

RESUME
Dr. MUHAMMAD ASHFAQ
Department of chemistry, University of Narowal

Personal

Father's Name: Maqbool Ahmad

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Current Address: Department of chemistry, University of Narowal

Education

Sr. #	Examination	Board/University	Subject
1.	Post-Doc	Institute of Urban environment, Chinese academy of sciences, China	Analytical/Environmental Chemistry
1.	Ph. D	GC University, Lahore, Pakistan	Chemistry
2.	M.Phil.	GC University, Lahore, Pakistan	Chemistry
3.	M.Sc.	Government College Lahore	Chemistry
5.	B.Sc.	University of the Punjab, Lahore, Pakistan	Chem., Zool., Bot.

Experience

- **Director Academics**, University of Narowal from January 07, 2025 till now.
- **Professor/Chairperson Department of Chemistry**, University of Narowal from January 07, 2025 till now.
- **Professor of Chemistry**, Govt. College for Women University Sialkot from May 15, 20223 to January 07, 2025.
- **Chairperson** Department of Chemistry, Govt College for Women University Sialkot from May 19, 20223 up till now
- **Director ORIC**, Govt College for Women University Sialkot from June 15, 20223 to March 14, 2024.
- **Treasurer**, Govt College for Women University Sialkot from July 04, 20223 to January 03, 2024.
- **Treasurer**, University of Gujrat Pakistan from March 17, 2022 to September 13, 2022 and from November 27, 2022 to May 15, 2023.
- **Chairperson** Department of Chemistry, University of Gujrat, Gujrat, Pakistan from January 11, 2022 to May 15, 2023.
- **Treasurer**, University of Gujrat Pakistan from April 06, 2021 to July 05, 2021.
- **Director Campus**, University of Gujrat Sub Campus Mandi Bahauddin, Pakistan from September 17, 2019 to December 06, 2019.
- **Director Evening Program**, University of Gujrat Pakistan from October 29, 2018 to September 16, 2019.

- **Director Campus**, University of Gujrat Sub Campus Narowal, Narowal, Pakistan from May 09, 2017 to June 19, 2018.
- **Chairperson Department** of Chemistry, University of Gujrat, Gujrat, Pakistan from February 01, 2017 to 30th April 2017.
- Associate Professor, Department of Chemistry University of Gujrat, Gujrat, Pakistan from May 02, 2014 May 15, 2023.
- **Chairman Hall Council**, University of Gujrat, Gujrat, Pakistan from February 01, 2017 to 30th April 2017.
- Post-Doc fellow, Institute of Urban environment, Chinese academy of sciences, China from 20th April 2015 to 19th April 2016.
- Assistant Professor, Department of Chemistry University of Gujrat, Gujrat, Pakistan from January 16, 2010 to May 01, 2014.
- Lecturer, Department of Chemistry University of Gujrat, Gujrat, Pakistan from October 15, 2009 to January 15, 2010.

Awards and Honors

- **Included in the Stanford/Elsevier Top 2% Scientists list 2025.**
- **Kingdom of Saudi Arabia Award for Environmental Management in the Islamic World 2016-17**, Award Category: **Best Research**
- **Overall first position in University of Gujrat under Research Awards 2017** category
- **Chinese Academy of Sciences (CAS) President's International fellowship** (award number 2015PE004) for Postdoctoral Researchers to carryout research at Institute of Urban Environment, Chinese Academy of Sciences, Xiamen, China.
- Research Productivity Award 2011-12 and 2012-13 by Pakistan Council of Science and Technology.
- Qualified GRE International in Chemistry conducted by ETS (USA)

