CURRICULUM VITAE

Name	**Dr. Zahoor Hussain Farooqi**
Position	Associate Professor (BPS-20)
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Publons ID: https://publons.com/researcher/1203151/zahoor-hussain-farooqi/	
Google Scholar: https://scholar.google.com.pk/citations?user=4fTgnzQAAAAJ&hl=en&oi=ao	
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Language	English, Urdu, and Punjabi

Academic Qualification

Degree / Certificate	University / Board	Year	Division/CGPA	Subject
Ph.D.	QAU Islamabad	2013	3.4	Chemistry
M.Phil.	QAU Islamabad	2008	3.4	Chemistry
M.Sc.	PU Lahore	2006	1st	Chemistry
B.Sc.	BZU Multan	2003	1st	Chem, Phys, Math
F.Sc.	B.I.S.E. Multan	2001	1st	Chem, Phys, Math
Matric	B.I.S.E Multan	1999	1st	Chem, Phys, Math, Bio

PhD Thesis Title

Synthesis and Characterization of Smart Polymer Microgels for Biomedical Applications

M.Phil Thesis Title

Association behavior of triblock copolymers of oxyethylene and oxybutylene in aqueous medium

Professional Experience

- **2020-Till date** **Associate Professor**, School of Chemistry, University of the Punjab, Lahore from August 25, 2020 to till date.
- **2023-2023** **IAS Fellow Loughborough University**, Department of Chemical Engineering, Loughborough University, UK from October 27, 2023 to November 10, 2023.
- **2022-2023** **Visiting Academic Staff Member**, Department of Chemical Engineering, Loughborough University, UK from November 07, 2022 to January 10, 2023 (Staff ID No. 5040797).
- **2018-2018** **Honorary Research Fellow**, Department of Chemistry, University of Liverpool, UK from May 01, 2018 to October 06, 2018.
- **2013-2020** **Assistant Professor,** Institute of Chemistry, University of the

Punjab, Lahore from June 24, 2013 to August 24, 2020.

- **2013-2013** **Lecturer (permanent)** Institute of Chemistry, University of the Punjab, Lahore from April 22, 2013 to June 23, 2013.
- **2010-2013** **Lecturer (Adhoc)** Institute of Chemistry, University of the Punjab, Lahore from September 1, 2010 to April 21, 2013.
- **2009-2010** **Research Associate** Under Pakistan- US Science and Technology Cooperation Program 2007, Department of Chemistry and The Center for Engineered Polymeric Materials, College of Staten Island of the City University of New York, 2800 Victory BLVD, Staten Island, New York10314, U. S. A from January 31, 2009 to March 04, 2010.
- **2008-2009** **Lecturer (Contract)**, Institute of Chemistry, University of the Punjab, Lahore from March 24, 2008 to January 31, 2009
- **2008-2013** **PhD Research Scholar** Department of Chemistry, Quaid-I-Azam University, Islamabad from June 01, 2008 to June 24, 2013.
- **2006-2008** **M. Phil Research scholar**, Department of Chemistry, Quaid-I-Azam University, Islamabad from January 2006 to March 2008.

Research Interests

Polymers, Colloids, Material Science and catalysis

Research Accomplishments

Thesis supervised:	PhD	07
	M.Phil.	40
	M.Sc./B.S	89
Thesis co-supervised M.Phil		03
Publications:		184
Books:		03
Book Chapters		01
Journal Articles		180
(Q1 = 67, Q2 = 49, Q3 = 37, Q4 = 14, Others = 13)		
Total Impact Factor:		**765.4 (JIF-2024)**
Impact Factor per article:		4.25
Citations:		**6535**
Citation per Article:		**36.3**
h-index:		46
i10-index:		126

Peer Reviewer for Journals

Polymer Chemistry, ACS Applied Materials and Interfaces, ACS Applied Nano Materials, Langmuir, Chemical Communication, Macromolecular Rapid Communication, Dalton Transactions, Journal of Physical Chemistry A, Journal of Physical Chemistry C, ACS Omega, Colloids and Surfaces A: Physicochemical and Engineering Aspects, RSC Advances, New Journal of Chemistry, European Polymer Journal and many more.

International collaborators/co-authors

Prof. Shuiqin Zhou, The City University of New York, USA
Prof. Jianliang Xiao, University of Liverpool, UK
Prof. Weitai Wu, Xiamen University, China
Prof. Nicole Pamme, Stockholm University, Stockholm, Sweden
Dr. Goran T. Vladisavljevic, Loughborough, University, Loughborough, UK

Editorial Responsibilities

Academic Editor, "Recent Advances in Microgels/Nanogels" A special issue of Gels (ISSN 2310-2861, Impact Factor: 5.3, Q1, HJRS-HEC: X, Honorable Mention),
URL: https://www.mdpi.com/journal/gels/special_issues/T6H1F998J9

List of Publications

Journal Articles

2025

1. Ahmad Hassan, Iqra Sajid, Sonia Sadaf, Robina Begum*, Rahul Das, Shuiqin Zhou, Ahmad Irfan, and **Zahoor H. Farooqi*** "Polymer microgels loaded with non-spherical metal nanoparticles, A review" *Reactive and Functional Polymers* 2026, 218, Article Number: 106550, ISSN: 1381-5148, Date of publication: 01 November 2018, URL: https://doi.org/10.1016/j.reactfunctpolym.2025.106550 **(IF= 5.1, Q1)**
2. Iqra Sajid, Ahmad Hassan, Weitai Wu, Jinmeng Zhang, KhurramShahzad Munawar, Ahmad Irfan, Aijaz Rasool Chaudhry, **Zahoor H. Farooqi***, Robina Begum* "Synthesis, characterization, and catalytic applications of gold nanoparticles endowed in poly(N-isopropylmethacrylamide) nanogels" *Journal of Molecular Liquids* **2025**, 385, Article Number: 127890, ISSN: 0167-7322(print), 1873-3166(online), Date of publication: September 01, 2025,URL: https://doi.org/10.1016/j.molliq.2025.127890 **(IF= 5.2, Q1)**
3. Abdul Ghaffar, Sajid Hameed, Muhammad Shahbaz Sarwar, Ali Raza, Robina Begum, Hadia Noor*, and **Zahoor H. Farooqi** "PVC Polymer/NiO Nanocomposites: Improved Optical, Dielectric, and Magnetic Properties for Device Applications" *Journal of Electronic Materials* 2025, in press, ISSN: 0361-5235 (print) 1543-186X (online), Date of publication: July 09, 2025, URL: https://doi.org/10.1007/s11664-025-12166-1. **(IF= 2.5, Q2)**
4. Uzma Ali, Hira Liaqat, Robina Begum, Muhammad Azeem Arshad*, **Zahoor H. Farooqi** "A silver/silver oxide-incorporated poly (thiophene-pyrrole) nanocomposite photocatalyst for efficient degradation of methylene blue in water" *Journal of Molecular Structures* **2025**, 1322, 140506, ISSN: 0022-2860, Date of Publication: February 15, 2025, URL: https://doi.org/10.1016/j.molstruc.2024.140506. **(IF = 4.7, Q2)**
5. Minjun Chen, Guido Bolognesi, Robina Begum, **Zahoor H. Farooqi**, Goran T Vladisavljević "Monodispersed biodegradable microparticles with wrinkled surface coated with silver nanoparticles for catalytic degradation of organic toxins" *Emergent Materials* **2025**, 8, 1199-1211, ISSN: 2522-574X, 2522-5731, Date of publication of issue: February 01, 2025, URL: https://doi.org/10.1007/s42247-024-00637-w. **(IF = 4.1, Q2)**
6. Hafiz Adnan Ahmad, Rida Ahmad, Robina Begum, Sonia Sadaf, **Zahoor H. Farooqi***, and Zheng-Hui Guan* "Palladium metal nanoparticles fabricated and stabilized in microgels for reduction of nitrobenzene derivatives" *Inorganic Chemistry Communications* **2025**, 172, Article number: 113740, ISSN: 1387-7003, Date of publication: February 01, 2025, URL: https://doi.org/10.1016/j.inoche.2024.113740. **(IF=5.4, Q1)**
7. Hui Zhang, Limin Zhou, Hamza Shehzad, **Zahoor H. Farooqi***, Ahsan Sharif, Ejaz Ahmed, Umme Habiba, Faria Qaisar, Noor-E-Fatima, Robina Begum, Jinbo Ouyang, Ahmad Irfan "Innovative free radical induced synthesis of WO_3-doped diethyl malonate grafted chitosan encapsulated with phosphorylated alginate matrix for UO_2^{2+} adsorption: Parameters optimisation through response surface methodology" *Separation and Purification Technology* **2025**, 353, Article Number: 128455. ISSN: Online 1873-3794, Print 1383-5866 Date of Publication: January 19, 2025**,** URL: https://doi.org/10.1016/j.seppur.2024.128455 **(IF = 9.0, Q1)**

2024

8. Jan Nisar*, Ghulam Ali, Afzal Shah, **Zahoor Hussain Farooqi**, Rafaqat Ali Khan, Munawar Iqbal, MuhaExmmad Gul "Pyrolysis of waste tire rubber: A comparative kinetic study using different models" *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* **2024**, 46(1), 12710-12720, ISSN: 1556-7036 (print), 1556-7230(online), Date of publication: December 31, 2024, URL: https://doi.org/10.1080/15567036.2020.1823530. **(IF=2.2, Q3)**
9. Zobia Ahmad, Iqra Sajid, Ahmad Hassan, Weitai Wu, Jinmeng Zhang, Ahmad Irfan, Muhammad Azam, Robina Begum*, **Zahoor H Farooqi*** "Poly (N-isopropylacrylamide)-

chitosan nanogels for nanotechnological and catalytic applications" European Polymer Journal 2024, 221, 113520, ISSN: 0014-3057 (print), 873-1945 (online), Date of publication: December 11, 2024, URL: https://doi.org/10.1016/j.eurpolymj.2024.113520. **(IF=6.3, Q1)**

