

## Dr. Lubna Rasheed



**Postal Address:** Department of Chemistry, University of Education,  
Township, Lahore, Pakistan.  
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**ORCID ID:** <https://orcid.org/0000-0002-5378-8079>

**Research Interest:** Synthetic Organic Chemistry, Supramolecular Chemistry, Medicinal Chemistry, Host-Guest Chemistry

### Work Experience and Education

- 2017-present** **Assistant Professor**, University of Education, Township, Lahore, Pakistan.  
Director of “**Molecular Recognition and Drug Design group**” at University of Education, Township, Lahore, Pakistan.  
**Research Interest:** Synthetic Organic Chemistry, Supramolecular Chemistry, Medicinal Chemistry, Host-Guest Chemistry
- 2014-2016** **Post-doctoral Fellow**, with **Prof. Kwang S. Kim**, Ulsan National Institute of Science and Technology (UNIST), Ulsan, South Korea.  
**Research Interest:** Supramolecular Chemistry, Host-Guest Chemistry, Synthetic Organic Chemistry
- 2005-2011** **Ph.D.** in Organic Chemistry with **Prof. Aurangzeb Hassan** and **Prof. Joël Boustie**, Quaid-e-Azam University, Islamabad, Pakistan and University of Rennes1, France.  
**Research Interest:** Synthetic Organic Chemistry, Bioorganic Chemistry  
**Research Topic:** “*Synthesis of New Flavonoids, their Thio and Imino Derivatives having Potential Industrial Applications*”
- 2002-2004** **M.Phil** in Organic Chemistry with **Prof. Aurangzeb Hassan**, Quaid-e-Azam University, Islamabad, Pakistan.  
**Research Interest:** Synthetic Organic Chemistry, Bioorganic Chemistry  
**Research Topic:** “*Synthesis and Characterization of some New Oxazolone, Acrylohydrazide and Benzimidazole Derivatives having Potential Biological Activity*”
- 1999-2001** **M.Sc.** in Organic Chemistry with **Prof. Muhammad Aslam Shad**, Baha-ud-din Zakaria University, Multan, Pakistan.  
**Research Interest:** Synthetic Organic Chemistry  
**Research Topic:** “*A Comparative Study of Chemical Constituents of Healthy and Diseased Bark of Mango Variety viz Chaunsa in Relation to Quick Decline*”

### Publications:

1. *RSC Advances*  
“**Synthesis, acetylcholinesterase (AChE) and butyrylcholinesterase (BuChE) activities, and molecular docking studies of a novel compound based on combination of flurbiprofen and isoniazide**”  
Amina Asghar, Muhammad Yousuf, Ghulam Fareed, Rabia Nazir, Abida Hassan, Aneela Maalik, Tayyaba Noor, Naseem Iqbal and Lubna Rasheed  
*RSC Advances*, **2020**, 10, 19346 – 19352 (Impact Factor **3.05**)