PUBLISHED/ACCEPTED RESEARCH PAPERS

1. S. S. Shafqat, M. H. Wakeel, M. Zubair, S. A. Masood, S. Rashid, R. Khan, A. Bahadar, **M. Ashfaq** & A. A. Khan. Anticancer activity of curcumin loaded hybrid system of silver-amine functionalized silica nanoparticles. Scientific Reports, 2026, 16, 7026 (**IF= 4.44**)
2. G. Mustafa, S. Sabir, S. H. Sumrra, W. Zafar, M. N. Arshad, A. U. Hassan, A. Akhtar, **M. Ashfaq**, M. Ashfaq, A. M. Asiri. Synthesis, structure elucidation, SC-XRD/DFT, molecular modelling simulations and DNA binding studies of 3,5-diphenyl-4,5-dihydro-1 H-pyrazole chalcones. Journal of Biomolecular Structure and Dynamics, 2025, 43(4), 1831-1846 (**IF= 4.4**)
3. M. Y. Siddique, A. R. Ashraf, S. U. D. Khan, M. A. Saleem, **M. Ashfaq**, K. Alam, A. A. Ibrahim, M. F. Nazar. Formulation of Microemulsion-based Gels for Enhanced Topical Administration of Nonsteroidal Anti-inflammatory Drugs. Langmuir, 2024, 40 (45), 24174-24184 (**IF= 4.331**)
4. **M. Ashfaq**, Y. Li , M. Zubair, M. S. U. Rehman, S. H. Sumrra, M. F. Nazar, G. Mustafa, M. T. Fazal, H. Ashraf, Q. Sun. Occurrence and risk evaluation of endocrine-disrupting chemicals in

wastewater and surface water of Lahore, Pakistan. *Environmental Geochemistry and Health*, 2023, 45 (7), 4837-4851 (IF= **4.898**)

5. W. Zafar, **M. Ashfaq**, S. H. Sumrra. A Review on the Antimicrobial Assessment of Triazole-Azomethine Functionalized Frameworks Incorporating Transition Metals. *Journal of Molecular Structure*, 2023, 135744 (IF= **3.841**)
6. J. L. Wilkinson...(87 more), **M. Ashfaq** & 36 more (Total 125 authors). Pharmaceutical Pollution of the World's Rivers. *Proceedings of the National Academy of Sciences of the United States of America*. 2022, 119 (8), e2113947119 (IF= **12.779**)
7. G. Mustafa, M. Z. Ur. Rehman, S. H. Sumrra, **M. Ashfaq**, W. Zafar, M. Ashfaq. A Critical Review on Recent Trends on Pharmacological Applications of Pyrazolone Endowed Derivatives. *Journal of Molecular Structure*. 2022, 1262, 133044 (IF= **3.841**)
8. M. Sajid, S. Bari, M. S. U. Rehman, **M. Ashfaq**, Y. Guoliang, G. Mustafa. Adsorption characteristics of paracetamol removal onto activated carbon prepared from Cannabis sativum Hemp. *Alexandria Engineering Journal*, 2022, 61(9), 7203-7212 (IF= **6.626**)
9. A. Rashid, M. Amin, Y. Li, **M. Ashfaq**, Q. Zeng, A. Hu, S. Li, Q. Sun. Reconciliation of Spatio-temporal Influences on Two-Dimensional Distribution and Fate of Emerging Contaminants in a Subtropical River. *ACS EST Water*. 2021, 1, 2305-2317. (IF= Not Assigned Yet).
10. M. F. Nazar, M. A. Saleem, H. Basharat, A. Nasrullah, H. Asif, **M. Ashfaq**, R. Jamil. Architecting water-dispersible organic nanopowder from volatile microemulsion: An emerging colloidal technology. *Colloid and Interface Science Communications*. 2021, 45, 100536 (IF= **5.636**)
11. S. H. Sumrra, Z. Arshad, W. Zafar, K. Mahmood, **M. Ashfaq**, A. U. Hassan, E. U. Mughal, A. Irfan, M. Imran. Metal incorporated aminothiazole-derived compounds: synthesis, density function theory analysis, in vitro antibacterial and antioxidant evaluation. *R. Soc. Open Sci.* 2021, 8: 210910 (IF= **3.653**)
12. M. Y. Siddique, I. Alamgir, M. F. Nazar, S. H. Sumrra, **M. Ashfaq**, M. Safdar, S. U. D. Khan, A. Ahmad, R. Khan, H. M. A. Swaidan, O. S. Al-Zaid. Structural and probing dynamics of Brij-35-based microemulsion for fluoroquinolone antibiotics. *Colloid and Polymer Science*, 2021, 299, 1479–1488 (IF= **2.434**)
13. M. Zubair, U. Anwar, **M. Ashfaq**, M. N. Zafar, M. Farid, F. Ahmad, W. Ahmad, S. Ali, M. Rizwan, A. A. Alsahli, M. N. Alyemeni, L. Wijaya. Heavy metals occurrence, seasonal variation and enrichment in urban soils augmented with industrial waste. *Pol. J. Environ. Stud.* 2021, 30(5), 1-16 (IF= **1.871**)
14. M. Danish, A. Akhtar, **M. Ashfaq**, M. N. Arshad, A. M. Asiri. Synthesis Crystal Structure and Spectral Properties of New Sulfonamides. *Journal of Chemical Crystallography*, 2021, 51, 543-552. (IF= **0.582**)
15. M. Munir, M. F. Nazar, M. N. Zafar, M. Zubair, **M. Ashfaq**, A. Hosseini-Bandegharai, S. U. Khan, A. Ahmad. Effective Adsorptive Removal of Methylene Blue from Water by 2