10. Azhar Ahmad, Prashun Ghosh Roy, Ahmad Hassan, Shuiqin Zhou, Muhammad Azam, Muhammad Aurang Zeb Gul Sial, Ahmad Irfan, Farah Kanwal, Robina Begum* and **Zahoor H. Farooqi***. "Catalytic degradation of various dyes using silver nanoparticles fabricated within chitosan based microgels" *International Journal of Biological Macromolecules* **2024**, 283(4), Article Number: 137965, ISSN: 0141-8130, 1879-0003, Date of publication: December 01, 2024, URL: https://doi.org/10.1016/j.ijbiomac.2024.137965. **(IF = 8.5, Q1)**
11. Ayesha Nasir, Robina Begum, Ahmad Irfan, Muhammad Azam, Abdus Samad, Zahoor H Farooqi, "Inorganic catalytic systems for the reduction/degradation of 2, 4-dinitrophenol: Theoretical, practical and mechanistic aspects" *Inorganic Chemistry Communications* **2024**,144, Article number: 113772, ISSN: 1387-7003, Date of publication: December 01, 2024, URL: https://doi.org/10.1016/j.inoche.2024.113372. **(IF=5.4, Q1)**
12. Muhammad Akmal, Hafiza Mehtab, Rimsha Amjad, Fauzia Iqbal, Ahmad Irfan, Robina Begum, **Zahoor H Farooqi**, "UV curable PVA-based hydrogel systems: Properties, applications and future directions" *Express Polymer Letters*, **2024**, 18(11), p1109, ISSN: 1788-618X, Date of Publication; November 1st, 2024, URL: 10.3144/expresspolymlett.2024.85 **(IF=2.6, Q2)**
13. Dan Liu, Hamza Shehzad*, Limin Zhou*, **Zahoor H. Farooqi***, Ahsan Sharif, Ejaz Ahmed, jinbo Ouyang, Din Mohammad Masrur, KhalilUllah Abed, Manahil Fatima, Sadia Rehman, "Encapsulation of Bamboosa vulgaris culms derived activated biochar into hierarchical permeable, phosphate rich and functionalized alginate aerogel composites and its contribution in U(VI) adsorption" *International Journal of Biological Macromolecules* **2024**, 280, 135690, ISSN: 0141-8130 (print), 1879-0003 (online), Date of publication: November 01, 2024, URL: https://doi.org/10.1016/j.ijbiomac.2024.135690. **(IF = 8.5, Q1)**
14. Muhammad Khizar Hyat, Prashun Ghosh Roy, Muhammad Azam, Shuiqin Zhou, Ahmad Irfan, Nayab Batool Rizvi, Robina Begum* and **Zahoor H. Farooqi*** "N,N-dimethylaminoethyl methacrylate based core shell microgels loaded with silver nanoparticles for catalysis" *RSC Advances* **2024**, 14, 34192-34201. ISSN: 2046-2069 (online), Date of publication: October 28, 2024, URL: https://pubs.rsc.org/en/content/articlehtml/2024/ra/d4ra06157h . **(IF=4.6, Q2)**
15. **Zahoor H. Farooqi***, Goran T. Vladisavljevic, Nicole Pamme, Arooj Fatima, Robina Begum, Ahmad Irfan and Minjun Chen "Microfluidic Fabrication and Applications of Microgels and Hybrid Microgels" *Critical Reviews in Analytical Chemistry* **2024**,*54*(7), 2435–2449., ISSN: 1040-8347, Date of publication of issue: October 02, 2024, URL: https://doi.org/10.1080/10408347.2023.2177097, **(IF=5.2, Q1)**
16. Jiaai Chen, Hamza Shehzad*, Junjie Wang, Zhirong Liu* , **Zahoor H. Farooqi***, Ahsan Sharif, Ejaz Ahmed, Robina Begum, Li Xu, Limin Zhou, Jinbo Ouyang, Ahmad Irfan, Aijaz Rasool Chaudhry, Muhammad Ali "Investigating the synergetic effect of tungsten oxide doping into the 1,3-dicarbonyl moiety grafted chitosan and phytic acid impregnated sodium alginate for efficient U(VI) adsorption" *International Journal of Biological Macromolecules* **2024**, 277, 134160, ISSN: 0141-8130 (print),1879-0003 (online), Date of publication: October 01, 2024, URL: https://doi.org/10.1016/j.ijbiomac.2024.134160. **(IF = 8.5, Q1)**
17. Syeda Khair-ul-Bariyah, Muhammad Sarfraz, Muhammad Arshad, Amir Waseem, Hidayat Ullah Khan, Shahnaz Khan, Ahsan Sharif, **Zahoor H. Farooqi**, and Ejaz Ahmed*. "Synthesis of 2-aminothiazole sulfonamides as potent biological agents: Synthesis, structural investigations and docking studies" *Heliyon* **2024**, 10(15), Article Number: e34980, ISSN: 2405-8440 (online), Date of publication: August 15, 2024, URL: https://doi.org/10.1016/j.heliyon.2024.e34980. **(IF = 3.6, Q1)**

18. Mengting Shuang, Hamza Shehzad*, Limin Zhou*, Zhirong Liu*, Jinbo Ouyang, Ahsan Sharif, **Zahoor H. Farooqi**, Ejaz Ahmed, Li Xu, Ahmad Irfan, Aijaz Rasool Chaudhry "Surface-Active and Templated Biocarbon Derived from Pluronic F-127 and Heteroatom-Doped Sucrose and its WO_3 Composites with Enhanced Pseudo capacitance for Uranium Electrosorption" *Journal of Environmental Chemical Engineering* **2024**, 12(3), Article Number: 112631, ISSN: 2213-2929 (print), 2213-3437 (online), Date of publication: June 1, 2024, URL: https://doi.org/10.1016/j.jece.2024.112631. **(IF = 7.2, Q1)**
19. Jiaai Chen, Hamza Shehzad*, XuChen Weng, Zhirong Liu*, **Zahoor H. Farooqi**, Ahsan Sharif, Ejaz Ahmed, Li Xu, Limin Zhou, Jinbo Ouyang, Ahmad Irfan, Aijaz Rasool Chaudary "Ultralight Molybdenite-Doped and Phosphate Rich Alginate Composites Exhibiting Superb Chelating Ability for UO_2^{2+}: Adsorption Thermodynamics, Kinetics and Mechanistic Evaluation" *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **2024**, 134328, ISSN: 0927-7757 (print), 1873-4359 (online), Date of publication: May 22, 2024, URL: https://doi.org/10.1016/j.colsurfa.2024.134328. **(IF=5.4, Q2)**
20. Khalida Naseem*, Qirrat Wakeel Manj, Saba Akram, Samreen Shabbir, Ayesha Noor, **Zahoor H. Farooqi**, Saba Urooge Khan, Majid Ali, Muhammad Faizan Nazar, Sajjad Haider, Kamran Alam "Spectroscopic monitoring of polyurethane-based nanocomposite as a potential catalyst for the reduction of dyes" *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* **2024**, 124450, ISSN:1386-1425 (print), 1873-3557(online), Date of publication: May 11, 2024, URL: https://doi.org/10.1016/j.saa.2024.124450. **(IF = 4.6, Q1)**
21. Ahmad Hassan, Iqra Sajid, Muhammad Akmal, Muniba Aslam, Prashun Ghosh Roy, Shuiqin Zhou, Ahmad Irfan, Muhammad Shahid, Robina Begum*, **Zahoor H. Farooqi*** "Hollow microgels and their hybrids; classification, synthesis, characterization, properties and applications" *Reviews in Chemical Engineering* **2024**, 40(3), 377-400, ISSN: 0167-8299 (print), 2191-0235 (online), Date of publication: April 25, 2024, URL: https://doi.org/10.1515/revce-2022-0074., **(IF= 6.6, Q1)**
22. Ghulam Mustafa, Ahmad Hassan, Muhammad Shahid, Ahmad Irfan, Aijaz Rassol Chaudhry, **Zahoor H Farooqi***, Robina Begum*, "2-Hydroxyethyl methacrylate based polymer microgels and their hybrids" *Re UV curable PVA-based hydrogel systems active and Functional Polymers* **2024**, 200, 105919, ISSN: 1381-5148 (print), 1873-166X (online), Date of publication: April 23, 2024, URL: https://doi.org/10.1016/j.reactfunctpolym.2024.105919., **(IF= 5.1, Q1)**
23. Zobia Ahmad, Maryam Bashir, Robina Begum*, Ahmad Irfan, Aijaz Rasool Chaudhry, **Zahoor H Farooqi*** "Microgel stabilized palladium nanostructures for catalytic applications" *Molecular Catalysis* **2024**, 559, Article Number: 114061, ISSN: 2468-8231(print), 2468-8274 (online), Date of publication: April 15, 2024, URL: https://doi.org/10.1016/j.mcat.2024.114061. **(IF = 4.9, Q2)**
24. Hamza Shehzad*, Meng Ting Shuang, Jiaai Chen, Zhirong Liu*, Ahsan Sharif, **Zahoor H Farooqi**, Ejaz Ahmed, Robina Begum, Limin Zhou*, Jinbo Ouyang, Ahmad Irfan, Aijaz Rasool Chaudhry, Saadia Shaukat, Ubaida Hussain, "Biomass-derived N, P-codoped templated biocarbon@2D-MoS_2/polypyrrole based hybrids for U(VI) electrosorption" *Journal of Environmental Chemical Engineering* **2024**, 12(2), Article Number: 111957, ISSN: 2213-2929 (print), 2213-3437 (online), Date of publication: April 01, 2024, URL: https://doi.org/10.1016/j.jece.2024.111957. **(IF = 7.2, Q1)**
25. MN Khan*, A Ditta, A Sharif, **ZH Farooqi**, N Rehman, E Ahmed, MI Din, M Tariq, R Iqbal, OA Basuliman, I Ali, S Bawazeer, "Production of nanocellulose from lignocellulosic biomass and its potential applications: A review" *Global NEST Journal* **2024**, 26 (4), Article Number: 05604., ISSN: 1790-7632, 1108-4006, Date of publication March 16, 2024, URL: https://doi.org/10.30955/gnj.005604 **(IF=1.2, Q4)**
26. Iqra Sajid, Ahmad Hassan, Robina Begum*, Shuiqin Zhou, Ahmad Irfan, Aijaz Rasool Chaudhry, **Zahoor H Farooqi***, "Yolk–shell smart polymer microgels and their hybrids:

fundamentals and applications" *RSC Advances* **2024**, 14(12), 8409-8433, ISSN: 2046-2069, Date of publication, March 12, 2024, URL: 10.1039/D4RA00035H. **(IF=4.6, Q2)**

