

List of Publications from Thesis

1. **Uddipak Rai**, Ramoji Kosuru, Swati Prakash, Surya Pratap Singh, Hareram Birla, Vinod Tiwari, Sanjay Singh. Tetramethylpyrazine prevents diabetes by activating PI3K/Akt/GLUT-4 signalling in animal model of type-2 diabetes. **Life Sciences** 2019; 236: 116836. (IF-3.448)
2. **Uddipak Rai**, Ramoji Kosuru, Swati Prakash, Vinod Tiwari, Sanjay Singh. Tetramethylpyrazine alleviates diabetic nephropathy through the activation of Akt signalling pathway in rats. **European Journal of Pharmacology** 2019; 865: 172763. (IF-3.170)

List of Publications from Collaborative Work

1. Swati Prakash, **Uddipak Rai**, Ramoji Kosuru, Vinod Tiwari, Sanjay Singh. Amelioration of diet-induced metabolic syndrome and fatty liver with Sitagliptin via regulation of adipose tissue inflammation and hepatic Adiponectin/AMPK levels in mice. **Biochimie** 2019, <https://doi.org/10.1016/j.biochi.2019.11.005>. (IF-3.362)
2. **Uddipak Rai**, Amrita Rawal, Sanjay Singh. Evaluation of the anti-inflammatory effect of an anti-platelet agent crinum on carrageenan-induced paw oedema and granuloma tissue formation in rats. **Inflammopharmacology** 2018; 26: 769-778. (IF-3.838)
3. Ramoji Kosuru, Vidya Kandula, **Uddipak Rai**, Swati Prakash, Zhenguan Xia, Sanjay Singh. Pterostilbene decreases cardiac oxidative stress and inflammation via activation of AMPK/Nrf2/HO-1 pathway in fructose-fed diabetic rats. **Cardiovascular Drugs and Therapy** 2018; 32: 147-163. (IF-4.181)

4. **Uddipak Rai**, Ashok Kumar Pattnaik, Sanjay Singh. Antiulcer activity of the most active sub-fraction of methanolic leaf extract of *Buchanania lanzan* spreng. **International Journal of Pharmacy and Pharmaceutical Sciences** 2016; 8(9): 93-101. (SNIP-2.029)
5. Ramoji Kosuru, **Uddipak Rai**, Swati Prakash, Abhishank Singh, Sanjay Singh. Promising therapeutic potential of pterostilbene and its mechanistic insight based on preclinical evidence. **European Journal of Pharmacology** 2016; 789: 229–243. (IF-3.170)