- Didodecyldimethylammonium Bromide-Modified Brown Clay. ACS Omega, 2020, 5, 16711–16721 (IF= 4.132)
16. M. F. Nazar, A. Mujeed, M. Y. Siddique, M. Zafar, M. A. Saleem, A. M. Khan, **M. Ashfaq**, S. H. Sumrra, M. Zubair, M. N. Zafar. Structural dynamics of tween-based microemulsions for antimuscarinic drug mirabegron. Colloid and Polymer Science, 2020, 298(3), 263-271. (IF= 2.434)
 17. M. N. Zafar, M. Tabassum, S. Ghafoor, M. Zubair, M. F. Nazar, **M. Ashfaq**. Utilization of peanut (*Arachis hypogaea*) hull based activated carbon for the removal of amaranth dye from aqueous solutions. Iranian Journal of Chemistry and Chemical Engineering, 2020, 39(4), 187-195. (IF= 1.903)
 18. M. Mahmood, M. Abid, M. F. Nazar, M. N. Zafar, M. A. Raza, **M. Ashfaq**, A. M. Khan, S. H. Sumrra, M. Zubair. The wet chemical synthesis of surfactant-capped quasi-spherical silver nanoparticles with enhanced antibacterial activity. Materials Advances (RSC), 2020, 1, 2332-2338. (IF= Not Assigned Yet)
 19. **M. Ashfaq**, Y. Li, M. S. U. Rehman, M. Zubair, G. Mustafa, M. F. Nazar, C. P. Yu, Q. Sun. Occurrence, spatial variation and risk assessment of pharmaceuticals and personal care products in urban wastewater, surface water and their sediments: A case study of Lahore, Pakistan. Science of the Total Environment, 2019, 688, 653-663. (IF= 10.753)
 20. **M. Ashfaq**, Q. Sun, C. Ma, A. Rashid, Y. Li, S. I. Mulla, C. P. Yu. Occurrence, seasonal variation and risk evaluation of selected endocrine disrupting compounds and their transformation products in Jiulong River and estuary, China. Marine Pollution Bulletin, 2019, 145, 370-376. (IF= 7.001)
 21. D. M. Gurumurthy, R. N. Bharagava, A. Kumar, B. Singh, **M. Ashfaq**, G. D. Saratale, S. I. Mulla. EPS bound flavins driven mediated electron transfer in thermophilic *Geobacillus* sp. Microbiological research, 2019, 229, 126324. (IF= 5.07)
 22. M. A. Saleem, M. F. Nazar, M. Y. Siddique, A. M. Khan, **M. Ashfaq**, S. Z. Hussain, M. R. Khalid, B. Yameen. Soft-templated fabrication of antihypertensive nano-Irbesartan: Structural and dissolution evaluation. Journal of Molecular Liquids, 2019, 292, 111388. (IF= 6.633)
 23. M. Danish, A. Bibi, K. Gilani, M. A. Raza, **M. Ashfaq**, M. N. Arshad, A. M. Asiri, K. Ayub. Antiradical, antimicrobial and enzyme inhibition evaluation of sulfonamide derived esters; synthesis, X-Ray analysis and DFT studies. Journal of Molecular Structure, 2019, 1175, 379-388. (IF= 3.841)
 24. M. F. Nazar, W. Azeem, A. Kayani, M. Zubair, P. John, A. Mahmood, **M. Ashfaq**, M. N. Zafar, S. H. Sumrra, M. N. Zafar. pH-Dependent Antibiotic Gatifloxacin Interacting with Cationic Surfactant: Insights from Spectroscopic and Chromatographic Measurements. Journal of Solution Chemistry, 2019, 48(7), 936-948. (IF= 2.000)
 25. M. Danish, S. Akbar, M. N. Tahir, M. N. Ahmed, R. A. Butt, M. A. Raza, **M. Ashfaq**. Structure Elucidation and Biological Screening of Bis (4-[(E)-(2-Hydroxybenzylidene) amino] methyl)-cyclohexane-carboxylato-O)-triaqua-cadmium. Chinese Journal of Structural Chemistry, 2018, 37, 871-877. (IF= 0.847)

