

Research Details

- 1) Virendra Nath, Rohini Agrawal, Vipin Kumar. Computational identification of potential dipeptidyl peptidase (DPP)-IV inhibitors: Structure based virtual screening, molecular dynamics simulation and knowledgebased SAR studies. *Journal of Molecular Structure* (Elsevier), Volume 1224, Jan. 2021. <https://doi.org/10.1016/j.molstruc.2020.129006>(Impact factor: 2.463)
- 2) Virendra Nath, Rohini Agrawal, Vipin Kumar. Structure based docking and molecular dynamics studies: Peroxisome proliferator-activated receptors α/γ dual agonists for treatment of metabolic disorders. *Journal of Biomolecular Structure and Dynamics* (JBSD) (Taylor & Francis).2020, Vol. 38, 511-523(**Impact factor: 3.107**) doi.org/10.1080/07391102.2019.1581089
- 3) Rohini A, Neeraj Agrawal, Harish Kumar, Virendra Nath, Vipin Kumar, Norbixin, an apocarotenoid derivative activates PPAR γ in Cardiometabolic Syndrome: Validation by *In Silico* and *In Vivo* Experimental Assessment. *Life Sciences* (Elsevier), 2018 Sep 15;209:69-77(**Impact factor: 3.92**)**doi: 10.1016/j.lfs.2018.08.001.**
- 4) Virendra Nath, Rohini A., Vipin Kumar. Virtual Screening and In Silico Simulation Analysis for Rapid and Efficient Identification of Novel Natural GPR40 Agonist. *Letters in Drug Design & Discovery* (Bentham Science), Accepted. Doi: 10.2174/1570180815666180914162935
- 5) Virendra Nath, Rohini A., Vipin Kumar. Identification of novel G-protein coupled receptor 40 (GPR40) agonists by hybrid in silico screening techniques and molecular dynamics simulations. *Journal of Biomolecular Structure and Dynamics* JBSD (Taylor & Francis). 2019, Vol. 37, 3764-3787(**Impact factor: 3.107**)
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- 7) Harish Kumar, Rohini Agrawal and Vipin Kumar, *Barleria cristata*: perspective towards phytopharmacological aspects. *Journal of Pharmacy and Pharmacology*, 2018 (**Impact factor: 2.62**).
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- 9) Evaluation of anticancer potential of *Terminalia chebula* fruits against ehrlich ascites carcinoma induced cancer in mice, RohiniAhuja, Neeraj Agrawal, Alok Mukerjee, *Journal of Scientific and innovative research*, 2(3), 2013, 549-554, ISSN 2230-4818.

- 10) “Implication of *Punica granatum* Leaves in Experimental Cardiac Hypertrophy” by Rohini, Neeraj Agrawal, M.J.N Chandrasekar, U.V.S Sara, *The Pharma Innovation-Journal*, 2(1), 1-16, 2013.
- 11) “Evaluation of cardioprotective effect of zingiber *officinale* in experimental animals” by A. Rohini, Neeraj Agrawal, M.J.N Chandrasekar, U.V.S Sara, *International Journal of Current Pharmaceutical Review and Research*. 4(1), 1-9, 2013.
- 12) “Ameliorative Role of *Momordica charantia* in Partial Abdominal Aortic Constriction Induced Experimental Cardiac Hypertrophy” by A. Rohini, Neeraj Agrawal, M.J.N Chandrasekar, U.V.S Sara, *International Journal of Pharmaceutical and Clinical Research*, 5(1): 26-31, 2013. **(Impact factor: 1.72)**
- 13) Polymeric Prodrugs: Recent Achievements and General strategies” by Neeraj Agrawal, A. Rohini, Alok Mukherji, *Journal of Antivirals & Antiretrovirals.S15*, 2013. doi: 10.4172/jaa.S15-007.**(Impact factor: 2.96)**.
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- 18) “Synthesis, chemical hydrolysis, and bioavailability evaluation of Poly(HEMA)-ibuprofen conjugate as macromolecular prodrug” Neeraj Agrawal, M. J. N. Chandrasekar, U. V. S. Sara, and A. Rohini, *International journal of drug delivery technology*, 2(1), 12-17, 2010, **(Impact factor: 1.851)**
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