

## **Publications in Peer Reviewed Journals**

1. Mohan Shankar G., Aiswarya,US, Keerthana, CK, Rayginia, TP. and **Ruby John Anto\*** (2023), Targeting Receptor Tyrosine Kinase Signalling: Avenues in the Management of Cutaneous Squamous Cell Carcinoma, **ISCIENCE**, DOI: <https://doi.org/10.1016/j.isci.2023.106816>. (Impact Factor: 6.107)
2. Faisal MA, Aiswarya US, Remya Johny, Meghna Sudhesh, Amrutha A. Nisthul, Ravi S. Lankalapalli, **Ruby John Anto\*** and Smitha V. Bava\* (2023), A potent bioactive fraction against colon cancer from *Plectranthus vettiveroides*, **Exploration of Targeted Anti-tumor Therapy**, 4:227-239 DOI:<https://doi.org/10.37349/etat.2023.00131>.
3. Keerthana CK, Rayginia TP, Shifana SC, Anto NP, Kalimuthu K, Isakov N and **Ruby John Anto\*** (2023) The role of AMPK in cancer metabolism and its impact on the immunomodulation of the tumor microenvironment. **Frontiers in Immunology**. 14:1114582. DOI: 10.3389/fimmu.2023.1114582 (Impact Factor: 8.786)
4. Shabna A, Jayesh Antony, Vinod V, Minakshi Saikia, Liju VB, Archana PR, Amrutha Nisthul, Vijai V Alex, Swetha M, Aiswarya US, Jannet S, Uma Subramanian Unni, Sankar Sundaram, Daisy R Sherin, Nikhil P Anto, Smitha VB, Sadasivan C, Sophia Ran, and **Ruby John Anto\*** (2022), Pharmacological attenuation of melanoma by tryptanthrin pertains to the suppression of MITF-M through MEK/ERK signaling axis, **Cellular and Molecular Life Science**, , DOI: <https://doi.org/10.1007/s00018-022-04476-y>; 79:478 (Impact Factor:9.261).
5. Aiswarya US, Gowda Vikas, Haritha H Nair, Liju, VB, Shabna A, Swetha M, Rayginia TP, Keerthana CK, Lekshmi R Nath, Reshma MV, Sankar Sundaram, Nikhil P Anto , Ravi Shankar Lankalapalli\*, **Ruby John Anto\*** and Smitha V Bava\* Cucurbitacin B, purified and characterized from the rhizome of *Corallocarpus epigaeus* exhibits anti-melanoma potential, **Frontiers in Oncology**, 2022, DOI: 10.3389/fonc.2022.903832 ,(Impact Factor: 6. 244)
6. Swetha M, Keerthana CK., Rayginia TP, Lekshmi R Nath, Haritha H Nair, Shabna A, Kalishwaralal Kalimuthu, Arun Kumar T, Aiswarya US, Jannet S, Sreekumar Pillai, K B Harikumar, Sankar Sundaram, Nikhil P Anto, Dee H Wu, Ravi Shankar Lankalapalli, Rheel Towner, Noah Isakov, Sathyaseelan S. Deepa and **Ruby John Anto\***, Augmented efficacy of utrosode B over sorafenib in a murine model of human hepatocellular carcinoma, **Pharmaceuticals**, 2022, 15, 636. DOI: <https://doi.org/10.3390/ph15050636> (Impact Factor: 5.68)
7. Lekshmi R Nath, Swetha M, Vinod V, Arun Kumar T, Haritha H Nair, Shabna A, Aiswarya,US, Rayginia,TP, Keerthana CK, Kalishwaralal Kalimuthu, Sankar Sundaram, Ravi Shankar Lankalapalli, Sreekumar Pillai, Rheel Towner, Noah Isakov and **Ruby John Anto\***(2022), Blockade of utrosode B-induced autophagic pro- survival signals augments its chemotherapeutic efficacy against hepatocellular carcinoma, **Frontiers in Oncology**, 12:812598. DOI: 10.3389/fonc.2022.812598. (Impact Factor: 6. 244)
8. Mohan Shankar G, Swetha M, Keerthana CK, Rayginia TP and **Ruby John Anto\*** (2022), Cancer Chemoprevention: A strategic approach using phytochemicals. **Frontiers in Pharmacology**, 2022, 12:812598.DOI: 10.3389/fonc.2022.812598. (Impact Factor: 5. 81)
9. Kalimuthu K, Keerthana CK, Mohan M, Arivalagan J, Christyraj JR, Firer MA, Choudry MH, **Ruby John Anto\*** and Lee YJ\*(2021),The emerging role of selenium metabolic pathways in cancer: New therapeutic targets for cancer. **Journal of Cellular Biochemistry**. DOI:

