

RESEARCH PUBLICATIONS

(a) Books- Self authored/co-authored/edited

Sl. No.	Title of the Book (s)	Whether Sole Author or Co-author	Name of Publisher (with city/country)	Month& year of publication	Refereed or Non-refereed	ISBN/ ISSN No.
1.	Chalcones: A Scaffolds with Multifarious activity	Sole Author	Lambert Academics Germany	2013	Refereed	978-3-659-32482-6
2.	Drug targets for chalcones in malaria: In silico docking studies	First Author	Lambert Academics Germany	2018	Refereed	978-613-9-87670-9

(b) Chapters contributed in edited books

Sl. No.	Title of Chapter (s)	Title of the Book(s)	Authors	Name of Publisher (with city/country)	Month & year of Publication
1.	Chalcones as antimalarials: In silico and synthetic approach	The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs	Kamal Kumar Chaudhary, Pooja Kannoja, Nidhi Mishra	Formatex Research Center, Spain	October 2015
2.	Liquid Crystal Systems in Drug Delivery	Handbook of Research on Novel Approaches for Drug Delivery	Kamal Kumar Chaudhary, Pooja Kannoja, Nidhi Mishra	IGI Global. Main Office 701 E. Chocolate Ave. Hershey, PA 17033, USA	Nov 2015
3.	Bioinformatics and its therapeutic applications	Handbook of Research on Novel Approaches for Drug Delivery	Sarvesh Kumar Gupta, Kamal Kumar Chaudhary, Nidhi Mishra	IGI Global. Main Office 701 E. Chocolate Ave. Hershey, PA 17033, USA	Jan 2016

4.	Quantum Dots for Drug delivery	Nanoconjugate and Nanocarriers for Drug Delivery	Komal Sharma, Arushi Verma, Ayushi Gupta, Nidhi Mishra	Apple Academic Press, CRC Press, Taylor & Francis Group, USA	Mar 2017
5.	Nanocellulose	Handbook of ecomaterials	Nishtha Singh, Sonal Upadhyay, Nidhi Mishra	Springer International Publishing	2018
6	Polymeric Biomaterials in Tissue Engineering	Functional Materials and Advanced Manufacturing	Akhilesh Kumar Maurya, Nidhi Mishra	CRC Press Taylor & Francis.	2020
7	Smart Polymeric Biomaterials in Tissue Engineering	Functional and Smart Materials	Akhilesh Kumar Maurya, Nidhi Mishra	Apple academic press	2020
8	Nanoengineered polymeric biomaterials for drug delivery system	Nanoengineered Biomaterials for Advanced Drug Delivery	Akhilesh Kumar Maurya, Anamika Mishra, Nidhi Mishra	Elsevier	2020

Research Articles/Papers published in Referred Journals.

1. Maurya, Akhilesh Kumar, Viswajit Mulpuru, and Nidhi Mishra. "Discovery of Novel Coumarin Analogs against the α -Glucosidase Protein Target of Diabetes Mellitus: Pharmacophore-Based QSAR, Docking, and Molecular Dynamics Simulation Studies." *ACS omega* (2020).
2. Viswajit Mulpuru, Rahul Semwal, Pritish Kumar Varadwaj and Nidhi Mishra*, "HAMP: A Knowledgebase of Antimicrobial Peptides from Human Microbiome.", *Current Bioinformatics* (2020) 15: 1. <https://doi.org/10.2174/1574893615999200802041228>.
3. Akhilesh Kumar Maurya & Nidhi Mishra (2020): In silico validation of coumarin derivatives as potential inhibitors against Main Protease, NSP10/NSP16-Methyltransferase, Phosphatase and Endoribonuclease of SARS CoV-2 , *Journal of Biomolecular Structure and Dynamics*, DOI: 10.1080/07391102.2020.1808075.