27. Syeda Khair-ul-Bariyah, Muhammad Sarfraz, Ahsan Sharif, Zahoor Hussain Farooqi, Muhammad Arshad, Ejaz Ahmed, Muhammad Ashraf, Shawana Abdullah, Muhammad Nadeem Arshad, Amir Waseem "Novel benzothiazole sulfonamides as potent α-glucosidase and cholinesterase inhibitors: Design, synthesis, structural properties, biological evaluation and docking studies" *Journal of Molecular Structures* **2024**, 1299, 137118, ISSN: 0022-2860, Date of Publication: March 5, 2024, URL: https://doi.org/10.1016/j.molstruc.2023.137118. **(IF = 4.7, Q2)**
28. Warda Masoom, Ayesha Khan, Amna Sarwar, Sara Musaddiq, **Zahoor Hussain Farooqi**, Sadia Iqbal "Removal of arsenic (III) and (V) from water bodies by using biopolymers via adsorption: A review" *Express Polymer Letters* **2024**, 18(3), 260-281., ISSN: 1788-618X, Date of Publication March 1, 2024, URL: 10.3144/expresspolymlett.2024.19. **(IF = 2.6, Q3)**
29. Xu Chen Weng, Muhammad Ajmal, Hamza Shehzad*, Jiaai Chen, **Zahoor H. Farooqi***, Zhirong Liu*, Ahsan Sharif, Ejaz Ahmed, Limin Zhou, Li Xu, Jinbo Ouyang, Ahmad Irfan, Aijaz Rasool Chaudhry, Robina Begum, Saadia Shaukat, "Tungsten oxide encapsulated phosphate-rich porous alginate composites for efficient U (VI) capture: Insights into synthesis, adsorption kinetics and thermodynamics" *International Journal of Biological Macromolecules* **2024**, 261, part 2, 129962, ISSN: 0141-8130,1879-0003, Date of publication: February 3, 2024, URL: https://doi.org/10.1016/j.ijbiomac.2024.129962. **(IF = 8.5, Q1)**
30. Sadia Iqbal*, Nimra Iqbal, Sara Musaddiq, **Zahoor Hussain Farooqi**, Mohamed A Habila, Saikh Mohammad Wabaidur, Amjad Iqbal, "Fabrication of NIPMAM based polymer microgel network assisted rhodium nanoparticles for reductive degradation of toxic azo dyes" *Heliyon* **2024**, 10, e25385., ISSN: 2405-8440, Date of publication: February 1, 2024, URL: https://doi.org/10.1016/j.heliyon.2024.e25385. **(IF = 3.6, Q1)**
31. Muhammad Yasir Siddique, Muhammad Faizan Nazar, Muhammad Atif Saleem, Sajjad Haider, Sajjad Hussain Sumrra, Muhammad Saeed Akhtar, **Zahoor H. Farooqi**, **"**Formulation of Gelled Microemulsion for Effective Permeation of Celecoxib Across the Skin Barrier", *ChemistrySelect* **2024**, 9(3), e202302841, ISSN: 2365-6549, Date of Publication: January 19, 2024, URL: https://doi.org/10.1002/slct.202302841. **(IF = 2.0, Q3)**
32. Hamza Shehzad*, Jiaai Chen, Meng Ting Shuang, Zhirong Liu*, Limin Zhou*, Yun Wang, **Zahoor H. Farooqi**, Ejaz Ahmed, Ahsan Sharif, Ahmad Irfan, Jinbo Ouyang, Zihao Feng "Evaluation of Templated N/P co-doped Hierarchical Mesoporous Biocarbon/2D-Molybdenum Disulfide/Polypyrrole Composite as Supercapacitor Electrode for U(VI) Electrosorption" *Separation and Purification Technology* **2024**, 329, Article Number: 125226. ISSN: 1383-5866(print), 1873-3794(online), Date of Publication: January 15, 2024**,** URL: https://doi.org/10.1016/j.seppur.2023.125226. **(IF = 9.0, Q1)**
33. Azhar Ahmad, Ahmad Hassan, Prashun Ghosh Roy, Shuiqin Zhou, Ahmad Irfan, Aijaz Rasool Chaudhary, Farah Kanwal, Robina Begum*, **Zahoor H. Farooqi*** "Recent developments in chitosan based microgels and their hybrids" *International Journal of Biological Macromolecules* **2024**, 260, part 1, 129409, ISSN: 0141-8130(print),1879-0003(online), Date of publication: January 13, 2024, URL: https://doi.org/10.1016/j.ijbiomac.2024.129409. **(IF = 8.5, Q1)**
34. Hamza Shehzad*, Jiaai Chen, Meng Ting Shuang, Zhirong Liu*, **Zahoor H Farooqi**, Ahsan Sharif, Ejaz Ahmed, Limin Zhou*, Ahmad Irfan, Robina Begum, Fauzia Iqbal, Jinbo Ouyang "Fabrication of an efficient hierarchical mesoporous 2D-MoS_2/CNT/polypyrrole based composite electrodes for competitive and selective U^{6+} removal using capacitive deionization: Mechanistic evaluation through cyclic voltammetry" *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **2024**, 680, Article Number: 132637., ISSN: 0927-7757, Date of publication: January 05, 2024, URL: https://doi.org/10.1016/j.colsurfa.2023.132637. **(IF=5.4, Q2)**

35. Hamza Shehzad*, Jiaai Chen, Meng Ting Shuang, Zhirong Liu*, **Zahoor H. Farooqi**, Ahsan Sharif, Limin Zhou*, Ejaz Ahmed, Ahmad Irfan, Robina Begum, Jinbo Ouyang "Insights into electro-assisted and selective adsorption of U(VI) using hierarchical porous and activated biocarbon from lotus pods/2D-MoS_2/ polypyrrole composites through capacitive deionization" *Process Safety and Environmental Protection* **2024**, 181, 354–366. ISSN: 0957-5820(print), 1744-3598 (online), Date of publication: January 01, 2024, URL: https://doi.org/10.1016/j.psep.2023.11.032. **(IF=7.8, Q1)**

2023

36. Minjun Chen, **Zahoor H Farooqi**, Guido Bolognesi, Goran T Vladisavljević, "Microfluidic Fabrication of Monodisperse and Recyclable TiO_2-Poly(ethylene glycol) Diacrylate Hybrid Microgels for Removal of Methylene Blue from Aqueous Medium" *Langmuir* **2023**, 39(51), 18784-18796, ISSN: 1520-5827,0743-7463, Date of publication; December 13, 2023, URL: https://doi.org/10.1021/acs.langmuir.3c02276 **(IF=3.9, Q2)**
37. Khalida Naseem, Khalil Ahmad, Aneela Anwar, **Zahoor H Farooqi**, Jawayria Najeeb, Muhammad Ahmer Iftikhar, Warda Hassan, Ain Ul Batool, Sajjad Haider, Muhammad Saeed Akhtar "Raphanus caudatus biomass powder as potential adsorbent for the removal of crystal violet and Rhodamine B dye from wastewater" *Zeitschrift Fur Physikalische Chemie-International Journal of Research in Physical Chemistry & Chemical Physics* **2023**, 237(11), 1863-1883, ISSN: 0942-9352, Date of publication: November 27, 2023, URL: https://doi.org/10.1515/zpch-2023-0259. **(IF=3.2, Q3)**.
38. Obaidurahman Abid, Ejaz Ahmed, Hamza Shehzad*, Ahsan Sharif, **Zahoor H. Farooqi**, Zhirong Liu, Limin Zhou, Jinbo Ouyang, Robina Begum, Ahmad Irfan, Aijaz Rasool Chaudhry, Muhammad Imran Din "Competitive recovery of copper ions using ethyl acetoacetate modified chitosan/organo-functionalized alginate hydrogel beads: kinetics and isothermal sorption studies" *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **2023**, 675, Article Number: 132019., ISSN: 0927-7757, Date of publication: 20 October 2023, URL: https://doi.org/10.1016/j.colsurfa.2023.132019 **(IF=5.4, Q2)**
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143. Khalida Naseem, Robina Begum and **Zahoor H. Farooqi*** "Catalytic Reduction of 2-nitroaniline: A Review" *Environmental Science and Pollution Research* **2017**, 24(7), 6446-6460. ISSN: 0944-1344, Date of publication: 01 March 2017, URL: https://link.springer.com/article/10.1007/s11356-016-8317-2.
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176. Hina Naeem, **Zahoor H. Farooqi**, Luqman Ali Shah and Mohammad Siddiq* "Synthesis and characterization of p(NIPAM-AA-AAm) microgels for tuning of optical Properties of silver nanoparticles" *Journal of Polymer Research* **2012**, 19 (9), Article Number: 9950. ISSN: 1022-9760, Date of publication:01 September 2012, URL: https://link.springer.com/article/10.1007/s10965-012-9950-1. **(IF= 2.8, Q3)**
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Book Chapter

1. **Zahoor H. Farooqi** and Mohammad Siddiq "Microgels: Smart Polymer and Hybrid" in *Encyclopedia of Biomedical Polymers and Polymeric Biomaterials*, 1st Ed.; Mishra, M., Ed.; CRC Press Taylor & Francis Group: New York, **2015**, 7, 4701-4715. ISBN: 9781439898796, Date of publication: 02 April 2015, URL: https://www.taylorfrancis.com/books/e/9781351237970.

Books

1. Haq Nawaz Bhatti and **Zahoor H. Farooqi,** Modern Physical Chemistry for BS and M.Sc students published by The Caravan Book House, Anarkali Lahore (September, **2013**) (This book is being taught as a text book of Physical Chemistry for M.Sc and BS classes in Pakistani Universities).
2. Haq Nawaz Bhatti and **Zahoor H. Farooqi**, Experimental Physical Chemistry Laboratory Manual for BS &M.Sc students published by The Caravan Book House, Anarkali Lahore (**2013**).
3. Haq Nawaz Bhatti and **Zahoor H. Farooqi**, Physical Chemistry Laboratory Manual for B.Sc students published by The Caravan Book House, Anarkali Lahore (**2013**).

Research Projects/Funding/Grants

1) Projects won from external sources (other than PU)

1. The funding (**£3000/PKR-146799**) for a short research project/visit to Loughborough University (from October 27, 2023 to November 12, 2023) was sponsored by the Institute of Advanced Studies

(IAS) of Loughborough University, UK to carry out a research work in the field of organic polymeric systems (PI).

2. Funding of project entitled "Training in the on-chip fabrication of smart polymer microgel particles for nanotechnological and environmental applications" with funding of **£5000/PKR-1911333** sponsored by The Royal Society of Chemistry, UK under Analytical Chemistry Trust Fund (ACTF-REF: 21/600504/01 dated 24-02-2022) was utilized for a short visit to Loughborough University, UK from November 07, 2022 to January 11, 2023 (PI).
3. Project entitled "Development of microemulsified-gels as smart-permeators across biological barriers for topical drug delivery" with funding of **Rs. 4197900** sponsored by Higher Education Commission Pakistan under NRPU (No. 20-17321/NRPU/R&D/HEC/2021 dated 28-0202022) is in progress (Co-PI).
4. Project entitled "Synthesis and characterization of inorganic nanoparticles in smart polymer microgels for catalytic applications" with funding of **Rs. 354000** sponsored by Higher Education Commission Pakistan under Pakistan Program for Collaborative Research (No.22-3/HEC/R&D/PPCR/2018 dated March 19, 2018) won for a short visit (from 01-05-2018 to 01-06-2018) to University of Liverpool, UK (PI).
5. Project entitled "Synthesis, Characterization and Catalytic Applications of Metal Nanoparticles Fabricated in Smart Polymer microgels" with funding of **Rs. 3899034** sponsored by Higher Education Commission Pakistan under NRPU (No.20-3995/NRPU/R&D/HEC/14/1212) has been completed (PI).

2) Projects won from internal sources (University of the Punjab, Lahore, Pakistan)

1. **Title of the Project:** Design and fabrication of responsive functional microgels and their hybrids for catalysis
   Amount: 250, 000 (PKR)
   Year: 2024-2025
   Funded by: University of the Punjab, Lahore, Pakistan (Ref. No. D/1924/ORIC dated 19-09-2024)
   Place: School of Chemistry, University of the Punjab, Lahore
   Status: Completed
2. **Title of the Project:** Silver nanoparticles loaded into core-shell microgels for catalytic degradation of toxic dyes
   Amount: 250, 000 (PKR)
   Year: 2022-2023
   Funded by: University of the Punjab, Lahore, Pakistan (Ref. No. D/695/ORIC dated 23-12-2022)
   Place: School of Chemistry, University of the Punjab, Lahore
   Status: Completed
3. **Title of the Project:** Metal nanoparticles immobilized crosslinked smart polymer particles with environmentally controlled optical and catalytic properties
   Amount: 500, 000 (PKR)
   Year: 2021-2022
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/72/Est. I dated 14-01-2022)
   Place: School of Chemistry, University of the Punjab, Lahore
   Status: Completed
4. **Title of the Project:** Microgels stabilized metal nanoparticles for catalysis
   Amount: 150, 000 (PKR)
   Year: 2019-2020
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/503/Est. I)
   Place: Institute of Chemistry, University of the Punjab, Lahore

Status: Completed

5. **Title of the Project:** Synthesis of metal nanoparticles in Core-Shell microgels and their use in catalysis
   Amount: 150, 000 (PKR)
   Year: 2017-2018
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/4112/Est. I Dated 13-09-2017)
   Place: Institute of Chemistry, University of the Punjab, Lahore
   Status: completed

6. **Title of the Project:** Synthesis of Ag-poly(N-isopropylmethacrylamide-co-acrylic acid) hybrid microgels and their use as catalyst for reduction of Nitrophenols
   Amount: 1,50,000 (PKR)
   Year: 2015-2016
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/999/Est. I Dated 08-03-2016)
   Place: Institute of Chemistry, University of the Punjab, Lahore
   Status: Completed