<https://doi.org/10.1002/jcb.30196>. (Impact Factor : 4.237)

10. Haritha H Nair, Akbar Nawab, Vinod V, Nikhil P Anto, VB Liju, Vijai V Alex, Amrutha Nisthul A, Aiswarya US, Swetha M, BS Vinod, Sankar Sundaram, Maria V Guijarro, Thomas Herlevich, Nesteena K N, Smitha V B, Sadasivan C, Maria Zajac-Kaye and **Ruby John Anto\*** (2021), Targeting thymidylate synthase enhances the chemosensitivity of triple-negative breast cancer towards 5-FU- based combinatorial therapy, **Frontiers in Oncology**, DOI:10.3389/fonc.2021.656804 (Impact Factor: 6. 244)
11. Amrutha Nisthul A, Archana PR, **Ruby John Anto** and C Sadasivan\* (2021) Virtual screening-based identification of novel fatty acid synthase inhibitor and 1 evaluation of its antiproliferative activity in breast cancer cells, **Journal of Molecular Graphics and modeling**, DOI: 10.1016/j.jmgm.2021.107903 (Impact Factor: 2.942).
12. Mohan Shankar G , Vijai V Alex , Amrutha Nisthul A , Smitha V Bava , Sankar Sundaram , Archana P Retnakumari , Sadasivan Chittalakkottu and **Ruby John Anto\*** (2020) , Pre clinical evidences for the efficacy of Tryptanthrin as a potent suppressor of skin cancer, DOI: 10.1111/cpr.12710. **Cell Proliferation**, 53(1): e12710. (Impact Factor:8.755).
13. Atreyi Biswas, Irene M Roy, Prathibha C Babu, Javed K Manesia, Sarah Schoutedden, Vinod Vijayakurup, **Ruby John Anto**, Joerg Huelsken, Adam Lacy-Hulbert, Catherine M Verfaillie and \*Satish Khurana (2020), Periostin/Integrin-pool in the fetal Liver, **Stem Cell Reports**, , DOI: [10.1016/j.stemcr.2020.06.022](https://doi.org/10.1016/j.stemcr.2020.06.022) (Impact Factor: 7.765).
14. Bhagyalakshmi Nair, **Ruby John Anto**, M Sabitha and Lekshmi R Nath\* (2020), Kaempferol-mediated sensitization enhances chemotherapeutic efficacy of sorafenib against hepatocellular carcinoma: An *in silico* and *in vitro* Approach, **Advanced Pharmaceutical Bulletin**, , 10 (3), 472-476. (Impact Factor: 2.31)
15. Amrutha Nisthul A, Archana P R, Mohan Shankar G, **Ruby John Anto\*** & C. Sadasivan\* (2019), Pyridine derivatives as anticancer lead compounds with Fatty Acid Synthase as the target: An *in silico*- guided *in vitro* study. **Journal of Cellular Biochemistry** (DOI: 10.1002/jcb.28923). (Impact Factor: 4.237).
16. Vinod V, Arunkumar TT, Mohan Shankar G, Archana P.R. Devika Nandan, Jannet S, Jayesh Antony, Vijai VA, BS.Vinod1,VB Liju, Sankar S, GS Vinod Kumar, and **Ruby John Anto\*** (2019), Chitosan Encapsulation Enhances the Bioavailability and Tissue Retention of Curcumin and Improves its in Preventing B[a]P-induced Lung Carcinogenesis. **Cancer Prevention Research**, Published Online February 13, 2019; DOI: 10.1158/1940-6207.CAPR-18-0437. (Impact Factor: 4.02).
17. Amrutha Nisthul A., Archana P. Retnakumari, Shabna A., **Ruby John Anto** & C. Sadasivan. In silico screening for identification of fatty acid synthase inhibitors and evaluation of their antiproliferative activity using human cancer cell lines. **Journal of Receptors and Signal Transduction**, 2018, Sep 26:1-7. doi: 10.1080/10799893.2018.1511730. (Impact Factor: 2.2).
18. Minakshi Saikia, Archana P.R, Shabna A, NP Anto, Rashmi Mittal, Shabna S, Kavya S Pillai, B S.Vinod, Vidya Peter, Reeba Thomas and \***Ruby John Anto**, Heteronemin, a marine natural product, sensitizes acute myeloid leukemia cells towards cytarabine chemotherapy by regulating farnesylation of Ras, **Oncotarget**, 2018, 9, 18115-18127 (Impact Factor: 5.168).
19. Arun Kumar TT, Archana.P.R, Mohan Shankar, Vinod V, Shabna A, Sanu Thankachan, Kavya S