26. M. F. Nazar, M. Y. Siddique, M. A. Saleem, M. Zafar, F. Nawaz, **M. Ashfaq**, A. M. Khan, H. M. A. U. Rahman, M. B. Tahir, A. M. Lazim. Fourth-Generation Antibiotic Gatifloxacin Encapsulated by Microemulsions: Structural and Probing Dynamics. *Langmuir*, 2018, 34(36), 10603-10612. (IF= 4.331)
27. W. Azeem, P. John, M. F. Nazar, **M. Ashfaq**, I. U. Khan, S. Sharif, A. Riaz. Fixed-Dose Combination Antibiotics Interacting with a Quaternary Ammonium Disinfectant: Insights from Spectral and Chromatographic Measurements. *Journal of Solution Chemistry*, 2018, 47(6), 1048-1059. (IF= 2.000)
28. **M. Ashfaq**, Q. Sun, H. Zhang, Y. Li, Y. Wang, M. Li, M. Lv, X. Liao, C. P. Yu. Occurrence and fate of bisphenol A transformation products, bisphenol A monomethyl ether and bisphenol dimethyl ether in wastewater treatment plants and surface water. *Journal of Hazardous Materials*, 2018, 357, 401-407. (IF= 14.224)
29. **M. Ashfaq**, Y. Li, Y. Wang, D. Qin, M. S. U. Rehman, A. Rashid, C. P. Yu, Q. Sun. Monitoring and mass balance analysis of endocrine disrupting compounds and their transformation products in an anaerobic-anoxic-oxic wastewater treatment system in Xiamen, China. *Chemosphere*, 2018, 104, 170-177. (IF= 8.943)
30. Y. Wang, Y. Li, A. Hu, A. Rashid, **M. Ashfaq**, Y. Wang, H. Wang, H. Luo, C. P. Yu, Q. Sun. Monitoring, mass balance and fate of pharmaceuticals and personal care products in seven wastewater treatment plants in Xiamen City, China, 2018, *Journal of Hazardous Materials*, 354, 81-90. (IF= 14.224)
31. S.I. Mulla, A. Hu, Q. Sun, J. Li, F. Suanon, **M. Ashfaq**, C. P. Yu. Biodegradation of sulfamethoxazole in bacteria from three different origins. *Journal of Environmental Management*, 2018, 206, 93-102. (IF=8.91)
32. **M. Ashfaq**, Y. Li, Y. Wang, W. Chen, H. Wang, X. Chen, W. Wu, Z. Huang, C. P. Yu, Q. Sun. Occurrence, fate, and mass balance of different classes of pharmaceuticals and personal care products in an anaerobic-anoxic-oxic wastewater treatment plant in Xiamen, China. *Water Research*, 2017, 123, 655-667. (IF= 13.4)
33. **M. Ashfaq**, K. N. Khan, M. S. U. Rehman, G. Mustafa, M. F. Nazar, Q. Sun, J. Iqbal, S. I. Mulla, C. P. Yu. Ecological risk assessment of pharmaceuticals in the receiving environment of pharmaceutical wastewater in Pakistan. *Ecotoxicology and Environmental Safety*, 2017, 136, 31-39. (IF=7.129)
34. S. N. Razzaq, **M. Ashfaq**, I. U. Khan, I. Mariam, S. S. Razzaq, W. Azeem. Simultaneous determination of dexamethasone and moxifloxacin in pharmaceutical formulations using stability indicating HPLC method. *Arabian Journal of Chemistry*, 2017, 10, 321-328 (IF= 6.212)
35. **M. Ashfaq**, N. Noor, G. Mustafa, M. S. U. Rehman, M. F. Nazar, Q. Sun, C. P. Yu. Determination of Commonly used pharmaceuticals in Hospital waste of Pakistan and evaluation of their ecological risk assessment. *Clean-Air, Water and Soil*, 2017, 45 (9999) 1500392. (IF=2.404)