7. **Title of the Project:** Catalytic reduction of 4-nitroaniline using silver nanoparticles fabricated hybrid microgels
   Amount: 1,50,000 (PKR)
   Year: 2014-2015
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/605/Est. I Dated 24-02-2015)

   Place: Institute of Chemistry, University of the Punjab, Lahore
   Status: Completed

8. **Title of the Project:** Modulating Catalytic Activity of Hybrid Microgels Possessing Different Contents of Acidic Monomer
   Amount: 1,50,000 (PKR)
   Year: 2013-2014
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/34/Est. I Dated 06-01-2014)

   Place: Institute of Chemistry, University of the Punjab, Lahore
   Status: Completed

9. **Title of the Project:** Synthesis and Characterization of Microgels Supported Catalysts for Environmental Applications
   Amount: 1,25,000 (PKR)
   Year: 2012-2013
   Funded by: University of the Punjab, Lahore, Pakistan (No. D/5227/Est. I Dated 13-02-2013)

   Place: Institute of Chemistry, University of the Punjab, Lahore
   Status: Completed

10. **Title of the Project:** Synthesis and Characterization of Glucose Responsive Polymer Hydrogels

Amount: 1,25,000 (PKR)
Year: 2011-2012
Funded by: University of the Punjab, Lahore, Pakistan (No. D/473/Est. I Dated 25-01-2012)
Place: Institute of Chemistry, University of the Punjab, Lahore
Status: Completed

11. **Title of the Project:** Smart Polymer Microgels for biomedical and nano- technological Applications
Amount: 1, 25, 000 (PKR**)**
Year: 2010-2011
Funded by: University of the Punjab, Lahore, Pakistan (No. D/5719/Est. I Dated 16-03-2011)
Place: Institute of Chemistry, University of the Punjab, Lahore
Status: Completed

Travel grants won for presentation in International Conferences

1. **Zahoor H. Farooqi** has applied for travel grant for oral presentation of paper entitled "*Metal nanoparticles in microgels for tunable catalysis*" in Chemical Nanoscience Early Career Summer Symposium 2025 organized by the Royal Society of Chemistry at University of Leeds, Leeds, UK to be held on September 08-09, 2025.
2. **Zahoor H. Farooqi** won travel grant (**Rs. 316833** for airfare) from Higher Education Commission (HEC), Pakistan and (**Rs. 300000** for subsistence) from University of the Punjab (PU), Lahore for oral presentation of research work entitled "*Smart polymer microgel-stabilized metal nanoparticles for catalysis*" in Chemical Nanoscience Early Career Spring Symposium 2025 organized by the Royal Society of Chemistry at Department of Chemistry of University College London (UCL), London, UK held on April 09-10, 2025.
3. **Zahoor H. Farooqi** won travel grant (**£500)** from the Royal Society of Chemistry (RSC), UK for poster presentation of research paper entitled "Hollow microgels for Stabilization of catalytically active gold nanoparticles" in ACS/RSC-Qatar Regional MEA Conference 2024 organized by the Royal Society of Chemistry (RSC), UK and The American Chemical Society (ACS), USA in Doha, Qatar on November 03-05, 2024.
4. **Zahoor H. Farooqi** won funding (**£3000**) from IAS, Loughborough University for stay and to deliver an invited lecture on the topic "Smart polymer microgels and their hybrids for environmental and catalytic applications" as IAS Fellow at International House of Institute of Advanced Studies (IAS) of Loughborough University, UK on November 07, **2023**.
5. **Zahoor H. Farooqi** won travel grant (**£500)** from the Royal Society of Chemistry (RSC), UK presented paper entitled "Poly(N-isopropylmethacrylamide) microgels for fabrication and stabilization of gold nanoparticles and their use in catalysis" as a poster in Chemical Science symposium **2023**: Chemistry of Polymers organized by the Royal Society of Chemistry in Burlington House, Piccadilly, London, UK on October 26-27, **2023**.
6. **Zahoor H. Farooqi** won a competitive travel grant/Researcher Development grant (**£450**) from RSC, UK for poster presentation of paper entitled "Smart polymer microgels for fabrication and stabilization of silver nanoparticles with catalytic potential" in Chemical Science symposium **2022**: Sustainable synthesis and catalysis organized by the Royal Society of Chemistry in Burlington House, Piccadilly, London, UK on November 10-11, 2022.
7. **Zahoor H. Farooqi** won Pasifichem-2021 Early Career Chemist Travel Grant (**$499**) to pay registration of the event for virtual poster presentation of a paper entitled "Core-shell microgel stabilized silver nanoparticles for catalysis" in The International Chemical Congress of Pacific Basin Societies 2021 held on December 16-21, **2021**.

8. **Zahoor H. Farooqi** won travel grant (**Rs. 300000**) from PU Lahore for poster presentation of research paper entitled "Silver nanoparticles stabilized in organic polymer microgels for catalytic applications" in Chemical Science Symposium on Functional Organic Materials organized by the Royal Society of Chemistry in Burlington House, Piccadilly, London, UK on September 24-25, **2019**.
9. **Zahoor H. Farooqi** won travel grant (**Rs.328362**) from Punjab Higher Education Commission (PHEC) for oral presentation of research paper entitled "Reduction of methyl orange in the presence of silver-poly(N-isopropylacrylamide-2-hydroxyethylmethacrylate-acrylic acid) hybrid microgels Catalyst" in UK Catalysis Conference **2019** held in Loughborough organized by School of Chemical Engineering and Analytical Science, The University of Manchester, UK on January 09-11, **2019**.
10. ***Zahoor H. Farooqi*** won travel grant (**Rs. 300000**) from PU Lahore for poster presentation of research paper entitled "Organic-inorganic hybrid nanoparticles for catalytic application" in RSC Dalton 2018 organized by Department of Chemistry, University of Warwick, Coventry, UK on April 03-05, **2018**.
11. ***Zahoor H. Farooqi*** won travel grant (**Rs. 340375**) from Higher Education Commission (HEC) Pakistan research paper entitled "Facile fabrication of silver nano catalysts within polymer microgel particles for reduction reactions in aqueous medium" presented as poster in the 91st American Chemical Society Colloid and Surface Science Symposium hosted by The City College of New York, New York, USA on July 09-12, **2017**.
12. **Zahoor H. Farooqi** won travel grant (**Rs. 202424**) from Punjab Higher Education Commission (PHEC), Pakistan for oral presentation of paper entitled "Silver nanoparticles fabricated N-isopropylmethacrylamide based hybrid microgels catalyst for reduction of 2-nitroaniline" published as abstract of oral presentation in abstract book of the 13th Zsigmondy colloquium of the German Colloid Society organized by Leibniz Institute for New Materials (INM) and Saarland University, Saarbrücken, Germany held on April 05-07, **2017**.
13. **Zahoor H. Farooqi** won travel grant (**Rs. 298776**) from HEC, Pakistan for poster presentation of paper entitled "N-isopropylmethacrylamide based hybrid microgels as highly efficient and economical catalysts for reduction reaction" presented as poster presentation in the 5th International Conference on Multifunctional, Hybrid and Nanomaterials (HYMA 2017) organized by Elsevier in Lisbon, Portugal held on March 06-10, **2017**.
14. ***Zahoor H. Farooqi*** won travel grant (**Rs. 300000**) from PU Lahore for poster presentation of Paper entitled "Poly(N-isopropylnethaacrylamide-co-methacrylic acid) microgels as nano-reactors for catalytically active silver nanoparticles" in the 3rd International Symposium on Catalysis for Clean Energy and Sustainable Chemistry (CCESC 2016) organized by AeH2, EQS and CSIC in collaboration with Institute of Catalysis and Petrochemistry, Madrid Spain held on September 07-09, **2016**.
15. ***Zahoor H. Farooqi*** won travel grant (**Rs. 157560**) from HEC, Pakistan for oral presentation of paper entitled "Catalytic reduction of 2-Nitroaniline in aqueous medium using silver nanoparticles functionalized polymer microgels" presented as oral presentation in the 1st International Conference on Applied Chemistry (ICAC 2015) "Chemistry for sustainable World" organized by King Abdul Aziz University, Jeddah, Saudi Arabia held on November 18-19, **2015**.
16. ***Zahoor H. Farooqi*** won travel grant (**Rs. 300000**) from PU Lahore for poster presentation of paper entitled "Silver nanoparticles fabricated in poly(N-isopropylacrylamide-co-Acrylic Acid) for catalytic reduction of nitrobenzene" presented as the poster presentation in the 17th international Symposium on relations between Homogenous and Heterogeneous Catalysis organized by Catalysis Centre Utrecht, Utrecht University, The Netherlands held on July 12-15, **2015**.
17. ***Zahoor H. Farooqi*** won travel grant (**Rs. 300000**) from PU Lahore for poster presentation of paper entitled "Study of kinetics of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacryalmide-co-allylacetic acid) hybrid microgels" in the 5th EuCheMs Chemistry

Congress, WOW Istanbul Convention Centre Turkey organized by European Chemical Society on August 31 to September 4, **2014**.

Virtual participation in International Conferences

18. **Zahoor H. Farooqi***, Khalida Naseem, Robina Begum paper entitled "*Thermally tunable catalysis of organic-inorganic hybrid polymer system*" was presented as poster presentation in Reaction Mechanism in Catalysis: Faraday Discussion organized by the Royal Society of Chemistry held in Burlington House, Piccadilly, London, UK on February 17-19, **2021** as virtual event.
19. **Zahoor H. Farooqi** attended **2021** Virtual Symposium on Microgels organized by the SFB 985, RWTH Aachen University, Germany in six sessions held on March 17, 24 and 31, April 07, 14 and 21, 2021.
20. **Zahoor H. Farooqi** *, Khalida Naseem and Robina Begum paper entitled "Core-shell microgel stabilized silver nanoparticles for catalysis" was presented as poster presentation in The International Chemical Congress of Pacific Basin Societies 2021 held on December 16-21, **2021** as virtual event).
21. **Zahoor H. Farooqi** attended 2020 Virtual Symposium on Microgels organized by the SFB 985, RWTH Aachen University, Germany in three sessions held on September 30th, October 7th and October 14th **2020** on Zoom.

International Conferences organized

1. Worked as organizer, member Food Committee, Member Press and Publication and Member Fund Raising Committee in 25th National and 13th International Chemistry Conference organized by The Chemical Society of Pakistan and Institute of Chemistry, University of the Punjab, New Campus Lahore held on October 20-22, **2014**.