- Pillai, Jisha J Pillai, Vijai V Alex, Teena Jacob Chirayil, GS Vinod Kumar & **\*Ruby John Anto** (2017), Folic acid Conjugation improves the Bioavailability and Chemosensitizing efficacy of Curcumin- encapsulated PLGA-PEG Nanoparticles towards Paclitaxel Chemotherapy, **Oncotarget** Impact Factor: 5.168
20. Lekshmi R. Nath, Jaggaiah N. G, Arun Kumar TT, Vinod V, Shabna S, Shabna A, Sophia M. Joseph, Jayesh Antony, K S Veena, Sankar Sundaram, Udaya K. Marelli, **\*Ravi S. Lankalapalli & Ruby John Anto\***(2016), Evaluation of uttroside B, a saponin from Solanum nigrum Linn, as a promising chemotherapeutic agent against hepatocellular carcinoma. **Scientific Reports** 6:36318 doi: 10.1038/srep36318, Impact Factor: 5.228.
21. Lekshmi R. Nath, S. N. Kumar, Arya A. Das, Bala Nambisan, A. Shabna, **\*C Mohandas and \*Ruby John Anto\*** 2016, *In vitro* evaluation of the antioxidant, 3,5-Dihydroxy-4-ethyl-trans-stilbene (DETS) isolated from Bacillus cereus as a potent candidate against malignant melanoma. **Frontiers in Microbiology**, 7:452, doi: 10.3389/fmicb.2016.00452,. Impact factor: 5.64.
22. Smitha V Bava, Arun Kumar TT, Sreekanth CN and **Ruby John Anto\*** (2016), Cervical cancer: A comprehensive approach towards extermination. **Annals of Medicine**, 48(3):149-61. doi: 10.3109/07853890.2016.1145796.. Impact factor: 4.709
23. Shamina Azeez\*, Jayesh Antony, N.K. Leela and **Ruby John Anto** (2016), Antioxidant and cytotoxic effects of essential oil, water and ethanol extracts of major Indian spices **Indian J. Hort.** 73(2),: 229-237.
24. Vineshkumar TP, Arun Kumar TT, Vijayakurup V, Antony J, Bava SV, Anwar S, Sundaram S, and **Ruby John Anto\*** (2015). Curcumin inhibits B[a]PDE-induced procarcinogenic signals in lung cancer cells, and curbs B[a]P-induced mutagenesis and lung carcinogenesis. **BioFactors**, 41, 431-442,. (Impact factor: 4.734).
25. Lekshmi R. Nath, Jaggaiah N. Gorantla, Sophia M Joseph, Jayesh A, Sanu T, Darsan B. M, S. Sankar, Ravi S. L and **Ruby John Anto\*** (2015), Kaempferide, the most active among the four flavonoids isolated and characterized from Chromolaena odorata, induces apoptosis in cervical cancer cells while being pharmacologically safe. **RSC Adv.**, 5, 100912. Impact factor:3.84.
26. Jayesh Antony, Minakshi S, Vino T. C, Nishanth Kumar S and **Ruby John Anto\*** (2015). Sesbania: A prospective candidate to be excavated for anticancer drugs. **The Natural Products Journal**, 5(4): 273-287, DOI: 10.2174/1872211310999151110155644,..
27. Jayesh Antony, Minakshi S, Vinod.V, Lekshmi. R. Nath, Mohana Rao K, M.S.R. Murty, Anju Paul, Shabna A, Harsha Ch, Sophia M J, Nishanth KS, Elizabeth J P, Sriramya IV, Sridivya IV, Sophia Ran, Sankar S, Easwary R and **Ruby John Anto\*** (2015). DW-F5: A novel formulation against malignant melanoma from *Wrightia tinctoria*, **Scientific Reports**, 5:11107, DOI: 10.1038/srep11107, Impact Factor: 5.228.
28. Jisha J. Pillai, Arun Kumar TT, **Ruby John Anto**, Devika Nandan, N. Ashwanikumar and GS Vinod Kumar\*. Curcumin entrapped folic acid conjugated PLGA PEG nanoparticles exhibit enhanced anticancer activity by site specific delivery, **RSC Adv.**,5, 25518-25524. 2015. Impact Factor: 3.708.
29. Vinod BS, Haritha H Nair, Vijayakurup V, Shabna A, Shah S, Krishna A, Pillai KS, Thankachan S, and **Ruby John Anto\*** (2015). Resveratrol chemosensitizes HER-2-overexpressing breast cancer cells to docetaxel chemoresistance by inhibiting docetaxel-mediated activation of HER-2-Akt axis. **Cell Death Discovery**. 2015; 1:15061. doi: 10.1038/cddiscovery..61. (Impact Factor: 5.241).
30. Haritha HNair and **Ruby John Anto\*** (2015) Triple negative breast cancer: The therapeutic