36. M.F. Nazar, M. A. Saleem, S. N. Bajwa, B. Yameen, **M. Ashfaq**, M. N. Zafar, M. Zubair. Encapsulation of Antibiotic Levofloxacin in Biocompatible Microemulsion Formulation: Insights from Microstructure Analysis. *Journal of Physical Chemistry B*. 2017, 121, 437-443. (IF=3.466)
37. Q. Sun, Y. Wang, Y. Li, **M. Ashfaq**, L. Dai, X. Xie, C. P. Yu. Fate and mass balance of bisphenol analogues in wastewater treatment plants in Xiamen City, China. *Environmental Pollution*. 2017, 225, 542-549. (IF= 9.988)
38. M. Danish, R. A. Butt, M. N. Tahir, **M. Ashfaq**, S. T. Hafeez, M. N. Ahmed, H. Qureshi. 4-((4-Chlorophenylsulfonamido)methyl) cyclohexanecarboxylic Acid: Synthesis, Crystal Structure and Biological Activities. *Chinese Journal of Structural Chemistry*, 2017, 36, 1307-1314. ((IF= 0.847)
39. S. N. Razzaq, **M. Ashfaq**, I. Mariam, I. U. Khan, S. S. Razzaq, G. Mustafa. Stability indicating RP-HPLC method for simultaneous determination of ciprofloxacin and dexamethasone in binary combination. *Journal of the Chilean Chemical Society (Chilli)*, 2017, 62(3), 3572-3577. (IF= 1.431)
40. S. N. Razzaq, **M. Ashfaq**, I. U. Khan, I. Mariam, S. S. Razzaq, G. Mustafa, M. Zubair. Stability Indicating RP-HPLC Method for Simultaneous Determination of Gatifloxacin and Dexamethasone in Binary Combination. *Brazilian Journal of Pharmaceutical Science*. 2017. 53(1), e15177. (IF= 1.214)
41. M. Danish, R. A. Butt, M. N. Tahir, **M. Ashfaq**, S. T. Hafeez. UV Assisted Preliminary DNA Binding Studies and Single-crystal X-ray Structure of 4-((4-Nitrophenylsulfonamido)methyl)cyclohexanecarboxylic Acid. *Chinese Journal of Structural Chemistry*, 2017, 36, 745-750. ((IF= 0.847)
42. S.I. Mulla, Q. Sun, A. Hu, Y. Wang, **M. Ashfaq**, S.A.M.A.S. Eqani, C. P. Yu. Evaluation of sulfadiazine degradation in three newly isolated pure bacterial cultures. *PLoS ONE*, 2016. 11(10): e0165013. (IF=3.752)
43. M. Danish, R. A. Butt, S. Akbar, **M. Ashfaq**, G. Smith. Synthesis and Crystal Structures of the Nickel(II) and [Tri(nbutyl)]tin(IV) Complexes with the New Sulfonamide Carboxylic Acid, 4-((2-Nitrophenylsulfonamido)methyl) cyclohexanecarboxylic Acid. *Journal of Chemical Crystallography*, 2016, 46, 421-428 (IF=0.582)
44. **M. Ashfaq**, K. N. Khan, S. Rasool, G. Mustafa, M. S. U. Rehman, M. F. Nazar, Q. Sun, C. P. Yu. Occurrence and ecological risk assessment of fluoroquinolone antibiotics in hospital waste of Lahore Pakistan. *Environmental Toxicology and Pharmacology*, 2016, 42, 16-22. (IF= 5.785)
45. M. Li, Q. Sun, Y. Li, M. Lv, L. Lin, Y. Wu, **M. Ashfaq**, C. P. Yu. Simultaneous analysis of 45 pharmaceuticals and personal care products in sludge by matrix solid-phase dispersion and liquid chromatography tandem mass spectrometry. *Anal Bioanal. Chem.* (Springer-Verlag), 2016, 408(18), 4953-4964. (IF= 4.478)
46. Q. Sun, Y. Li, M. Li, **M. Ashfaq**, M. Lv, H. Wang, A. Hu, C. P. Yu. PPCPs in Jiulong river estuary (China): spatiotemporal distributions, fate, and their use as chemical markers of wastewater. *Chemosphere*. 2016, 150, 596-604. (IF= 8.943)

