

Publications in Peer Reviewed Journals

1. Keerthana CK, Rayginia TP, Kalishwaralal Kalimuthu, Sandhini S, Haritha Nair, Amrutha Nisthul, M Swetha, Aiswarya US, Lekshmi R. Nath, Sanjay S V, Arun V, Jannet S, Shirley J, Aparna JS, Archana P, Vishnu SJ, Sankar Sundaram, NP Anto, TK. Maiti, C Sadasivan, Noah Isakov, Ravi SL, Harikumar KB and **Ruby John Anto***, (2026), Uttroside B, a US FDA-designated 'Orphan Drug', mitigates the development of hepatocellular carcinoma and its pulmonary metastasis via EGFR/ ERK-mediated inhibition of SREBP-1 and STAT-3. **Cell Death Discovery** DOI: <https://doi.org/10.1038/s41420-026-03055-5>. (Impact Factor 10.4)
2. Rayginia TP, Keerthana CK, Aiswarya US, Sadiq SC, Jannet S, Sanjay SV, Maria Joy , M Swetha, Shirley J, Aparna J S, Yadu Vijayan , Archana PR , Lekshmi R Nath, Kalishwaralal Kalimuthu, Vishnu Sunil J, Sankar Sundaram, NP Anto, Noah Isakov, Harikumar KB, Ravi SL and **Ruby John Anto***, (2026) Orphan drug Uttroside B Impedes NASH Progression and HCC Development in Experimental Models. **Journal of Hepatology Reports**. vol. 8; 1–15 DOI: <https://doi.org/10.1016/j.jhepr.2025.101626>. (Impact Factor 8.7)
3. Sadiq SC, Joy MP, Aiswarya SU, Ajmani A, Keerthana CK, Rayginia TP, Isakov N, **Ruby John Anto***. Unlocking nature's pharmacy: an in-depth exploration of phytochemicals as potential sources of anti-cancer and anti-inflammatory molecules. **Exploration of Drug Science**. 2024 Oct 30;2(6):744-84.
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7. Kalishwaralal K, Nazeer AA, Induja DK, Keerthana CK, Shifana SC, **Ruby John Anto**. Enhanced extracellular vesicles mediated uttroside B (Utt-B) delivery to Hepatocellular carcinoma cell: Pharmacokinetics based on PBPK modelling. **Biochemical and Biophysical Research Communications**. 2024 Feb 11:149648.
8. Rayginia TP, Keerthana CK, Shifana CS, Maria PJ, Abhishek A and **Ruby John Anto***. (2024) Phytochemicals as Potential Lead Molecules against Hepatocellular Carcinoma. **Current Medicinal Chemistry**.doi:10.2174/0109298673275501231213063902
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10. Varma SS, Aiswarya SU, Keerthana CK, Rayginia TP, Induja DK, **Ruby John Anto**, Lankalapalli RS. Putative role of uttronin (degalactotigonin) in cytotoxicity of uttroside B in HepG2 cells. **Tetrahedron Letters**. 2023 Sep 1;127:154668.
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