

Project

1) Targeting drug resistant cancer stem cells by combinational delivery of Paclitaxel and Quercetin/Zerumbone in breast cancer

Jammu and Kashmir Science and Technology Innovation Council (Srinagar, Jammu and Kashmir, IN) Grant number: JKST&IC/SRE/885-87

Papers

- 1) Identification and analysis of dysregulated fatty acid metabolism genes in breast cancer subtypes. DOI: [10.1007/s12032-022-01861-2](https://doi.org/10.1007/s12032-022-01861-2)
- 2) Expression Pattern and Prognostic Significance of Chemokines in Breast cancer: An Integrated Bioinformatics Analysis. DOI: [10.1016/j.clbc.2022.04.008](https://doi.org/10.1016/j.clbc.2022.04.008)
- 3) Adapalene and Doxorubicin Synergistically Promote Apoptosis of TNBC Cells by Hyperactivation of the ERK1/2 Pathway Through ROS Induction DOI: [10.3389/fonc.2022.938052](https://doi.org/10.3389/fonc.2022.938052)
- 4) Adapalene inhibits the growth of triple-negative breast cancer cells by S-phase arrest and potentiates the antitumor efficacy of GDC-0941 DOI: [10.3389/fphar.2022.958443](https://doi.org/10.3389/fphar.2022.958443)
- 5) Expression patterns and therapeutic implications of CDK4 across multiple carcinomas: a molecular docking and MD simulation study. DOI: [10.1007/s12032-022-01779-9](https://doi.org/10.1007/s12032-022-01779-9)
- 6) Cyclin-dependent kinases in breast cancer: expression pattern and therapeutic implications. DOI: [10.1007/s12032-022-01731-x](https://doi.org/10.1007/s12032-022-01731-x)
- 7) Targeting cyclin-dependent kinase 1 (CDK1) in cancer: molecular docking and dynamic simulations of potential CDK1 inhibitors. DOI: [10.1007/s12032-022-01748-2](https://doi.org/10.1007/s12032-022-01748-2) (CDK1)
- 8) Cryptolepine Targets TOP2A and Inhibits Tumor Cell Proliferation in Breast Cancer Cells - An In vitro and In silico Study. DOI: [10.2174/1871520622666220419135547](https://doi.org/10.2174/1871520622666220419135547)
- 9) Expression pattern and prognostic significance of CDKs in breast cancer: An integrated bioinformatic study. DOI: [10.3233/cbm-210186](https://doi.org/10.3233/cbm-210186)
- 10) Expression pattern and prognostic significance of baculoviral inhibitor of apoptosis repeat-containing 5 (BIRC5) in breast cancer: A comprehensive analysis. DOI: [10.1016/j.adcanc.2022.100037](https://doi.org/10.1016/j.adcanc.2022.100037) (BIRC5)
- 11) The tumor microenvironment as driver of stemness and therapeutic resistance in breast cancer: New challenges and therapeutic opportunities. DOI: [10.1007/s13402-021-00634-9](https://doi.org/10.1007/s13402-021-00634-9)
- 12) [An insight into the cancer stem cell survival pathways involved in chemoresistance in triple-negative breast cancer](https://doi.org/10.2217/fon-2021-0172). DOI: [10.2217/fon-2021-0172](https://doi.org/10.2217/fon-2021-0172)
- 13) Tumor microenvironment promotes breast cancer chemoresistance. DOI: [10.1007/s00280-020-04222-w](https://doi.org/10.1007/s00280-020-04222-w)
- 14) Rising trends of Cancers in Kashmir valley: Distribution Pattern, Incidence and Causes.
- 15) Targeting Different Pathways Using Novel Combination Therapy in Triple Negative Breast Cancer. DOI: [10.2174/1570163817666200518081955](https://doi.org/10.2174/1570163817666200518081955)
- 16) Double-crosser of the Immune System: Macrophages in Tumor Progression and Metastasis. DOI: [10.2174/1573395515666190611122818](https://doi.org/10.2174/1573395515666190611122818)