Participation in National Conferences

1. Paper entitled "Synthesis and characterization of poly(N-isopropylmethacrylamide) cross-linked polymers immobilized rhodium nanoparticles for catalytic applications" authored by Ahmad Hassan, Iqra Sajid, **Zahoor H. Farooqi**, and Robina Begum was presented as poster in One Day Symposium on "Recent Trends in Industrial Chemistry and Optics" organized by the School of Physical Sciences, University of the Punjab, Lahore, Pakistan on March 08, **2024**.
2. **Zahoor H. Farooqi***, Robina Begum paper entitled "Smart polymer microgels and hybrid microgels for environmental and catalytic applications" was presented as a **Keynote Speaker** in International Conference entitled "Revamped Scientific Outlook of 21st Century" organized by Rawalpindi Women University, Pakistan held on November 15, **2023**.
3. **Zahoor H. Farooqi***, Robina Begum paper entitled "Smart polymer microgels loaded with metal nanoparticles for catalysis" was presented as an **invited talk** in International Conference on Chemical and Materials Sciences organized by Department of Chemistry, The University of Lahore held in Hall A, Expo Centre, Johar Town, Lahore on May 21, **2022**.
4. Khalida Naseem, **Zahoor H. Farooqi**, Robina Begum presented paper entitled "Simultaneous Catalytic Reduction of Toxic Dyes Using Recyclable Core Shell Nanoparticles" in 1st International Industrial Chemistry Conference 2021 (1st IICC 2021) organized by NED University of Engineering and Technology (NEDUET), Karachi on February 26-28th 2021.
5. **Zahoor H. Farooqi** attended 1st International Conference on Advances in Materials Science (AIMS 2020) organized by University of Education, Lahore held on July 23-24, **2020** on Zoom.
6. **Zahoor H. Farooqi***, Khalida Naseem, Robina Begum, **invited talk** entitled "Smart polymer microgels loaded with silver nanoparticles for catalytic applications" in 30th National and 18th International Chemistry Conference on Recent trends in Chemistry **2019** held on November 27-29, **2019** at Department of Chemistry, University of Management and Technology, Lahore.
7. Khalida Naseem, **Zahoor H. Farooqi**, Paper entitled "Individual and simultaneous degradation of nitro aromatic compounds using polystyrene-poly(N-isopropylmethacrylamide-acrylic acid) [PSt-pNIPMam-Ac] Core@Shell Hybrid Microgel catalyst" presented as oral presentation in 2nd International Conference on Chemistry (ICC), Advances in the Field of Polymer, Material and Bio-Chemistry held in Lahore Garrison University, Lahore, Pakistan on April 26-27, **2019**.

8. Khalida Naseem, **Zahoor H. Farooqi**, Paper entitled "Investigation of activity of polystyrene-poly(N-isopropyl methacrylamide-acrylic acid) based catalyst for degradation of nitro aromatic compounds" presented as oral Presentation in 8th Invention to Innovation Summit Punjab (To Buy and Sell Technology) held in 2-3 April, **2019** in CEMB, University of the Punjab, Lahore.
9. **Zahoor. H. Farooqi**, Muhammad Dilshad, Khalida Naseem, Robina Begum, Paper entitled "silver nanoparticles fabricated poly(N-isopropylacrylamide-2-hydroxyethylmethacrylate-acrylic acid) hybrid microgels catalysts for reduction of 2,4-dinitrophenol" presented as poster Presentation in 8th Invention to Innovation Summit Punjab (To Buy and Sell Technology) held in 2-3 April, 2019 in CEMB, University of the Punjab, Lahore.
10. Khalida Naseem, **Zahoor H. Farooqi** Paper entitled "Investigation of Catalytic Activity of Polystyrene based Core@Shell Hybrid Particles for Rapid Degradation of Toxic Dyes" presented as poster presentation in 2nd International Conference on Recent Advances in Chemical Sciences Organized by Department of Chemistry, GC University, Lahore and Pakistan Institute of Chemists (PIC) in GCU, Lahore on March 20-22, **2019**.
11. Khalida Naseem, **Zahoor H. Farooqi**, Muhammad Zia Ur Rehman, Paper entitled "Novel core/shell gels based nano-catalysts for rapid degradation of toxic dyes and nitro aromatic compounds" presented as oral presentation in Three-day conference on "Nanomaterials: New Trends in Development and Applications" held on 29 – 31 January, **2019** at the Forman Christian College (A Chartered University), Lahore, Pakistan.
12. **Zahoor H. Farooqi***, Khalida Naseem, Robina Begum, Jawayria Najeeb, Numan Bhatti paper entitled "Silver nanoparticles engineered core shell smart polymer hybrid microgels for environmental applications" presented as poster presentation in 7th Invention to Innovation Summit 2018 held at University of the Punjab, New Campus Lahore, Pakistan on March 7-8, **2018**.
13. *Khalida Naseem, **Zahoor H. Farooqi***, Muhammad Zia Ur Rehman, Paper entitled "Biosorptive removal of cadmium (II) ions from wastewater by agriculture biomass" was presented as oral presentation at the ICPBS-2018 Conference held in Expo Center, Lahore, Pakistan on January 23-24, **2018**.
14. *Khalida Naseem, **Zahoor H. Farooqi*** Paper entitled "Catalytic efficiency of silver nanoparticles engineered P(NIPMAM-Ac) based hybrid microgels for reduction of nitroarenes" presented as poster presentation in One day International Conference on recent challenges and Chemical Sciences held in Bahauddin Zakariya University (BZU), Multan, Pakistan on December 22, **2017**.
15. *Khalida Naseem, **Zahoor H. Farooqi**, Robina Begum* Paper entitled "Catalytic efficiency of P(NIPMAM) based core shell hybrid micorgels for reduction of 4-Nitroaniline" accepted for oral presentation in 28th National and 16th International Chemistry Conference on Global Challenges and Chemistry held in Department of Chemistry, Federal Urdu University for Arts, Science and Technology, Karachi, Pakistan on November 20-22, **2017**.
16. *Khalida Naseem, **Zahoor H. Farooqi*** Paper entitled "Reduction of o-nitroaniline in aqueous medium using silver nanoparticles fabricated hybrid microgels as catalysts" accepted for oral presentation in 1st National Science Conference (Sciences for the Betterment of Humanity) held in The Govt. Sadiq College Women University Bahawalpur held on May 4-6, **2017**.
17. *Khalida Naseem, **Zahoor H. Farooqi**, Robina Begum*, paper entitled "Silver nanoparticles fabricated poly(N-isopropylacrylamide-acrylic acid) hybrid microgels as efficient catalyst for reduction of nitroaromatic compounds" has been accepted for poster presentation in 1st National Science Conference (Sciences for the Betterment of Humanity) in The Govt. Sadiq College Women University, Bahawalpur being held on May 04-05, **2017**.
18. ***Zahoor H. Farooqi****, *Robina Begum, Khalida Naseem, Ejaz Ahmed, Ahsan Sharif* paper entitled "Organic-Inorganic hybrid nano-reactors for simultaneous reduction of nitroaromatic compounds" published as abstract of oral presentation in the 27th National and 15th International Chemistry Conference (Chemcon 2016) organized by The University of Malakand, Chakdara, Dir (Lower), Khyber Pakhtunkhwa, Pakistan held on August 22-25, **2016**.

19. *Robina Begum*, **Zahoor H. Farooqi**, Ejaz Ahmed, Khalida Naseem, Sania Ashraf, Ahsan Sharif, Rida Rehan* paper entitled "Silver-Poly(N-isopropylacrylamide-acrylamide) hybrid microgels for catalysis" published as abstract of oral presentation in the 27th National and 15th International Chemistry Conference (Chemcon 2016) organized by The University of Malakand, Chakdara, Dir (Lower), Khyber Pakhtunkhwa, Pakistan to be held on August 22-25, **2016**.
20. *Khalida Naseem*, **Zahoor H. Farooqi**, Robina Begum* paper entitled "Reduction of o-Nitroaniline in aqueous medium using silver nanoparticles loaded Poly(N-isopropylacrylamide-co-methacrylic acid) hybrid microgels as catalyst" published as abstract of oral presentation in the 27th National and 15th International Chemistry Conference (Chemcon 2016) organized by The University of Malakand, Chakdara, Dir (Lower), Khyber Pakhtunkhwa, Pakistan to be held on August 22-25, **2016**.
21. ***Zahoor H. Farooqi***, *Khalida Naseem, Robina Begum* Paper entitled "Simultaneous reduction of nitroarenes by silver nanoparticles fabricated Poly(*N*-isopropylacrylamide-*co*-acrylamide-*co*-acrylic acid) hybrid microgels" published as abstract of oral presentation in 7th Chemistry Conference 2015 on Chemistry in Engineering & Life Sciences jointly Organized by Chemistry Division, PINSTECH, UML, NCC, CPC and PIEAS held on November 24-25, **2015**.
22. *Robina Begum*, Khalida Naseem, **Zahoor H. Farooqi*** Paper entitled "Catalytic reduction of 2-nitroaniline in aqueous medium using Multi-responsive hybrid microgels as catalysts" published as abstract of oral presentation in 7th Chemistry Conference 2015 on Chemistry in Engineering & Life Sciences jointly Organized by Chemistry Division, PINSTECH, UML, NCC, CPC and PIEAS held on November 24-25, **2015**.
23. ***Zahoor H. Farooqi***, *Khalida Naseem, Robina Begum, Aysha Ijaz* Paper entitled "Silver-Poly(N-isopropylacrylamide-co-methacrylic acid) copolymer hybrid microgels for catalytic reduction of o-Nitroaniline in aqueous medium" presented as oral presentation in the 26th national and 14th international Chemistry Conference of the Chemical Society of Pakistan organized by The Islamia University of Bahawalpur, held on October 5-8, **2015**. ***Zahoor H. Farooqi*** attended one day workshop on nanoscience and nanotechnology organized by Nano-Chemistry Laboratory GC University Lahore on 27-08-**2015**.
24. ***Zahoor H. Farooqi***, *Shanza Rauf Khan, Robina Begum* Paper entitled "Mechanism and kinetics of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacryalmide-co-allylacetic acid) hybrid microgels" presented as oral presentation in the 25th National and 13th International Chemistry Conference organized by The Chemical Society of Pakistan and Institute of Chemistry, University of the Punjab, New Campus Lahore held on October 20-22, **2014**.
25. **Zahoor H. Farooqi** Participation in the exhibition on "Technologies Having Potential for Commercialization" on 3rd Invention to Innovation Summit 2014 held on March 19-20, **2014** at University of the Punjab, Lahore.
26. ***Zahoor H. Farooqi***, *Zonarah Butt, Muhammad Ajmal, Mohammad Siddiq* Paper entitled "Poly (N-isopropylacrylamide-co-Methacrylic acid) Microgel stabilized Copper Nanoparticles for Catalytic Applications" presented as oral presentation in 12th International and 24th National Chemistry Conference jointly organized by The Chemical Society of Pakistan and Institute of Chemical Sciences Bahauddin Zakariya University Multan Pakistan dated October 28-30, **2013.**
27. ***Zahoor H. Farooqi***, *Shanza Rauf Khan, Kiran Ejaz, Shumaila Majeed, Tajamal Hussain, Farah Kanwal* Paper entitled "Modulating the Catalytic Activity of Silver Nanoparticles Fabricated Hybrid Microgels with Different Crosslinker Contents" presented in International Conference on Physical & Environmental Chemistry (ICPEC-2013) organized by National Center of Excellence in Physical Chemistry, University of Peshawar, Summer Campus, Bara Gali, District Abbotabad dated September 9-11, **2013**.
28. ***Zahoor H. Farooqi***, *Abbas Khan, Mohammad Siddiq* Paper entitled "Temperature responsive poly(N-isopropylacrylamide-acrylamide-phenylboronic acid) microgels for stabilization of silver nanoparticles" presented as oral presentation in the 11th International and 23rd National Chemistry Conference 2012, University of Peshawar, October 15-17, **2012**.

