

Publications

1. Bhavna J, Kalaivani MK, **Sumathy.A***,
Cytotoxic and Pro-apoptotic activities of leaf extract of *Croton bonplandianus* Baill against Lung Cancer Cell line A549", Indian Journal of Experimental Biology, 2016, 54, 379-385
2. Kalaivani MK, **Sumathy.A***, Soundararajan, Hannah Rachel Vasanthi
Invitro nephroprotective role of ethanolic root extract of *Boerhaaviadiffusa* against cisplatininduced nephrotoxicity, International Journal of Phytomedicine, 2016, 7, 388-395
3. S. Vijayalatha, PremaGurumurthy, **A.Sumathy** and T N. Gayatri
Structural characterization and antimicrobial activity of compounds isolated from acetone extract of piper longum fruits, The Ecoscan, 2016, 10(1&2), 25-28
4. J Bhavana, MK Kalaivani, **A Sumathy**
Cytotoxic and pro-apoptotic activities of leaf extract of *Croton bonplandianus* Baill. against lung cancer cell line A549. Indian Journal of Experimental Biology, 2016, 54, 379-385.
5. Uma Dharshini Karuppiah Vijayamuthuramalingam, Rajeswari Rajaram, Kalaivani Madhavaram Kuppusamy, Bhavana Jonnalagadda, **Sumathy Arockiasamy**
Anti-hyperglycemic and antioxidant potential of *Croton bonplandianus*. Bail fractions in correlation with polyphenol content. Iranian Journal of Basic Medical Sciences, 2017, 20(12), 1390-1397.
6. MK Kalaivani, **Sumathy Arockiasamy**, Cordelia John, Hannah Rachel Vasanthi, P Soundararajan
Therapeutic potential of *Boerhavia diffusa* L. against cyclosporine A-Induced mitochondrial dysfunction and apoptosis in madin–Darby canine kidney cells, Pharmacognosy Magazine , 2018, 14(55), 132-140.
7. Cordelia Mano John, **Sumathy Arockiasamy**
Syringic acid (4-hydroxy-3, 5-dimethoxybenzoic acid) inhibits adipogenesis and promotes lipolysis in 3T3-L1 adipocytes, Natural Product Research, 2019, 1-5
8. Bhavana Jonnalagadda, **Sumathy Arockiasamy**, Umashankar Vetrivel, Abhinand PA
In silico docking of phytochemicals to identify potent inhibitors of signaling pathways involved in prostate cancer, Journal of Biomolecular Structure and Dynamics, 2020, 1-27.
9. Bhavana Jonnalagadda, **Sumathy Arockiasamy**, Sriram Krishnamoorthy
Cellular growth factors as prospective therapeutic targets for combination therapy in androgen independent prostate cancer (AIPC), Life Sciences, 2020, 259, 118208.
10. Selvakumar Thanganadar Appapalam, Benedict Paul, **Sumathy Arockiasamy**, Rajasekar Panchamoorthy
Phytofabricated silver nanoparticles: Discovery of antibacterial targets against diabetic foot ulcer derived resistant bacterial isolates, Materials Science and Engineering, 2020, 117, 111256