47. M.F. Nazar, W. Azeem, U. A. Rana, **M. Ashfaq**, A. Lashin, N. Al-Arifi, H.M.A.U. Rahman, A. M. Lazim, A. Mehmood. pH dependent probing of levofloxacin assimilated in surfactant mediated assemblies: insights from photoluminescent and chromatographic measurements. *Journal of Molecular Liquids*. 2016, 220, 26–32 (IF= 6.633)
48. **M. Ashfaq**, M. N. Arshad, M. Danish, A. M. Asiri, S. Khatoun, G. Mustafa, O. Şahin, P. N. Zolotarev, R. A. Butt. Synthesis and Description of Intermolecular Interactions in New Sulfonamide Derivatives of Tranexamic Acid. *Journal of Molecular Structure*, 2016, 1103, 271-280. (IF= 3.841)
49. M. S. U. Rehman, N. Rashid, **M. Ashfaq**, A. Saif, N. Ahmad, J. I. Han. Global risk of pharmaceutical contamination from highly populated developing countries. *Chemosphere*, 2015, 138, 1045-1055. (IF= 8.943)
50. M.F. Nazar, M. Abid, M. Danish, **M. Ashfaq**, A. M. Khan, M.N. Zafar, S. Mehmood, A. Asif. Impact of L-leucine on controlled release of ciprofloxacin through micellar catalyzed channels in aqueous medium. *Journal of Molecular Liquids*. 2015, 212, 142-150. (IF= 6.633)
51. M.F. Nazar, F. Mukhtar, **M. Ashfaq**, H.M.A.U. Rahman, M.N. Zafar, S.H. Sumrra, Physicochemical Investigation of Antibacterial Moxifloxacin Interacting with Quaternary Ammonium Disinfectants. *Fluid Phase Equilibria*. 2015, 406, 47-54 (IF= 2.745)
52. A. Saleem, S. Anwar, T. Hussain, R. Ahmad, G. Mustafa, **M. Ashfaq**. Simultaneous Determination of Acetaminophen, Pamabrom and Pylamine Maleate in Pharmaceutical Formulations Using Stability Indicating HPLC Assay Method. *Journal of the Mexican Chemical Society*. 2015, 49(2), 93-98. (IF = 0.869)
53. P. John, W. Azeem **M. Ashfaq**, I. U. Khan, S. N. Razzaq. Stability Indicating RP-HPLC Method for Simultaneous Determination of Piroxicam and Ofloxacin in Binary Combination. *Pakistan Journal of Pharmaceutical Sciences*. 2015, 28(5), 1713-1721 (IF = 0.863)
54. P. John, W. Azeem **M. Ashfaq**, I. U. Khan, S. N. Razzaq, S. U. D. Khan. Stability-indicating RP-HPLC method for simultaneous determination of methoxsalen and *p*-aminobenzoic acid in binary combination. *Bull. Chem. Soc. Ethiop*. 2015, 29(1), 1-13 (IF = 1.218)
55. M.F. Nazar, S. Murtaza, B. Ijaz, **M. Ashfaq**, M.A. Mohsin. Photophysical investigations of Carmoisine interacting with conventional cationic surfactants under different pH conditions. *Journal of Dispersion Science and Technology*. 2015, 36, 18-27 (IF = 2.042)
56. **M. Ashfaq**, A. Aslam, G. Mustafa, M. Danish, M. F. Nazar, M. Nadeem Asghar. Derivatization/chromophore introduction of tranexamic acid and its HPLC determination in pharmaceutical formulations. *Journal of the Association of Arab Universities for Basic and Applied Sciences*, 2015, 17, 51-56.
57. M.F. Nazar, F. Mukhtar, S. Chaudry, **M. Ashfaq**, S. Mehmood, A. Asif, U.A. Rana. Biophysical probing of antibacterial Gemifloxacin assimilated in surfactant mediated molecular assemblies. *Journal of Molecular Liquids*. 2014, 200, 361-368. (IF= 6.633)