4. Anamika Mishra, Ravi Raushan, Nidhi Mishra. (2020). Target Gene Identification of Breast Cancer using Protein-Protein Interaction Network Analysis. *International Journal of Advanced Science and Technology*, 29(04), 8477
5. Shristi Modanwal, Suraj Kumar Tiwari and Nidhi Mishra. Drug Design against Obesity Using Computer Aided Approach. *International Journal of Advanced Science and Technology* Vol. 29, No.4, (2020), pp.8798 –8809
6. Santosh K. Maurya, Akhilesh Kumar Maurya, Nidhi Mishra & Hifzur R. Siddique(2020): Virtual screening, ADME/T, and binding free energy analysis of anti-viral, anti-protease, and anti-infectious compounds against NSP10/NSP16 methyltransferase and main protease of SARS-CoV-2, *Journal of Receptors and Signal Transduction*. DOI: [10.1080/10799893.2020.1772298](https://doi.org/10.1080/10799893.2020.1772298)
7. Akhilesh Kumar Maurya, Nidhi Mishra. In Silico Study of Coumarin Derivatives Against Enoyl ACP Reductase, Ornithine Acetyltransferase and Protein Kinase B Target Enzymes of Mycobacterium tuberculosis. In 2019 IEEE 16th India Council International Conference (INDICON) 2019 Dec 13 (pp. 1-4). IEEE.
8. Vishwajit Mulpuru, Akhilesh Kumar Maurya, Nidhi Mishra. CFD Analysis of Anticancerous Ag and CuO Nanoparticles in Tumor Angiogenic Vessels. In 2019 IEEE 16th India Council International Conference (INDICON) 2019 Dec 13 (pp. 1-2). IEEE.
9. Shruti Gupta, Aparajita Basu, Anamika Jaiswal and Nidhi Mishra. COMPUTATIONAL METHODS IN DRUG DISCOVERY, *IJPSR 2018; Vol. 9(10): 4102-4108*.
10. Dharendra Kumar Bharti, Kamal Kumar Chaudhary, Sarvesh Kumar Gupta, Nidhi Mishra “Computational Identification of Protein Tyrosine Phosphatase IB Inhibitors for checking Type II Diabetes” *Research & Reviews: Journal of Medical Science and Technology*(2017) 6, (3),21-25.
11. Saurav K Mishra, Dharendra Bharti, , Nidhi Mishra “Vdoc: A Medical Chatbot that Acts as a Virtual Doctor” *Research & Reviews: Journal of Medical Science and Technology*(2017) 6, (3),16-20.
12. Kamal Kumar Chaudhary, Nidhi Mishra, “Investigation of the Interaction between Chalcones with CT-DNA by Molecular Docking, ADMET and Fluorescence Spectroscopy” *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer*, DOI 10.1007/s40010-017-0346-9, (SCI)
13. Kamal Kumar Chaudhary, Sarvesh Kumar Gupta, Nidhi Mishra “Flavanoids as potential NEDD-4 inhibitors: in-Silico Discovery Using Molecular Docking and ADME studies”. *Interdisciplinary Sciences: Computational Life Sciences, Springer*, (2017) 9:56-64 (SCI)
14. Nidhi Mishra¹, Amit Mishra² Indian Drugs and Pharmaceutical Industry: “Commitment to Ensure Right to Health for all its Citizens” *IJRSET*, Vol. 6, Issue 8, August 2017. 15604-15611.
15. Puneet Kumar, Nidhi Mishra, “Computational identification of inhibitors of PGES- 1 in rheumatoid arthritis by virtual screening and molecular docking” *Online Journal of Bioinformatics*. (2017) 18(1):7-18.
16. Nidhi Mishra, Perna Pant, Ankit Porwal, Juhi Jaiswal, Mohd. Aquib Samad, Suraj Tiwari “Targeted Drug Delivery: A Review”, *Am J Pharmtech Res*. (2016), 6(1)
17. Nishtha Singh, Sonal Upadhyay, Ankur Jaiswar, Nidhi Mishra, “In-silico Analysis of Proteins”, *JSM Bioinformatics Genomics and Proteomics*. (2016) 1(2): 1007
18. Apurva Srivastava, Tejaswita Yadav, Soumya Sharma, Anjali Nayak, Akanksha Kumari, Nidhi Mishra, “Polymers in Drug Delivery” *Journal of Biosciences and Medicines*. (2016) 4, 69-84.

19. Kamal Kumar Chaudhary, Nidhi Mishra, "A Review on Molecular Docking: A Novel Tool for Drug Delivery", *JSM Chemistry*. (2016) 4(3): 1029.
20. Nishtha Singh, Sonal Upadhyay, Ankur Jaiswar, Anshu Tripathi, Nidhi Mishra "Review: Molecular modeling computer aided drug design" *Online Journal of Bioinformatics*. (2016) 17(3):168-169
21. Sarvesh Kumar Gupta, Kamal Kumar Chaudhary, Utkarsh Raj, Nidhi Mishra "Computational Identification of Inhibitors Against DPP-IV for Checking Type-2 Diabetes" *Letters in Drug Design & Discovery*, (2016) 13, 1-8 (SCI)
22. Ekta Pandey, Keerti Srivastava, Saurabh Gupta, Suravi Srivastava, Nidhi Mishra, "Some Biocompatible Materials used in Medical Practices – A Review" ,*IJPSR*. (2016), 7(7): 2748-2755.
23. Kamal Kumar Chaudhary, Utkarsh Raj, Pritish Kumar Varadwaj, Nidhi Mishra, "Novel Potent Plasmepsin-I (PMI) Inhibitors: An In-Silico Approach", *Current Proteomics*. (2016) 13(3): 196-205. (SCI)
24. Nidhi Mishra, Kamal Kumar Chaudhary, Satish Kumar Awasthi. "Pyrrolidinyl group as charge donor for the excited state intramolecular charge transfer in 3-(4-methoxyphenyl)-1-(4-(pyrrolidin-1-yl) phenyl) prop-2-en-1-one" *Journal of Applied Chemistry and Modeling*. (2015) 4, 72-82.
25. Kamal Kumar Chaudhary, Sarvesh Kumar Gupta and Nidhi Mishra "An *In Silico* approach for targeting Plasmodium phosphatidylinositol 4-kinase to eradicate malaria," International Conference proceeding on Advanced Computing & Communication Technologies (ICACCT 2015), , India, 27-29 November 2015. ISBN 978-981-10-1023-1, 279-288.
26. Sandeep K. Dixit, Nidhi Mishra *et.al.* Synthesis and in vitro antiplasmodial activities of fluoroquinolone analogs. *European Journal of Medicinal Chemistry*, 2012, Volume 51, Pages 52-59.
27. Nidhi Mishra and Preeti Sehgal Molecular Iodine as a catalyst, *Res. J. Chem & Environ.*, 2010, 14 (4), 77-79.
28. Satish K. awasthi, Nidhi Mishra, Sandeep Kumar Dixit, Alka Singh, Marshleen Yadav, Sudhanshu S. Yadav and Sushma Rathaur, Antifilarial Activity of 1,3-Diarylpropen-1-One: Effect on Glutathione-S-Transferase, a Phase II Detoxification Enzyme. *Am. J. Trop. Med. Hyg.*, 2009, 764-768.
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