windows yet to be opened? *Science Letters*, 4 (175). ISSN 2454 7239.

31. Radhakrishnan E K, Smitha V B, Sai Shyam N, Lekshmi R Nath, Arun Kumar T T, Soniya E V and **Ruby John Anto\***. [6]-Gingerol induces caspase-dependent apoptosis and prevents PMA-induced proliferation in colon cancer cells by inhibiting MAPK/AP-1 signaling, *PLOS ONE*, 9(8): e104401. doi:10.1371, 2014. Impact Factor: 3.73.
32. Jisha J Pillai, Arun Kumar T T, **Ruby John Anto**, Devika Nandan Chithralekha, Ashwanikumar Narayanan, and G S Vinod Kumar (2014). Folic acid conjugated cross-linked acrylic polymer (FA-CLAP) hydrogel for site specific delivery of hydrophobic drugs to cancer cells, *J Nanobiotechnology*. 12: 25. Impact Factor:4.08.
33. S Nishanth Kumar, Sreerag Ravikumar Sreekala, Dileep Chandrasekaran, Bala Nambisan and **Ruby John Anto** (2014). Biocontrol of *Aspergillus* Species on peanut kernels by antifungal diketopiperazine producing *Bacillus cereus* associated with entomopathogenic nematode. *PLOS ONE*, 9(8): e106041. doi:10.1371, , Impact Factor 3.73.
34. M. Sreelekha, NP Anto, **Ruby John Anto** and PM Shafi. Cytotoxicity of acetyl dihydro chelerythrin, arnottianamide and 6-(2-hydroxy propyl)-dihydro chelerythrine towards human cancer cell lines , *Ind. J. Chem. Sec.B*, 647-651, 2014 Impact Factor 0.648.
35. Jaggaiah N. Gorantla, Jamsheena Vellekkatt, Lekshmi R.Nath, **Ruby John Anto** and Ravi S. Lankalapalli\*(2014). Cytotoxicity studies of semi-synthetic derivatives of the side derived from the aqueous extract of leaves *Cerbera odollam*, *Natural Product Research*, DOI: 10.1080/14786419.2014.913242,. Impact Factor: 1.031.
36. Kumar SN, Nambisan Bala, Sundaresan A, Mohandas C and **Ruby John Anto**, Isolation and identification of antimicrobial secondary metabolites from *Bacillus cereus* associated with a rhabditid entomopathogenic nematode. *Ann Microbiol.*, 64, 209 218, 2014. Impact Factor: **1.56**.
37. M. S. R. Murty, Raju Penthala, Lekshmi R. Nath and **Ruby John Anto** (2014), Synthesis of Salicylic Acid-Based 1, 3, 4-Oxadiazole Derivatives Coupled with Chiral Oxazolidinones: Novel Hybrid Heterocycles as Antitumor Agents *Letters in Drug Design & Discovery*, 11, 1-10, 10.2174/1570180811666140627004607, Impact Factor: 0.961.
38. Kumar SN, Nambisan B, Kumar BS, Vasudevan NG, Mohandas C, Cheriyan VT and **Ruby John Anto** (2013), Antioxidant and anticancer activity of 3,5-dihydroxy-4-isopropylstilbene produced by *Bacillus* sp. N strain isolated from entomopathogenic nematode. *Arch Pharm Res*. DOI: 10.1007/s12272-013-0207-2. Impact factor: 1.538.
39. P.Jyothi, T.Shalina Begum, UCA.Jaleel, N.P.Anto, **Ruby John Anto** and PM.Shafi\*, Synthesis and biological evaluation of some novel imidazolinones, *Int J Pharm Biomed Sci*, 2013, 4(2), 78-82.
40. BS Vinod, J Antony, HH Nair, VT Puliyappadamba, M Saikia, S Shyam Narayanan, A Bevin and **Ruby John Anto\*** (2013). Mechanistic evaluation of the signaling events regulating curcumin-mediated chemosensitization of breast cancer cells to 5-fluorouracil. *Cell Death and Disease* 4, e 505; doi:10.1038/cddis.2013.26,. Impact Factor 6.04.
41. BS Vinod, Tessy T Maliekal and **Ruby John Anto\*** (2013), Phytochemical As Chemosensitizers: From Molecular Mechanism to Clinical Significance. Comprehensive Invited Review. *Antioxidants & Redox Signaling*. 18, 1307 1348, Impact Factor: 8.456.
42. M. S. R. Murty, B. Ramalingeswara Rao, Mohana Rao Katiki, Lekshmi R. Nath & **Ruby John**

