

List of publications:

Peer-Reviewed Publications:

1. Chandra R, Madan J, Singh P, Chandra A, **Kumar P**, Tomar V, Dass SK. Implications of nanoscale-based drug delivery systems in delivery and targeting tubulin binding agent, noscapine in cancer cells. *Current Drug Metabolism* 2012; 13(10):1476-1483 DOI: 10.2174/138920012803762756.
2. **Kumar P**, Singh P, Kumari K, Mozumdar S, Chandra R. A green approach for the synthesis of gold nanotriangles using aqueous leaf extract of *Callistemon viminalis*. *Materials Letters* 2011; 65(4):595-597. DOI: 10.1016/j.matlet.2010.11.025.
3. Singh P, **Kumar P**, Kumari K, Sharma P, Mozumdar S, Chandra R. A rapid and simple route for the synthesis of lead and palladium nanoparticles in tetrazolium based ionic liquid. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2011; 78(2):909-912. DOI: 10.1016/j.saa.2010.11.039.
4. Singh P, **Kumar P**, Katyal A, Kalra R, Dass SK, Prakash S, Chandra R. Synthesis and electrochemical studies of charge-transfer complexes of thiazolidine-2,4-dione with σ and π acceptors. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2010; 75(3):983-991. DOI: 10.1016/j.saa.2009.12.019.
5. Singh P, **Kumar P**, Katyal A, Kalra R, Dass SK, Prakash S, Chandra R. Phosphotungstic Acid: an efficient catalyst for the aqueous phase synthesis of bis- (4-hydroxycoumarin-3-yl) methanes. *Catalysis Letters* 2010; 134(3-4):303-308. DOI: 10.1007/S10562-009-0239-X.
6. Ratra S, Pant B, Roy K, Manohar S, **Kumar P**, Singh S, Tumba K, Kumari K, Singh P. A review on synthesis of antiviral drugs, in silico studies and their toxicity. *Journal of the Indian Chemical Society* 2023; 100(3). DOI: 10.1016/j.jics.2023.10093.

7. Rawat AK, Kumar P, **Kumar P**, Singh K. Boric Acid: A Mild and Efficient Green Catalyst for Organic Transformations. *SynOpen* 2023; 7(290-292). DOI:10.1055/a-2110-2785; Art ID: SO-2022-11-0067-SPOT.

Book Chapters:

1. Chandra R, Madan J, Singh P, Kumar P, Tomar V, Dass SK, Chandra A. Noscapines: Novel Carrier Systems to Target Tumor Cells. In: Thomas Ming Swi Chang editor. *Selected Topics in Nanomedicine*, New Jersey: World Scientific Publishing Co., Inc; 2013 p. 381-410. ISBN (hardcover): 978-981-4472-85-2, ISBN (eBook): 978-981-4472-87-6.
2. Kumari K, Singh P, Shrivastava RC, Kumar P, Mehrotra GK, Samim M, Chandra R, Mordhwaj. A green approach for the synthesis of Thiazolidine-2,4-dione and its analogues using gold NPs as catalyst in water. In: Khemani LD, Srivastava MM, Srivastava S editors. *Chemistry of Phytopotentials: Health, Energy and Environmental Perspectives*, Berlin Heidelberg: Springer; 2012, p. 329-333. ISBN (Print): 978-3-642-23393-7, ISBN (Online): 978-3-642-23394-4.