29. ***Zahoor H. Farooqi****, Weitai Wu, Shuiqin Zhou, Mohammad Siddiq* Paper entitled "Engineering of Phenylboronic Acid-Based Glucose-Sensitive Microgels with 4-Vinylpyridine for Working at Physiological pH and Temperature" presented as oral presentation in 10th International and 22nd National Chemistry Conference organized by Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan November 21-23, **2011**.
30. **Zahoor H. Farooqi***, Abbas Khan, Mohammad Siddiq Paper entitled "Synthesis and Characterization of Smart Polymer Microgels for Biomedical Applications" presented as oral presentation in National Symposium on Kinetics & Catalysis (KC-2011) organized by National Centre of Excellence in Physical Chemistry, University of Peshawar Summer Campus Baragali, Distt. Abbotabad 26th-28th September **2011**.
31. ***Zahoor H. Farooqi****, Abbas Khan, Mohammad Siddiq* Paper entitled "Temperature-induced volume change and glucose sensitivity of poly[(N-isopropylacrylamide)-co-acrylamide-co-(phenylboronic acid)] microgels" presented as oral presentation in First National Conference on Physical & Environmental Chemistry (PEC-2010) organized by National Center of Excellence in Physical Chemistry, University of Peshawar, Summer Campus, Bara Gali, District Abbottabad dated 26th-30th September, **2010**.
32. *Mohammad Siddiq*, **Zahoor H. Farooqi**, Muhammad Usman, Abbas Khan* Paper entitled "Association behavior of triblock copolymer $E_{20}B_{10}E_{20}$ in aqueous medium" presented as oral presentation in 19th National Chemistry Conference held in Department of Chemistry, Kohat University of Science and Technology, Kohat from June 9 to June 11, **2009**.
33. ***Zahoor H. Farooqi****, Mohammad Siddiq, Muhammad Usman, Abbas Khan* Paper entitled "Association behavior of triblock copolymers of oxyethylene and oxybutylene in aqueous medium" presented as oral presentation in 18th National Chemistry Conference held in February 25-27, **2008** at Institute of Chemistry, University of the Punjab, Lahore.

Awards and Achievements

Awards from organizations other than home organization

1. **Zahoor H. Farooqi** is named in World's top 2% highly cited researchers list for last consecutive four years (from 2021 to 2025) (Updated science-wide author databases of standardized citation indicators) published by Elsevier BV on September 16, **2024** (Version 7, Table 1 authors single year 2023, position: 120050), URL:https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw and https://topresearcherslist.com/Home/Profile/881947.
2. The paper "**Zahoor H. Farooqi***, Robina Begum*, Khalida Naseem, Weitai Wu, Ahmad Irfan "Zero Valent Iron Nanoparticles as sustainable nanocatalysts for Reduction reactions" Catalysis Reviews-Science and Engineering (CR-SE) **2022**, 64(2), 286-355, URL: https://doi.org/10.1080/01614940.2020.1807797, **(IF=10.1, Q1)**" won the Chemical Society of Pakistan (CSP) **award** "Review Article with Highest Impact Factor" in the opening ceremony of the 21st International and 33rd National Chemistry Conference on "Chemical Sciences: Technology, Innovation, and Sustainability" on October 23–25, **2023**, at QAU, Islamabad, Pakistan.
3. 1st poster award for poster entitled "Ag incorporated hybrid microgels for catalytic reduction of 4-nitrophenol" authored by Iftikhar Hussain, Faisal Ali, Zahoor H. Farooqi, Robina Begum, Fizza Malik in International Conference on Chemical and Materials Sciences organized by Department of Chemistry, The University of Lahore held in Hall A, Expo Centre, Johar Town, Lahore on May 21, 2022.
4. PCST research productivity award **2017-2018** won for research contribution in **2016** (Sr. No33, Sci-ID: 109, Grand Score: 11.98, Category: D). Ranked on position 54 in under 40 scientists and 160 in overall in chemical Sciences in Pakistan according to Directory of Productive Scientists of Pakistan 2017 published by PCST.

5. Dr. M. Raziuddin Siddiqui prize **2021** in Chemistry for scientists under 40 in recognition of outstanding work in the subject awarded by the Council of the Pakistan Academy of Sciences (PAS) on 27-11-2021 in the meeting of PAS General Body.
6. The Chemical Society of Pakistan award of highest accumulative impact factor of publications in 2018 was awarded in the opening ceremony of the annual meeting of the chemical society of Pakistan which is scheduled held at UMT Lahore on November 27, **2019**.
7. First prize winner in poster presentation in10th International and 22ndNational Chemistry Conference organized by Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan November 21-23, **2011**.
8. First, 2nd and 3rd position winner in debate competitions at division and provincial level.

Achievements and Awards received from home organization

9. Zahoor H. Farooqi won Research Incentive Award (2nd position in faculty members of School of Chemistry) received in **2021** for the publications of 2020 by University of the Punjab, Lahore (PKR-**203,860** vide letter No. D/4805/Est.I dated 30/11/**2021**).
10. Performance Evaluation Award received in **2021** for the performance in year 2019 by University of the Punjab, Lahore (Performance marks percentage = 92% vide letter No. D/4456/Est.I dated 15/10/**2021**).
11. Zahoor H. Farooqi won Research Incentive Award (1st position in faculty members of Institute of Chemistry) received in **2020** for the publications of 2019 by University of the Punjab, Lahore (PKR-**170,611** vide letter No. D/2243/Est.I dated 29/12/**2020**).
12. Research Incentive Award (1st position in faculty of Institute of Chemistry) received in **2020** for the publications of 2018 by University of the Punjab, Lahore (PKR-**176,921** vide letter No. D/761/Est.I dated 15/04/**2020**).
13. Technology award won on 7th Invention to Innovation Summit **2018** organized by ORIC, University of the Punjab, Lahore, Pakistan on March **7**-8, **2018** in collaboration with many public and private institutions.
14. Research Incentive Award for the publications of **2017** by University of the Punjab Lahore (PKR-**58048** vide letter No. D/1737/Est.I dated 29/05/2019).
15. Performance evaluation award for the year **2017** by University of the Punjab, Lahore (79.71%, vide letter No. D/2054 /Est.I dated 08-06-2018).
16. Performance Evaluation Award for the year **2016** by University of the Punjab, Lahore (77.12%, vide letter No. D/2028 /Est.I dated 14-06-2017).
17. Performance Evaluation Award for the year **2015** by University of the Punjab, Lahore (74.16%, vide letter No. D/975/1/9/Est.I dated 08-03-2016).
18. Research Incentive Award for the publications of **2015** by University of the Punjab Lahore (PKR-**78,750** vide letter No. D/1558/Est.I dated 05/05/2017).
19. Performance Evaluation Award for the year **2014** by University of the Punjab, Lahore (71.17%, vide letter No. D/566-J-7 /Est.I dated 23-02-2015).
20. Research Incentive Award for the publications of **2014** by University of the Punjab Lahore (PKR-22417 vide letter No.D/916/Est-I dated 04/03/2016).
21. Performance Evaluation Award for the year **2013** by University of the Punjab, Lahore (52.67%, vide letter No. D/4594/118-P/Est.I dated 09-06-2014).
22. Research Incentive Award for the publications of **2013** by University of the Punjab Lahore (PKR-51833 vide letter No. D/6954/Est.I dated 31-12-2014).
23. Research Incentive Award for the publications of **2012** by University of the Punjab Lahore (PKR-43000 vide letter No. D/1102/Est.I dated 24-08-2013).
24. Research Incentive Award for the publications of **2011** by University of the Punjab Lahore (PKR-79166 vide letter No. D/1657/Est.I dated 03-05-2012).
25. Best debater of the college award winner of Government College Khanewal during 1999-2003.

List of PhD Theses Supervised/in Progress

Serial No.	Roll No.	Name of student	Session	Title of thesis	Status
1	20	Muhammad Shahid	2013-19	N-Isopropylacrylamide Based Hybrid Microgels for Catalytic Degradation of Toxic Chemicals in Aqueous Medium **Enrollment date: 06-09-2013, Reg. No. 2003-i-190**	**Completed** on 13-01-2020
2	24	Khalida Naseem	2015-19	Synthesis and characterization of multifunctional inorganic-organic hybrid microgels for catalytic applications **Enrollment date: 23-09-2015, Reg. No. 2010-uic-67**	**Completed** on 25-09-2019
3	P-CHE-01	Sadia Iqbal	2016-20	Synthesis and characterization of inorganic nanoparticles for catalytic applications **Enrollment date: 15-0-2016, Reg. No. WUM/CHE-16/4-351**	**Completed** on 31-03-2022
4	11	Iftikhar Hussain	2015-19	Synthesis, characterization and catalytic applications of nanocatalysts **Enrollment date: 23-09-2015, Reg. No. 2002-ij-62**	**Completed** on 03-03-2022
5	09	Muhammad Arif	2017-22	Synthesis, characterization and applications of metal nanoparticles fabricated in microgels **Enrollment date: 20-02-2017, Reg. No. 2007-i-679**	**Completed** on 12-08-2022
6	14	Ghulam Mustafa	2017-22	Synthesis, Characterization and Applications of Inorganic Nanoparticles Loaded Microgels **Enrollment date: 20-02-2017, Reg. No. 2004-i-317**	**Completed** on 13-12-2024
7	19	Azhar Ahmad	2019-23	Fabrication and Stabilization of Inorganic Nanoparticles in Polymer Microgels for Environmental Applications **Enrollment date: 05-09-2019, Reg. No. 2010-uic-90**	**Completed on 06-08-2025**

List of M. Phil/MS theses supervised

Serial No.	Roll No.	Name of student	Session	Title of thesis
01	79	Hifza Khatoon	2023-25	Synthesis of palladium nanoparticles in vinylimidazole based microgels for catalytic degradation of organic toxins present in water
02	86	Ureej Akram	2023-25	Silver nanoparticles loaded vinylimidazole based microgel system for the efficient catalytic degradation of toxic eosin Y dye in aqueous medium

03	88	Sundus Fatima	2023-35	In situ synthesis of palladium nanoparticles within dispersion of microgels for catalytic reduction of eosin for greener future
04	86	Muhammad Tayyab Niaz	2022-24	Synthesis, characterization, and environmental applications of polystyrene-poly (N-isopropylmethacrylamide-co-acrylic acid-acrylamide) core-shell microgels and their hybrids
05	87	Ayesha Nasir	2022-24	Catalytic reduction of 2,4-dinitrophenol using Palladium nanoparticles immobilized in poly (N-isopropylmethacrylamide-co-dimethylaminoethyl methacrylate) microgels
06	88	Noor-e-Fatima	2022-24	Fabrication of poly (N-isopropylmethacrylamide-2-hydroxyethylmethacrylate-allylacetic acid) hybrid microgels for catalytic applications
07	89	Laiba Mustafa	2022-24	Synthesis of gold nanoparticles within a microgel system for catalytic reduction of rhodamine B in aqueous medium
08	77	Ahmad Hassan	2021-2023 (Fall)	Synthesis and characterization of poly(N-isopropylmethacrylamide) microgels immobilized rhodium nanoparticles for catalytic applications
09	78	Iqra Sajid	2021-2023 (Fall)	Synthesis, characterization and catalytic applications of gold nanoparticles endowed in poly(N-isopropylmethacrylamide) microgels
10	79	Muhammad Akmal	2021-2023 (Fall)	Facile synthesis of UV-curable PVA based hydrogel and their hybrids for biological and catalytic applications
11	84	Zobia Ahmad	2021-2023 (Fall)	Poly(N-isopropylacrylamide)-chitosan microgels loaded with gold nanoparticles for the catalytic reduction of 4-nitrophenol

