



Miranda House

UNIVERSITY OF DELHI

Name: Dr. Priyanka Yadav

Department: Chemistry

Current Designation: Assistant Professor (Guest)

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Academic Qualifications (reverse chronological order):

2016-2022: Ph.D. Chemistry, Department of Chemistry, University of Delhi

2013-2015: M.Sc. (Physical Chemistry), Department of Chemistry, University of Delhi

2010-2013: B. Sc. Maharishi Dayanand University, Haryana

Field of Specialization under the Subject/Discipline: Physical chemistry

Total Teaching Experience: 1.5 years

Teaching at Miranda House since: 28 September 2022

List of Publications (reverse chronological order):

1. **Yadav P**, Awasthi SK. Probing Catalytic Activity of Highly Efficient Sulfonic Acid Fabricated Cobalt Ferrite Magnetic Nanoparticles for Clean and Scalable Synthesis of Dihydro, Spiro and bis Quinazolinones. *New Journal of Chemistry*. 2021, 45, 15928.
2. Kakati P, Singh P, **Yadav P**, Awasthi SK. Aiding the versatility of simple ammonium ionic liquid by the synthesis of bioactive 1,2,3,4-tetrahydropyrimidine, 2-aminothiazole and quinazolinone derivatives. *New Journal of Chemistry*. 2021, 45, 6724.
3. Yadav J.K, **Yadav P**, Agarwal A. Molecular docking and density functional theory studies of potent 1,3-disubstituted- 9*H*-pyrido[3,4-*b*]indoles antifilarial compounds. *Structural Chemistry*, 2021 (DOI: 10.1007/s11224-021-01772-4).
4. **Yadav P**, Kakati P, Singh P, Awasthi SK. Application of Sulfonic Acid Fabricated Cobalt Ferrite Nanoparticles as Effective Magnetic Nanocatalyst for Green and Facile Synthesis of Benzimidazoles. *Applied Catalysis A: General*. 2021, 612, 118005.
5. Sharma K, **Yadav P**, Sharma B, Pandey M, Awasthi SK. Interaction of coumarin triazole analogs to serum albumins: Spectroscopic analysis and molecular docking studies. *Journal of Molecular Recognition*. 2020 Feb 3, 2834.



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6. Singh P, **Yadav P**, Mishra A, Awasthi SK. Green and Mechanochemical One-Pot Multicomponent Synthesis of Bioactive 2-amino-4*H*-benzo[*b*]pyrans via Highly Efficient Amine-Functionalized SiO₂@Fe₃O₄ Nanoparticles. ACS Omega. 2020, 5, 4223-4232.
7. **Yadav P**, Sharma B, Sharma C, Singh P, Awasthi SK. Interaction between the Antimalarial Drug Dispiro-Tetraoxanes and Human Serum Albumin: A Combined Study with Spectroscopic Methods and Computational Studies. ACS omega. 2020,5, 6472-80.
8. Yadav JK, **Yadav P**, Awasthi SK, Agarwal A. Efficient *N*-formylation of primary aromatic amines using novel solid acid magnetic nanocatalyst. RSC Advances. 2020, 10(67), 41229-36.
9. **Yadav P**, Kumar Yadav J, Dixit AK, Agarwal A, Kumar Awasthi S. Insight into the interaction of benzothiazole tethered triazole analogues with human serum albumin: Spectroscopy and molecular docking approaches. Luminescence. 2019, 34(8), 812-22.
10. **Yadav P**, Yadav JK, Agarwal A, Awasthi SK. Insights into the interaction of potent antimicrobial chalcone triazole analogs with human serum albumin: spectroscopy and molecular docking approaches. RSC Advances. 2019, 9(55), 31969-78.

Seminars/Workshops/Conferences attended (reverse chronological order):

1. Oral presentation in National Conference on newer avenues in the field of chemical science, SKIT, Jaipur. 13-15th February 2020.
2. Poster presentation in ISNSCON 2018 6th World Congress on Nanomedical Sciences, organized by University of Delhi, on 7-10th January, 2019.
3. Paper presentation in National Conference on Recent Trends and Advancement in Chemical Sciences, from 29-31th March, 2019, organized by University of Delhi.
4. Poster presentation in the National workshop on "Thieme Chemistry: Science of Synthesis", at Department of Chemistry, University of Delhi on 28th December 2018.
5. Poster presentation at Indo-US Colloquium on "Recent developments in interdisciplinary research" organized by Loyola University Stritch School of Medicine, USA in Hansraj College, University of Delhi on 2nd July 2018.