2. Chemistry Select  
**“Development of an Efficient Non-Noble Metal Based Anode Electrocatalyst to Promote Methanol Oxidation Activity in DMFC”**,  
 Lubna Yaqoob, Tayyaba Noor, Naseem Iqbal, Habib Nasir, Neelam Zaman, Lubna Rasheed and Muhammad Yousuf  
*ChemistrySelect*, **2020**, 5, 6023 –6034. (Impact Factor **1.716**)
3. Bioorganic Chemistry  
**“Synthesis, antimicrobial, antioxidant, cytotoxic, antiurease and molecular docking studies of N-(3-trifluoromethyl)benzoyl-N'-aryl thiourea derivatives”**  
 Aneela Maalik, Hina Rahim, Muhammad Saleem, Nighat Fatima, Abdul Wadood, Muhammad Imran Malik, Ayaz Ahmed, Abdur Rauf, Hummera Rafique, Muhammad Naveed Zafar, Muhammad Riaz, **Lubna Rasheed**, Amara Mumtaz  
*Bioorganic Chemistry*, **2019**, 88, 102946. (Impact Factor **3.96**)
4. Chemical Communications  
**“A “Turn-on” Fluorescent Probe for Selective Determination of Permanganate in Aqueous Media”**  
 Genggongwo Shi, Mushtaq Ahmed Shahid , Muhammad Yousuf, Farzana Mahmood, **Lubna Rasheed\***, Christopher W. Bielawski, Kwang S. Kim  
*Chemical Communications*, **2019**, 55, 10, 1470-1473. (Impact Factor **6.3**)
5. New Journal of Chemistry  
**“Turn-on” Fluorescent Probe for Selective Discrimination of Hypochlorite (ClO<sup>-</sup>) from Dichromate (Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup>) in Aqueous Media”**  
 Mushtaq Ahmed Shahid, Genggongwo Shi, Muhammad Yousuf, Jenica Marie L. Madridejos, Farzana Mahmood, **Lubna Rasheed\***  
*New Journal of Chemistry*, **2019**, **43**, 11, 4547-4553 (Impact Factor **3.3**)
6. Bioorganic and Medicinal Chemistry  
**“Synthesis, Spectroscopic Characterization, Molecular Docking and Theoretical Studies (DFT) of N-(4-aminophenylsulfonyl)-2-(4-isobutylphenyl) propanamide having Potential Antibacterial and Enzyme Inhibition Applications”**  
 Amina Asghar , Muhammad Yousuf, Hifsa Mubeen, Rabia Nazir, Kabiru Haruna, Abdulmujeeb T. Onawole, **Lubna Rasheed \***  
*Bioorganic and Medicinal Chemistry*, **2019**, 27,11, 2397-2404 (Impact Factor **2.8**)
7. Journal of Molecular Structure  
**“Synthesis, spectroscopic characterization and crystallographic behavior of ethyl-2-(4-methyl-(2-benzylidenehydrazinyl)thiazole-4-carboxylate:Experimental and Theoretical (DFT)studies”**  
 Muhammad Haroon, Tashfeen Akhtar, Muhammad Yousuf, Muhammad Wasif Baig, Muhammad Nawaz Tahir, **Lubna Rasheed**  
*Journal of Molecular Structure*, **2018**, 1167, 154-160. (Impact Factor **1.753**)
8. RSC Advance  
**“An Efficient Non-Reaction Based Colorimetric and Fluorescent Probe for Highly Selective Discrimination of Pd<sup>0</sup> and Pd<sup>2+</sup> in Aqueous Media”**  
**Lubna Rasheed**, Muhammad Yousuf, Il-Seung Youn, Shi Genggongwo and Kwang S. Kim  
*RSC Advance*, **2016**, 6, 60546-60549. (Impact Factor **3.84**)
9. Nature Scientific Reports  
**“Halides with Fifteen C–H···Anion Interaction Sites”**  
 Genggongwo Shi, Dongwook Kim, Han Myoung Lee, Zahra Aliakbar Tehrani, Woo Jong Cho, Il Seung Youn, Muhammad Yousuf, Nisar Ahmed, Bahareh Shirinfar, Aaron J. Teator, Dominika N. Lastovickova, **Lubna Rasheed**, Myoung Soo Lah, Christopher W. Bielawski and Kwang S. Kim  
*Nature Scientific Reports*, **2016**, 6, 30123. (Impact Factor **5.5**)
10. Chemical Sciences  
**“Violation of DNA Neighbor Exclusion Principle in RNA Recognition”**

Muhammad Yousuf, Il Seung Youn, **Lubna Rasheed**, Jeonghun Yun, Rosendo Valero, Genggongwo Shi and Kwang S. Kim  
*Chem. Sci.*, **2016**, 7, 3581-3588. (Impact Factor **9.22**)

11. *Chemistry A-European Journal*

**“Turn-On Ratiometric Fluorescent Probe for Selective Discrimination of Cr<sup>3+</sup> from Fe<sup>3+</sup> in Aqueous Media for Living Cell Imaging”**

**Lubna Rasheed**, Muhammad Yousuf, Il Seung Youn, Taeseung Yoon, Kwang-Youn Kim, Young-Kyo Seo, Genggongwo Shi, Muhammad Saleh, Jin-Hoe Hur and Kwang S. Kim  
*Chem. Eur. J.*, **2015**, 21(46), 16349-16353. (Impact Factor **5.731**)

12. *Planta Medica*

**“Evaluation of anti-oxidant activity of synthesized iminochalcones”**

**Lubna Rasheed**, Lohezic-Le-Devehat Françoise, Aurengzeb Hassan and Joël Boustie  
*Planta.Medica*, **2008**, 74(9), 17. (Impact factor **2.15**)

13. *Asian Journal of Chemistry*

**“Synthesis of some Benzalacetophenones and their Imino Derivatives”**

**Lubna Rasheed** and Aurengzeb Hassan  
*Asian J. Chem.*, **2007**, 19(7), 5057-5067. (Impact factor **0.355**)

14. *Asian Journal of Chemistry*

**“Synthesis and Characterization of Variably halogenated Chalcones and Flavonoles and their Antifungal Activities”**

Aurengzeb Hassan, **Lubna Rasheed** and Abdul Malik  
*Asian J. Chem.*, **2007**, 19(2), 937-948. (Impact factor **0.355**)

15. *Heterocyclic Communications*

**“A Facile and Cheap Method for the Conversion of Flavones into 4-thioflavones using Phosphorus Pentasulphide and Sodium Hydrogen Carbonate”**

Ehsan Ullah Mughal, Aurengzeb Hassan and **Lubna Rasheed**  
*Heter. Commun.*, **2005**, 11(5), 445-450. (Impact factor **0.593**)