58. **M. Ashfaq**, T. Akhtar, G. Mustafa, M. Danish, M. F. Nazar. Simultaneous Estimation of Rosuvastatin and Amlodipine in Pharmaceutical Formulations Using Stability Indicating HPLC Method. *Brazilian Journal of Pharmaceutical Science*. 2014, 50(3), 629-638 (**IF= 1.214**)
59. M. F. Nazar, M. Raheel, S. S. Shah, M. Danish, **M. Ashfaq**, M. N. Zafar, M. Siddiq. Thermodynamic Characteristics and Spectral-Luminescent Properties of N-m-Tolylbenzamide in Microheterogeneous Surfactant Self-Assemblies. *Journal of Solution Chemistry*, 2014, 43, 632-647 (**IF= 2.000**)
60. I. U. Khan, S. N. Razzaq, I. Mariam, **M. Ashfaq**, S.S. Razzaq. Stability Indicating RP-HPLC Method for Simultaneous Determination of Gatifloxacin and Flurbiprofen in Binary Combination. *Quim Nova*, 2014, 37(2), 349-354. (**IF= 1.145**)
61. **M. Ashfaq**, I. U. Khan, H. Ahmad, G. Mustafa. LC Determination of Rosuvastatin and Ezetimibe in Human Plasma. *Journal of the Chilean Chemical Society (Chilli)*, 2013, 58(4), 2177-2181. (**IF= 1.431**)
62. M. S. U. Rehman, M. Munir, **M. Ashfaq**, N. Rashid, M. F. Nazar, M. Danish, J. I. Han. Adsorption of Brilliant Green dye from aqueous solution onto red clay. *Chemical Engineering Journal*, 2013, 228, 54-62 (**IF=16.744**)
63. I.U. Khan, **M. Ashfaq**, S.N. Razzaq, I. Mariam., Simultaneous determination of Piroxicam and Paracetamol in pharmaceutical formulations using stability indicating HPLC method. *J. Liq. Chrom. Rel. Technol.* 2013, 36(10), 1437-1450 (**IF= 1.467**).
64. S. N. Razzaq, **M. Ashfaq**, I. U. Khan, I. Mariam, S. S. Razzaq. Simultaneous RP-HPLC determination of sparfloxacin and dexamethasone in pharmaceutical formulations. *Brazilian Journal of Pharmaceutical Science*. 2013, 49(2), 301-309 (**IF= 1.214**)
65. M. N. Asghar, A. Javaid, M. Shafique, I. Nadeem, **M. Ashfaq**, S. Shahid. GC-MS and antioxidant capacity analyses of cowpea seeds oils. *Nutrition and Food Sciences*. 2013, 43(2), 116-127.

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CONTRIBUTED PAPERS AND TALKS:

1. **M. Ashfaq**, N. Noor. Determination of Paracetamol, Diclofenac, Naproxen, Ibuprofen, Amlodipine and Rosuvastatin in Hospital waste by Liquid-liquid extraction and Validated HPLC-UV method. Presented at 15th European meeting on Environmental Chemistry” held on 02-06.12.2014 in Brno, Czech Republic.
2. **M. Ashfaq**, A. Aslam, M. Danish, G. Mustafa, M. F. Nazar. Derivatization/Chromophore Introduction of Tranexamic Acid and its HPLC Determination in Pharmaceutical Formulations. Presented at “The 44th IUPAC Word Chemistry Congress” held on 11-16.08.2013 in Istanbul, Turkey
3. **M. Ashfaq**, I.U.Khan and M.N.Asghar. Determination of Atorvastatin, Simvastatin and ezetimibe by HPLC, Application to pharmaceutical formulations. Presented at 18th National Chemistry Conference held at University of the Punjab on 25-27th Feb. 2008.

4. **M. Ashfaq**, I.U.Khan. Determination of ezetimibe and Simvastatin by HPLC. Presented at 17th National and 7th International Chemistry Conference held at Gomal University DI Khan on 26-28th Feb. 2007.
5. Ayesha Saddiqa, M. N. Asghar, I. U. Khan and **M. Ashfaq**. Evaluation of antioxidant potential of *Cichorium intybus* and *Cuscuta reflexa*. Contributed talk at the International Chemistry Conference on Recent Advances in Chemistry organized by Lahore College for Women University, Lahore. 2-3 November 2007 under the auspices of Higher Education Commission of Pakistan and the Chemical Society of Pakistan.
6. I. U. Khan, M. Abbas, **M. Ashfaq** and M. N. Asghar. Determination of venlafexin in pharmaceutical formulations using derivative spectrophotometric method. Contributed talk at the International Chemistry Conference on Recent Advances in Chemistry organized by Lahore College for Women University, Lahore. 2-3 November 2007 under the auspices of Higher Education Commission of Pakistan and the Chemical Society of Pakistan.

BOOKS/BOOK CHAPTER PUBLISHED:

1. M. Ashfaq, M. Z. Hashmi, A. Mumtaz, D. Javed, N. Ul-Ain, S. Shifaqat, M. S. U. Rehman. "Environmental risk assessment of antibiotics and AMR/ARGs" In "Antibiotics and Antimicrobial Resistance Genes in the Environment. 2020, 331-349. Published by Elsevier.