12	54	Faiqa Yasmin	2020-2022 (Fall)	Synthesis, characterization, and catalytic applications of silver nanoparticles supported on reduced graphene oxide and polymer microgels
13	56	Alisha Irshad	2020-2022 (Fall)	Catalytic reduction of 4-nitroaniline using gold nanoparticles functionalized poly(N-isopropylmethacrylamide) microgels
14	63	Rashida Mukhtar	2020-2022 (Fall)	Kinetics and mechanism of reduction of 4-nitrophenol catalyzed by silver@poly(N-isopropylmethacrylamide) hybrid microgels
15	46	Hira Zulfiqar	2018-2020 (Fall)	Synthesis and characterization of N-vinyl caprolactam based microgels loaded with silver nanoparticles for catalytic reduction of 4-Nitroaniline **Date of enrollment: 22-10-2018, Reg. No. 2014-uic-112**
16	58	Fatima Tahir	2018-2020 (Fall)	Catalytic reduction of 2-Nitroaniline using silver nanoparticles stabilized in poly(N-vinyl caprolactam) microgels **Date of enrollment: 22-10-2018, Reg. No. 2018-uic-128**
17	55	Aqsa Noor	2018-2020 (Fall)	Poly(N-vinyl caprolactam) microgels loaded with metal nanoparticles for catalytic reduction of 4-nitrophenol **Date of enrollment: 22-10-2018, Reg. No. 2015-uic-30**
18	52	Anam Masaud	2017-19 (Spring)	Study of catalytic activity of silver nanoparticles loaded microgels towards reduction of 3-nitroaniline in aqueous medium **Reg. No. 2015-uic-2**
19	56	Abdul Jalil	2017-19 (spring)	Silver nanoparticles loaded N-isopropylmethacrylamide based microgels for catalytic reduction of 4-nitrophenol **Reg. No. 2015-uic-41**
20	57	M. Waseem Akram	2017-19 (Spring)	Catalytic reduction of Chromium (VI) to Chromium (III) using Core- Shell polymer microgels loaded with Palladium nanoparticles **Reg. No. 2012-gsr-152**
21	53	Muhammad Amir	2017-19 (Fall)	Synthesis of Palladium Nanoparticles loaded core-shell Hybrid Microgels and their Application for Catalytic Reduction of 4-Nitrophenol
22	55	Khadija Chaudhary	2017-19 (Fall)	Rhodium nanoparticles loaded core-shell hybrid microgels for catalytic reduction of Congo red dye **Reg. No. 2017-uic-132**

23	45	Javeria Tariq	2016-18 (Spring)	Synthesis and characterization of Core-shell hybrid polymer microgels for catalytic reduction of nitrobenzene
24	47	Haleema Asghar	2016-18 (Spring)	Core shell hybrid microgels for catalytic reduction of 4-nitroaniline
25	53	Saddiqa Bibi	2016-18 (Spring)	Silver nanoparticles fabricated polystyrene based core shell hybrid microgels for catalytic reduction of 2-nitroaniline **Reg. No. 2012-igl-624**
26	60	Mazia Nasir	2016-18	Synthesis of silver nanoparticles fabricated in core-shell microgels and their catalytic application in reduction of 2-nitrophenol
27	51	Jawayria Najeeb	2016-18	Silver nanoparticles fabricated in core-shell microgels as effective nanocatalyst for catalytic reduction of 2-nitroaniline **Reg. No. 2012-uic-80**
28	37	Ayesha Sattar	2015-2017 (Spring)	In situ synthesis of silver nanoparticles within poly(N-isopropylacrylamide-co-acrylic acid) microgels and their catalytic application for reduction of methyl orange dye in aqueous medium
29	39	Afsheen	2015-2017 (Spring)	Synthesis and characterization of smart polymer hybrid microgels for catalytic degradation of Rhodamine B
30	40	Hamadia Sultana	2015-2017 (Spring)	Catalytic degradation of Malachite Green using silver nanoparticles fabricated hybrid polymer microgels
31	43	Muhammad Sadaf Hussain	2015-17	Synthesis and characterization of hybrid microgels for catalytic degradation of Rhodamine B in aqueous medium
32	46	Faisal Ali	2015-17	Silver-poly(N-isopropylmethacrylamide-co-acrylic acid-co-2-hydroxyethylacrylate) hybrid microgels for catalytic degradation of Congo Red and Methylene Blue dyes in aqueous medium
33	28	Nazima Rani	2014-16 (spring)	synthesis of silver-poly(N-isopropylmethacrylamide-co-acrylic acid) hybrid microgels and their use as microreactor for the reduction of 4-nitroaniline
34	30	Rida Rehan	2014-16	Synthesis and Characterization of microgel stabilized silver nanoparticles for optical sensing and catalytic applications
35	29	Sania Ashraf	2014-16	Synthesis of silver-poly (N-isopropylmethacrylamide-methacrylic acid) hybrid microgels and their application in the field of Catalysis
36	26	Zonarah Butt	2013-15 (spring)	Fabrication and Stabilization of Silver Nanoparticles in poly(*N*-isopropylacrylamide-2-Hydroxyethyl methacrylate-Acrylic Acid) microgels for Catalytic Reduction of 4-Nitrophenol

37	26	Khalida Naseem	2013-15	Catalytic reduction of 2-Nitroaniline in aqueous medium using silver nanoparticles functionalized copolymer microgels
38	27	Aysha Ijaz	2013-15	Silver Nanoparticles embedded poly(N-isopropylacrylamide-co-acrylic Acid) hybrid microgels for catalytic reduction of 4-Nitroaniline
39	24	Naghza Tariq	2012-14	Fabrication of silver nanoparticles in poly(N-isopropylacrylamide-co-allylacetic acid) microgels for catalytic reduction of nitroarenes
40	26	Shanza Rauf Khan	2012-14	Kinetics and mechanism of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacrylamide-co-allyl acetic acid) hybrid microgels.

List of M. Phil/MS Theses Co-Supervised

Serial No.	Roll No.	Name of student	Session	Title of thesis
1	27	Sadia Iqbal	2011-13	Cobalt and nickel nanoparticles fabricated microgels for catalytic applications
2	28	Tanzila Sakhawat	2011-13	Silver nanoparticles fabricated N-isopropylacrylamide microgels for catalytic applications
3	05	Ghulam Mustafa	2010-12	Kinetic study of reduction of p-nitrophenol using silver nanoparticles based hybrid microgels as catalyst

M.Sc/ BS theses supervised

Serial No.	Roll No.	Name of student	Program of study	Session	Title of thesis
01	26	Zakia Fatima	BS (M)	2021-25	Polymer stabilized silver nanoparticles for catalytic degradation of Congo red dye
02	27	Saira Ijaz	BS (M)	2021-25	Synthesis of catalytically active hybrid microgels and their characterization by using UV-Visible and FTIR spectroscopies
03	51	Maryam Asif	BS (E)	2021-25	Study of catalytic degradation of organic toxins present in water
04	34	Sadaf Nisar	BS ADP (M)	2023-25	Polymer microgels for fabrication of inorganic nanoparticles for catalysis

05	39	Shehzad Ahmad	BS ADP (M)	2023-25	Organic-inorganic hybrid nanoparticles for catalytic degradation of dyes
06	05	Areeba Shafiq	BS ADP (E)	2023-25	Degradation of dyes by microgels embedded with metal nanoparticles
07	06	Aiza Younas	BS ADP (E)	2023-25	Poly(N-isopropylmethacrylamide-co-acrylic acid) microgels and their applications in nanotechnology and catalysis
08	44	Aliha Amjad	ADP Morning	2022-24	Poly(N-isopropylacrylamide-co-acrylic acid) stabilized silver nanoparticles for catalytic reduction of 4-Nitrophenol
09	46	Iqra Rubab	ADP Morning	2022-24	Poly(N-isopropylacrylamide) loaded with silver nanoparticles for catalytic degradation of methylene blue
10	56	Maryam Tahir	ADP Morning	2022-24	Study of catalytic activity of silver nanoparticles loaded in ploy(N-isopropylacrylamide) microgels
11	03	Fatima Khan	ADP Evening	2022-24	Silver nanoparticles immobilized in polymer microgels as a highly efficient and economical catalyst for catalytic reduction of 2,4-dinitrophenol
12	71	Tooba Faiz	ADP Evening	2022-24	Catalytic degradation of methyl orange in aqueous medium using silver-ploy (N-isopropylacrylamide) hybrid microgels
13	14	Sawiera Shabbir	ADP Evening	2022-24	Catalytic reduction of 4-Nitroaniline in the presence of hybrid microgels in aqueous medium
14	56	Shehzad Riaz	BS	2020-24	Catalytic degradation of Rhodamine B using inorganic-organic hybrid microgels in aqueous medium
15	06	Sundus Fatima	BS	2019-2023	Synthesis of silver nanoparticles loaded microgels for catalytic conversion of 4-nitrophenol to 4-aminophenol in aqueous medium
16	51	Hifza Khatoon	BS	2019-2023	Hybrid microgels for catalytic conversion of 4-nitroaniline to 4-aminoaniline in aqueous medium
17	11	Shiza Tallat	ADP Morning	2021-2023	Catalytic degradation of Methyl Orange in aqueous medium using silver-poly (N-isopropylacrylamide-co-acrylic acid) microgels
18	29	Umm-e-Farwa	ADP Morning	2021-2023	Silver-poly (N-isopropylacrylamide-

					co-acrylic acid) hybrid microgels for catalytic degradation of Eosin Y in aqueous medium
19	11	Humaira Bashir	ADP Evening	2021-2023	Smart hybrid particles for catalytic degradation of Congo red in aqueous medium
20	55	Anfa Shoukat	ADP Evening	2021-2023	Hybrid microgels catalyzed degradation of Methylene blue in aqueous medium
21	65	Sana Zafar	ADP Evening	2021-2023	Fabrication of silver nanoparticles in poly (N-isopropylacrylamide-co-acrylic acid) microgels for catalytic degradation of Rhodamine B
22	74	Shamila Ramzan	ADP Evening	2021-2023	Silver-(N-isopropylacrylamide-co-acrylic acid) hybrid microgels for catalytic degradation of Brilliant blue
23	017054	Iqra Aqeel	M.Sc.	2020-22	Synthesis of Ag- poly (N-isopropylacrylamide- acrylic acid) hybrid microgels for catalytic reduction of Methylene Blue
24	017080	Amna Waseem	M.Sc.	2020-22	Catalytic Reduction of Brilliant Blue Dye using Poly(N-isopropylacrylamide-co-acrylic acid) Microgels Fabricated with Silver Nanoparticles
25	017056	Farah Farooq	M.Sc.	2020-22	Synthesis of Ag-poly(N-isopropylacrylamide-acrylic acid) hybrid microgels for catalytic reduction of Eosin Y in aqueous medium
26	017083	Fatima Azam	M.Sc.	2020-22	Catalytic reduction of 4-nitrophenol using silver nanoparticle
27	016996	Shehneela Noor	M.Sc.	2020-22	Catalytic reduction of 2-Nitroaniline by silver nanoparticles containing p(NIPAM-AA) hybrid microgels
28	017036	Tabindah Saeed	M.Sc.	2020-22	Synthesis of silver nanoparticles fabricated Poly(N-isopropylacrylamide co-acrylic acid) hybrid microgel and its application for the catalytic reduction of methyl orange
29	017065	Aqsa Shahid	M.Sc.	2020-22	Hybrid microgels catalyzed reduction of Rhodamine B
30	13	Ayesha Nasir	BS	2018-22	Catalytic reduction of 2-Nitroaniline using silver nanoparticles immobilized in poly(N-isopropylmethacrylamide-

					co-dimethylaminoethyl methacrylate) microgels
31	23	Misbah Fatima	BS	2018-22	Synthesis of silver nanoparticles in poly (N-isoproylacrylamide-co-dimethylaminoethylmethacrylate) microgels for catalytic reduction of 4-Nitroaniline
32	09	Arooj Fatima	BS	2017-21	Study of the catalytic activity of silver nanoparticles loaded in polymer microgels towards reduction of 2-Nitrophenol
33	25	Iqra Sajid	BS	2017-21	Synthesis of poly (N-isopropylacrylamide-co-acrylic acid) microgels and their hybrids for catalytic conversion of 4-nitrophenol to 4-aminophenol in aqueous medium
34	032255	Aqsa Nazir	M.Sc.	2019-21	Catalytic reduction of nitrobenzene using poly(N-isopropylacrylamide-co-acrylic) microgels fabricated with silver nanoparticles
35	032214	Farzana Batool	M.Sc.	2019-21	Hybrid microgels catalyzed reduction of 4-nitroaniline
36	032219	Abeer Fatima	M.Sc.	2019-21	Catalytic reduction of 2-nitroaniline by silver- poly(N-isopropylacrylamide-co-acrylic) hybrid microgels
37	032202	Sana Zahra	M.Sc.	2019-21	Synthesis of silver- poly(N-isopropylacrylamide-co-acrylic) hybrid microgels for catalytic reduction of methylene blue
38	032266	Maria Anis	M.Sc.	2019-21	Catalytic reduction of Eosin Y using hybrid microgels
39	032234	Laiba Amin	M.Sc.	2019-21	Catalytic reduction of Congo red using silver nanoparticles engineered poly(N-isopropylacrylamide-co-acrylic) hybrid microgels

