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Publication:

1. VM Vidhya, BS Lakshmi, K Ponnuraj., In silico prediction of a new lead compound targeting enolase of trypanosomatids through structure-based virtual screening and molecular dynamic studies. Journal of Molecular Modeling Volume 26, Page no: 23, 2020.
2. B SarathKumar, B S Lakshmi., In silico investigations on the binding efficacy and allosteric mechanism of six different natural product compounds towards PTP1B inhibition through docking and molecular dynamics simulations. Journal of molecular modeling Volume 25, Page no: 272, 2019.
3. K Shilpa, B S Lakshmi., Influence of exogenous cinnamic acid on the production of chlorogenic acid in Cichorium intybus L cell culture. South African Journal of Botany Volume 125, Page no: 527-532. 2019.
4. Y Geetharani, B S Lakshmi., Structural insight into the antagonistic action of diarylheptanoid on human estrogen receptor Alpha., Journal of Biomolecular Structure and Dynamics Volume 37, Page no: 1189-1203. 2019 .
5. Padmanaban Muthukumaran, Gopal Thiyagarajan, Rajendran Arun Babu , Baddireddi Subhadra Lakshmi., Raffinose from Costus speciosus attenuates lipid synthesis through modulation of PPARs/SREBP1c and improves insulin sensitivity through PI3K/AKT., Chemico-Biological Interactions, Volume 284, Page no: 80-89, 2018.
6. Geetha Rani Yuvaraj and Baddireddi Subhadra Lakshmi., Structural insight into the antagonistic action of diarylheptanoid on human estrogen receptor Alpha., Journal of Biomolecular Structure and Dynamics, Volume37, Page no: 1189-1203, 2018
7. S Sudhagar, S Sathya, R Anuradha, G Gokulapriya, Y Geetharani, B S Lakshmi., Inhibition of epidermal growth factor receptor by ferulic acid and 4-vinylguaiacol in human breast cancer cells, Biotechnology letters, Page no: 1-6, 2017.
8. Kotteppa Pari, S Sudhagar, B S Lakshmi., Presence of biogenic and intrinsically derived organic solvents in Ginger rhizome oil: A specific reference to supercritical fluid extract of ginger, Journal of Medicinal Plants Studies, Volume 5, Page no: 182-184, 2017.
9. S Sudhagar, S Sathya, G Gokulapriya, B S Lakshmi., AKT-p53 axis protect cancer cells from autophagic cell death during nutrition deprivation, Biochemical and Biophysical Research Communications Volume 471, Page no: 396-401, 2016.
10. G Thiyagarajan, P Muthukumaran, B Sarath Kumar, VS Muthusamy, B S Lakshmi., Selective Inhibition of PTP1B by Vitalboside A from Syzygium cumini Enhances Insulin Sensitivity and

Attenuates Lipid Accumulation Via Partial Agonism to PPAR γ : In Vitro and In Silico Investigation, Chemical Biology and Drug Design, 2016.

11. N Poornima Devi, K N Sangeetha, B S Lakshmi., Role of STAT3 phosphorylation in ethanol mediated proliferation of breast cancer cells, Journal Breast Cancer, Volume 19, 2016.
12. S Sathya, S Sudhagar, B S Lakshmi., Estrogen suppresses breast cancer proliferation through GPER / p38 MAPK axis during hypoxia, Molecular and cellular endocrinology, Volume 417, Page no: 200-210, 2015.
13. K N Sangeetha, B S Lakshmi, S Niranjali Devaraj ., Dexamethasone promotes hypertrophy of H9C2 cardiomyocytes through calcineurin B pathway, independent of NFAT activation, Molecular and cellular biochemistry, Page no: 1-12, 2015.
14. S Anand, R B Raja, B S Lakshmi., Enhancement of glucose uptake by Ficus hispida methanolic extract through phosphatidylinositol 3 kinase and inhibiting aldose reductase - An in vitro analysis, European Journal of Integrative Medicine Volume 7, Page no: 164-171, 2015.
15. R Kamaraj Kennedy, P Ravindra Naik, V Veena, B S Lakshmi, Pragna Lakshmi, R Krishna, N Sakthivel., E5-Methyl phenazine-1-carboxylic acid: A novel bioactive metabolite by a rhizosphere soil bacterium that exhibits potent antimicrobial and anticancer activities, Chemico-biological interactions Volume 231, Page no: 71-82, 2015.
16. . G M Shanthini, Catherine Ann Martin, N Sakthivel, Sarath Chandra Veerla, K Elayaraja, B S Lakshmi, Physical and biological properties of the ion beam irradiated PMMA-based composite films, Applied Surface Science Volume 329, Page no: 116-126, 2015.