- Anto**, (2013) Synthesis of piperazinyl benzothiazole/benzoxazole derivatives coupled with 1,3,4 oxadiazole-2-thiol: novel hybrid heterocycles as anticancer agents. *Med Chem Res.*, 22, 4980-4991,. Impact Factor: 1.6.
43. Deepa G, Arun Kumar T Thulasidasan, **Ruby John Anto**, J Jisha Pillai, GS Vinod Kumar.(2012) Cross- linked acrylic hydrogel for the controlled delivery of hydrophobic drugs in cancer therapy. *Int J. Nanomedicine*,7, 4077 - 4088,. Impact Factor: 3.130.
44. Lekha Nair K, Arun Kumar TT, Deepa G, **Ruby John Anto**, GS Vinod Kumar. Purely aqueous PLGA nanoparticulate formulations of curcumin exhibit enhanced anticancer activity with dependence on the combination of the carrier. *Int J Pharm.*4:425 (1-2), 44-52, 2012. Impact Factor: 3.607.
45. M. S. R. Murty\*, B. Ramalingeswara Rao, Kesur R. Ram, J. S. Yadav, Jayesh Antony and **Ruby John Anto** (2011). Synthesis and preliminary evaluation activity studies of novel 4-(aryl/heteroaryl-2-ylmethyl)-6-phenyl-2-[3-(4-substituted-piperazine-1-yl)propyl]pyridazin-3(2H)-one derivatives as anticancer agents. *Med Chem Res.* 21, 3161-3169. Impact Factor: 1.271.
46. P. L. Anto, **Ruby John Anto**, Hema Tresa Varghese, C. Yohannan Panicker, Daizy Philip\*, Gustavo F.S. Andrade, Alexandre G. Brolo. Spectroscopic investigations and computational study of sulfur trioxide pyridine complex. *J. Raman Spectrosc.* 42, 1812 1819, 2011. Impact Factor: 3.137.
47. CN Sreekanth, Smitha V Bava, E Sreekumar and **Ruby John Anto\*** (2011). Molecular evidences for the chemosensitizing efficacy of liposomal curcumin in paclitaxel chemotherapy in mouse models of cervical cancer. *Oncogene.* 30, 3139-3152,. Impact Factor: 7.414.
48. M.S.R. Murty, Kesur R. Ram, Rayudu Venkateswara Rao, J.S. Yadav, Janapala Venkateswara Rao, Vino. T. Cheriyan and **Ruby John Anto** (2011).. Synthesis and preliminary evaluation of 2-substituted- 1,3- benzoxazole and 3-[(3-substituted)propyl]-1,3-benzoxazol- 2(3H)-one derivatives as potent anticancer agents. *Med Chem Res.* 20:576 586,. Impact Factor: 1.271.
49. Smitha V Bava, Chanickal N Sreekanth, Arun Kumar T Thulasidasan, Nikhil P Anto, Vino T Cheriyan, Vineshkumar T Puliappadamba, Sajna G Menon, Santhosh D Ravichandran, and **Ruby John Anto\*** (2011).. Akt is upstream and MAPKs are downstream of NF- induced survival signaling events, which are down-regulated by curcumin contributing to their synergism. *Int J Biochem Cell Biol.* 43, 331-341. Impact Factor: 4.99.
50. Vineshkumar TP, Vino T Cheriyan, Arun Kumar T Thulasidasan, Smitha V Bava, Balachandran S Vinod, Priya R Prabhu, Ranji Varghese, Arathy Bevin, Shalini Venugopal and **\*Ruby John Anto**(2010).. Nicotine-induced survival signaling in lung cancer cells is dependent on their p53 status while its down-regulation by curcumin is independent. *Molecular Cancer*, 9, 220,. (Highly Accessed). Impact Factor: 5.134.
51. KP Laladhas, Vino T Cheriyan, Vineshkumar TP, Smitha V Bava, Rajesh G Unnithan, Parvathy L Vijayammal and **Ruby John Anto\*** (2010)... A novel protein fraction from *Sesbania grandiflora* induces apoptosis in cancer cells and shows potential anticancer and chemopreventive efficacy *in vivo*. *J Cellular and Mol. Med.* 14, 636-646, 2010. Impact Factor: 6.8.
52. Sanalkumar R, Indulekha C L , Divya T S, Divya M S , **Ruby John Anto**, Vinod B, Vidyanand S, Jagatha B, Shalini V and Jackson James\*. ATF2 maintains a subset of neural progenitors through CBF1/Notch independent Hes-1 expression and synergistically activates the expression of Hes-1 in Notch dependent neural progenitors. *J. Neurochem.* 113, 807-818, 2010. Impact Factor: 4.480.