40	030950	Shabbir Ghulam Rasool	M.Sc	2018-20	Catalytic reduction of 4-nitrophenol using silver nanoparticles stabilized in poly(N-isopropylmethacrylamide) microgels
41	030947	Mahrukh Zahid	M.Sc	2018-20	Catalytic degradation of Rhodamine B using hybrid microgels
42	030959	Arfa Asif	M.Sc	2018-20	Catalytic reduction of hexavalent chromium using hybrid microgels
43	030958	Qurat-ul-ain	M.Sc	2018-20	Synthesis of poly(N-isopropylmethacrylamide) microgels for stabilization of silver nanoparticles
44	031114	Farah Iqbal	M.Sc	2018-20	Catalytic reduction of methylene blue in the presence of hybrid microgels
45	030888	Rabia Safdar	M.Sc	2018-20	Silver nanoparticles loaded in polymer microgels for catalytic reduction of 2-Nitroaniline
46	031055	Asif Shabbir	M.Sc	2018-20	Synthesis of silver nanoparticles in N-isopropylmethacrylamide microgels and their catalytic activity towards reduction of 4-Nitroanaline
47	04	Rashida Mukhtar	BS	2016-20	Palladium Nanoparticles Stabilized in Polymeric Systems
48	44	Sajid Wazir	BS	2016-20	Fabrication of Palladium Nanoparticles in Poly(N-isopropylmethacrylamide) Microgels for Catalytic Reduction of 4-Nitroaniline
49	55	Faiza Aslam	BS	2015-19	Catalytic degradation of Congo red by silver nanoparticles fabricated poly(styrene-N-isopropylmethacrylamide) core-shell hybrid microgels
50	38	Humna Mushtaq	BS	2015-19	Synthesis of silver nanoparticles fabricated polystyrene based hybrid microgels catalysts and their applications for reduction of Rhodamine B.
51	21	Nimra Zawar	BS	2015-19	Silver nanoparticles fabricated polystyrene-poly(N-isopropylmethacrylamide) core-shell microgels catalysts and their

					applications for reduction of methyl orange in aqueous medium
52	036806	Maria Naz	M.Sc	2017-19	Systematic study of reduction of brilliant blue dye in the presence of responsive core shell hybrid microgels catalyst.
53	036809	Maryam Fatima	M.Sc	2017-19	Silver nanoparticles loaded polystyrene-poly(N-isopropylmethacrylamide) core shell hybrid microgel catalyst for reduction of 4-Nitrophenol
54	036846	Rabia Ijaz	M.Sc	2017-19	Reduction of 4-Nitroaniline using silver-polystyrene-poly(N-isopropylmethacrylamide) hybrid microgels as catalyst
55	036863	Amina Bibi	M.Sc	2017-19	Reduction of 2-Nitroaniline using polystyrene based core shell responsive hybrid microgels catalyst
56	38	Hira Zulfiqar	BS	2014-18	Synthesis of silver nanoparticles fabricated in poly(N-isopropylacrylamide-2-hydroxyethylmethacrylate-acrylic acid) microgels catalyst and their catalytic application in reduction of 4-nitroaniline
57	14	Fatima-Tul-Zohra	BS	2014-18	Catalytic degradation of Rhodamine B using silver nanoparticles fabricated N-isopropylacrylamide based hybrid microgels
58	58	Shumaila Batool	BS	2014-18	Synthesis of silver nanoparticles fabricated in poly(N-isopropylacrylamide-2-hydroxyethylmetacryate-Acrylic acid) microgels catalysts and their catalytic application for reduction of methyl orange dye in aqueous medium
59	041538	Kinza Rubab	M.Sc	2016-18	Catalytic reduction of 3-Nitroaniline by silver nanoparticles fabricated in poly(N-isopropylacrylamide-co-2-hydroxyethylmethacrylate-co-acrylic acid) core-shell microgels system
60	041656	Numan Rafiq	M.Sc	2016-18	Catalytic degradation of 4-nitrotoluene using silver nanoparticles fabricated Ag-P(NIPAM-Aa-Hema) hybrid core-shell microgels
61	041549	Sana Arshad	M.Sc	2016-18	Synthesis of silver nanoparticles fabricated in poly(N-isopropylacrylamide-2-hyroxyethylmethacrylate-acrylic acid) microgels catalyst and their applications for reduction of Congo red in aqueous medium

62	041667	Muhammad Dilshad	M.Sc	2016-18	Synthesis of silver nanoparticles fabricated in poly(N-isopropylacrylamide-2-hydroxyethylmethacrylate-acrylic acid) microgels catalysts and their catalytic applications for reduction of 2,4-dinitrophenol
63	037908	Hina Manzoor Ahmad	M.Sc	2015-17	Synthesis and characterization of catalytic degradation of Rhodamine B in aqueous medium
64	037923	Misbah Arshad	M.Sc	2015-17	Catalytic degradation of methyl orange in the presence of silver-poly(N-isopropylmethacrylamide-co-acrylic acid) hybrid microgels
65	037994	Anum Masaud	M.Sc	2015-17	Systematic study of catalytic degradation of m-nitroaniline in the presence of responsive hybrid catalyst
66	038052	Muhammad Waseem Akram	M.Sc	2015-17	Synthesis and characterization of silver nanoparticles in N-isopropylmethacrylamide based microgels for catalytic degradation of methylene blue dye
67	34	Rida Khalid	BS	2013-17	Catalytic reduction of 4-Nitroaniline by utilizing silver nanoparticles loaded in poly(N-isopropylmethacrylamide-co-methacrylic acid) microgels
68	44	Muhammad Ahmad	BS	2013-17	Catalytic reduction of 2-Nitroaniline using silver nanoparticles immobilized in poly(N-isopropylmethacrylamide-co-methacrylic acid) microgels
69	45	Ammara Shahadat	BS	2013-17	Study of catalytic potential of silver nanoparticles loaded in polymer microgels towards reduction of 2-nitrophenol
70	20	Jawayria Najeeb	BS	2012-16	Silver nanoparticles immobilized in aqueous microgels as highly efficient and economical catalyst for the catalytic reduction of 2-Nitroaniline
71	21	Ghazia Ahmed	BS	2012-16	Synthesis of Silver Nanoparticles in poly(N-isopropylacrylmide-2-hydroxy ethyl methacrylate-acrylic acid) microgels for their catalytic application in reduction of 4-nitroaniline.
72	039822	Fozia Arif	M.Sc	2014-16	Reduction of 2-nitrophenol in the presence of silver-poly(N-isopropylmethacrylmide-co-acrylic acid) hybrid microgels.
73	039867	Javeria Tariq	M.Sc	2014-16	Synthesis and characterization of multi-responsive hybrid polymer microgels for catalytic reduction of nitrobenzene.

74	039805	Sana Khalid	M.Sc	2014-16	Catalytic degradation of methylene blue using silver nanoparticles fabricated N-isopropylmethacrylamide based hybrid microgels.
75	10	Zeenat Shaheen	B.S	2011-15	Catalytic reduction of 2-Nitroaniline using poly(N-isopropyl acrylamide-co-acrylamide-co-acrylic acid) polymer microgels fabricated with silver nanoparticles.
76	034157	Muhammad Bilal	M.Sc	2013-15	Catalytic reduction of 4-nitrophenol using silver nanoparticles embedded hybrid microgels in aqueous medium.
77	033997	Ayesha	M.Sc	2013-15	Catalytic Reduction of nitrobenzene in the presence of silver-poly(N-isopropylacrylamide-acrylic acid-acrylamide) hybrid microgels
78	034102	Maria Rauf	M.Sc	2013-15	Catalytic reduction of 4-nitroaniline using poly(N-isopropylacrylamide-acrylic acid-acrylamide) polymer microgels fabricated with silver nanoparticles.
79	44	Muhammad Ikram	BS	2010-14	Synthesis and Characterization of hybrid microgels for catalytic reduction of p-nitrophenol in aqueous medium
80	038010	Mazia Nasir	M.Sc	2012-14	Synthesis and Characterization of Silver Nanoparticles in N-isopropylacrylamide based microgels for catalytic reduction of 2-Nitrophenol in aqueous medium
81	038089	Hafiza Nadia Akram	M.Sc	2012-14	Rapid reduction of Nitrobenzene using multi-responsive hybrid microgels as catalysts in aqueous medium
82	040080	Umma Rubab	M.Sc	2011-13	Synthesis and characterization of silver nanoparticles fabricated hybrid microgels for catalytic reduction of nitrobenzene
83	040082	Zonarah Butt	M.Sc	2011-13	Poly(N-isopropylacrylamide-co-methacrylic acid) microgel stabilized copper nanoparticles for catalytic applications
84	040160	Almas Alvi	M.Sc	2011-13	Silver nanoparticles stabilized in N-isopropylacrylamide based microgels for catalytic reduction of nitrobenzene
85	042550	Shanza Rauf Khan	M.Sc	2010-12	Synthesis, characterization and silver nanoparticles fabrication in N-isopropylacrylamide based microgels for degradation of p-nitrophenol
86	14	Sobia Jabeen	BS	2008-12	Silver nanoparticles based hybrid polymer microgels for catalytic reduction of p-nitrophenol in aqueous medium

87	05	Zoya Ateeq	M.Sc	2009-11	Smart polymer microgels as micro-reactors for tuning of optical properties of silver nano-particles
88	20	Farah Tufail	BS	2007-11	Synthesis and characterization of poly(N-isopropylacrylamide) microgels
89	18	Sadia Iqbal	BS	2007-11	Study of pH and temperature sensitivity of poly(N-isopropylacrylamide-co-acrylic acid) microgels

Membership of Societies

- Associate Member of Royal Society of Chemistry, UK (AMRSC: 673804 dated 18 June 2019)
- Regular Member of American Chemical Society, USA (Membership #31984987 dated 22-07-2019)
- Member of Committee of The Joint Colloids Group (SCI and RSC) UK since 18-12-2024 (https://colloidsgroup.org.uk/committee-members/)
- Life Member of Chemical Society of Pakistan (P-0419 since 2008)
- E-Member of Society of Chemical Industry (SCI) (Membership # 229885)
- IAS Fellow of Loughborough University, Loughborough, UK.
- Member of Literary Society of Department of Chemistry QAU, Islamabad.

References

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