/10.1016/j.molliq.2018.06.098>
- Khatoon, **Mohammad Kashif Uddin**, Rifaqat A.K. Rao (2018) Adsorptive remediation of Pb (II) from aqueous media using *Schleichera oleosa* bark. *Environmental Technology & Innovation (Elsevier)* 11, 1-14. <https://doi.org/10.1016/j.eti.2018.04.004>
- **Mohammad Kashif Uddin**, Mukhtar Salah (2018) Statistical analysis of Litchi chinensis's adsorption behavior toward Cr(VI). *Applied Water Science (Springer)* 8, 140. <https://doi.org/10.1007/s13201-018-0784-9>
- **Mohammad Kashif Uddin** (2017) A review on the adsorption of heavy metals by clay minerals, with special focus on the past decade. *Chemical Engineering Journal (Elsevier)* 308, 438-462. <https://doi.org/10.1016/j.cej.2016.09.029>
- Rifaqat A.K. Rao, **Mohammad Kashif Uddin** (2016) Adsorption studies of Cd (II) on ball clay: comparison with other natural clays. *Arabian Journal of Chemistry (Elsevier)* 9, 1233-1241. <https://doi.org/10.1016/j.arabjc.2012.01.010>
- Rifaqat A.K. Rao, S. Ikram, **Mohammad Kashif Uddin** (2015) Removal of Cr (VI) from aqueous solution on seeds of *Artimisia absinthium* (novel plant material). *Desalination and Water Treatment (Taylor and Francis)* 54, 3358-3371. <https://doi.org/10.1080/19443994.2014.908147>

- M.A. Khan, **Mohammad Kashif Uddin**, R. Bushra, A. Ahmad, S.A. Nabi (2014) Synthesis and characterization of polyaniline Zr (IV) molybdophosphate for the adsorption of phenol from aqueous solution. *Reaction Kinetics, Mechanisms and Catalysis (Springer)* 113, 499-517. <https://doi.org/10.1007/s11144-014-0751-x>
- Rifaqat A.K. Rao, S. Ikram, **Mohammad Kashif Uddin** (2014) Removal of Cd (II) from aqueous solution by exploring the biosorption characteristics of gaozaban (*Onosma bracteatum*). *Journal of Environmental Chemical Engineering (Elsevier)* 2, 1155-1164. <https://doi.org/10.1016/j.jece.2014.04.008>
- Rifaqat A.K. Rao, **Mohammad Kashif Uddin** (2014) Kinetics and isotherm studies of Cd (II) adsorption from aqueous solution utilizing seeds of bottlebrush plant (*Callistemon chisholmii*). *Applied Water Science (Springer)* 4, 371-383. <https://doi.org/10.1007/s13201-014-0153-2>
- Rifaqat A.K. Rao, **Mohammad Kashif Uddin** (2012) Adsorption properties of coriander seed powder (*Coriandrum sativum*): extraction and pre-concentration of Pb (II), Cu (II) and Zn (II) ions from aqueous solution. *Adsorption Science and Technology (Sage publication)* 30, 127-146. <https://doi.org/10.1260/0263-6174.30.2.127>
- Rifaqat A.K. Rao, F. Rehman, **Mohammad Kashif Uddin** (2012) Removal of Cr (VI) from electroplating wastewater using fruit peel of Leechi (*Litchi chinensis*). *Desalination and Water Treatment (Taylor and Francis)* 49, 136-146. <https://doi.org/10.1080/19443994.2012.708211>
- Rifaqat A.K. Rao, **Mohammad Kashif Uddin** (2012) Pottery glaze—An excellent adsorbent for the removal of Cu (II) from aqueous solution. *Acta Geochemica (Springer)* 31, 136-146. <https://doi.org/10.1007/s11631-012-0560-8>

(b) **Book Chapters:**

- **Mohammad Kashif Uddin**, Rehman, Z., Application of Nanomaterials in the Remediation of Textile Effluents from Aqueous Solutions, In: ul-Islam, S., Butola, B.S. (Eds) *Nanomaterials in the Wet Processing of Textiles, John Wiley & Sons, Inc., (2018) pp. 135-161.* <https://doi.org/10.1002/9781119459804.ch4>

- **Mohammad Kashif Uddin**, Rani Bushra, Synthesis and Characterization of Composite Cation-Exchange Material and Its Application in Removing Toxic Pollutants, In: N. Anjum, S. Gill, N. Tuteja (eds) *Enhancing Cleanup of Environmental Pollutants. Springer, Cham, (2017), page no. 297-311.* https://doi.org/10.1007/978-3-319-55423-5_9
- **Mohammad Kashif Uddin**, P Fazul Rahaman, A study on the potential applications of rice husk derivatives as useful adsorptive material, In: Inamuddin, A. Mohammad, A.M. Asiri (eds) *Inorganic Pollutants in Wastewater: Methods of Analysis, Removal and Treatment, Materials Research Forum, (2017) page no. 149-186*
<http://dx.doi.org/10.21741/9781945291357-4>

7- Conferences

- Attended International Conference on “Chemistry: Frontiers & Challenges” 5-6 march, 2011 at Department of Chemistry, Faculty of Science, Aligarh Muslim University, Aligarh, India
- Paper presented in National Conference on “Hydrocarbon, Energy and Environment (*HEEcon-2012*)” 25 Feb. 2012 at Department of Petroleum Studies, Z.H. College of Engineering and Technology, Aligarh Muslim University, Aligarh, India
- Attended National Conference on “New Vistas In Chemistry” 3rd March 2012 at Department of Chemistry, Faculty of Science, Aligarh Muslim University, Aligarh, India.

8- Research Projects and Awards

- Awarded two research projects granted by Deanship of Scientific Research, Majmaah University, Majmaah, KSA in 2015 and 2017.
- Won the best paper award in the scientific research exhibition, 2018.
- Academic Excellence Award, 2018

8- Research Interests

- Removal of various toxic pollutants from aqueous solution
- Finding, synthesis and characterization of novel nanomaterials
- To develop the new and improved technologies for wastewater treatment
- To reduce the environmental health risks
- Modeling and statistical optimization of the data

9- Computer Skills

- Basic computer skills
- Knowledge of MS word, MS excel, MS power point, Scientific softwares (Minitab, Matlab, R etc)
- Operating system- Windows XP, Vista and Windows 7, 10, 13

10- Instrumentation Skills

- UV spectrophotometer
- Double Beam Atomic Absorption Spectrophotometer (GBC-902, Australia)

11- Scholarship

University Grants Commission (UGC) Fellowship (Government of India) from Jan. 2007 to April 2012.

DECLARATION: It is certified that all above information are true to the best of my knowledge. Proof of any statement will be provided if required.

Place: Majmaah (KSA)

mohd kashif uddin

Date: 01-10-2019

(Mohammad Kashif Uddin)