53. M. D. Ajitha Bai , D. P. N. Nair , T. L. Gayathri , K. P. Padmakumaryamma, **Ruby John Anto**, G. Jayakumar , Ajaikumar and R. Rajasree. Chemical composition and bioactivities of volatile components from the seed and bark oils of *Litsea coriaceae* Hook. f., Lauraceae. *International Journal of Essential Oil Therapeutics* 4, 1-4, 2010.
54. P. L. Anto **Ruby John Anto**, HT Varghese, C Y Panicker and Daizy Philip. Vibrational spectroscopic studies and *ab initio* calculations of phenyl phosphate disodium salt. *J. Raman Spectrosc.* 41, 113-119, 2010. Impact Factor: 3.147.
55. Rajendran G\*, Amritha C S, **Ruby John Anto** and Vino T Cheriyan. Synthesis, thermal and antitumor studies of thorium (IV) complexes with furan-2- aldehyde-*N*-phenyl thiosemicarbazone. *J. Serb. Chem. Soc.* 75, 1-13, 2010. Impact Factor: 0.725
53. P. L. Anto, **Ruby John Anto**, H. T. Varghese, C. Y. Panicker, D. Philip\*, and A. G. Brolo. (2009) FT-IR, FT-Raman and SERS spectra of Anilinium Sulfate: *J. Raman Spectrosc.*, 40,1810-15. Impact Factor: 3.147
54. Manickam Venkatraman, **Ruby John Anto**, Asha Nair, Merina Varghese and Devarajan Karunakaran\* (2005) Biological and chemical inhibitors of NF- $\kappa$ B induced apoptosis: *Mol. Carcinogenesis*, 44:51-59.
55. Smitha V. Bava, Vineshkumar T. Puliappadamba, Ayswaria Deepti, Asha Nair, Devarajan Karunakaran, and **Ruby John Anto**\* (2005) Sensitization of taxol-induced apoptosis by curcumin involves down regulation of NF- $\kappa$ B and Akt and is independent of tubulin polymerization: *J. Biol. Chem.*, 280: 6301 - 6308. Impact Factor: 5.854
56. Tessy Thomas Maliekal, **Ruby John Anto** and D. Karunakaran\* (2004) Differential activation of Smads in HeLa and SiHa cells that differ in their response to transforming growth factor- $\beta$ : *J. Bio. Chem.*, 279: 36287 - 36292. Impact Factor: 6. 355
57. Suby Oommen, **Ruby John Anto**, Srinivas G and Karunakaran D\*. (2004) Allicin (from garlic) induces caspase- mediated apoptosis in cancer cells: *European. J. Pharmacol.*, 485,97-103. ImpactFactor: 2.432
58. Srinivas G, **Ruby John Anto**, Priya Srinivas, S Vidhyalaksmi, V Priya Senan and D Karunakaran D\*. (2003) Emodin induces apoptosis of human cervical cancer cells through poly (ADP-ribose) polymerase cleavage and activation of caspases-9: *European.J.Pharmacol.*, 473, 117-25. Impact Factor: 2.352
59. **Ruby John Anto**, Manickam Venkatraman and Devarajan Karunakaran\* (2003) Inhibition of NF- $\kappa$ B sensitizes A431 Cells to Epidermal Growth Factor- induced Apoptosis whereas its activation by ectopic expression of RelA confers resistance: *J. Biol.Chem.*, 278, 25490-98. Impact Factor: 6. 482
60. **Ruby John Anto**, Asok Mukhopadyay, Sisir Sishodia, Gary C. Gyrola and Bharat Aggarwal\*. (2002) Cigarette Smoke Condensate Activates Nuclear Transcription Factor- B Through Phosphorylation and Degradation of : Its Role in Induction of Cyclooxygenase-2: *Carcinogenesis*, 23, 1511-18. Impact Factor: 5. 404
61. **Ruby John Anto**, Asok Mukhopadyay, Kate Denning and Bharat B. Aggarwal\* (2002) Curcumin (Diferuloylmethane) induces apoptosis through activation of caspase-8, BID cleavage and cytochrome C Release: Its Suppression by ectopic expression of Bcl-2 and Bcl-xL: *Carcinogenesis*, 23, 143-150. Impact

Factor: 5. 404

62. **Ruby John Anto**, Tessy T Maliekal and Devarajan Karunakaran\* (2000) L-929 Cells Harboring Ectopically Expressed Rel A Resist Curcumin- induced Apoptosis: *J. Biol Chem.*, 275, 15601-604  
Impact Factor: 7.368
63. **Ruby John Anto**, Girija Kuttan, Dinesh Babu KV, Rajasekharan KN and Kuttan R\*. (1998) Anti-inflammatory activity of natural and synthetic curcuminoids: *Pharm. Pharmacol. Commun.* , 4, 103-106.
64. **Ruby John Anto**, Josely George, Dinesh Babu KV, Rajasekharan KN and Kuttan R\*. (1996) Antimutagenic and anticarcinogenic activities of natural and synthetic curcuminoids: *Mutation Res.*, 370, 127- 131
65. **Ruby John Anto**, Girija Kuttan, Dinesh Babu KV, Rajasekharan KN and Kuttan R\*. (1996) Synthetic curcuminoids as anticancer agents and as free radical scavengers: *Int. J. Pharm.*, 131, 1- 8.
66. **Ruby John Anto**, Girija Kuttan, M.N. A. Rao, V. Subbaraju and Ramadasan Kuttan\* (1995) Anticancer and antioxidant activity of synthetic chalcones and related compounds: *Cancer Letters*, 97, 33-37
67. **Ruby John Anto**, Girija Kuttan, Dinesh Babu KV, Rajasekharan KN and Kuttan R\*. (1995) Antitumor and antioxidant activity of curcuminoids: *Cancer Letters*, 94, 79-83.
68. **Ruby John Anto**, Girija Kuttan, Ramadasan Kuttan\*, Kota Satyanarayana and M.N. A. Rao, (1994) Tumor reducing and antioxidant activities of sydnone substituted chalcones: *J. Clin. Biochem.and Nutr.*, 17, 73- 80

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### **Non-Peer Reviewed Journals**

1. Archana P R, Shabna S and **\*Ruby John Anto**. Hepatocellular carcinoma: An overview, **Amala Research Bulletin** (2017) 37, 13-20.
2. Lekshmi.R.Nath, Ravi Shankar L and **\*Ruby John Anto**. In vitro and in vivo evaluation of the anticancer potential of SN2, a spirostan-3-ol derivative identified and characterized from *Solanum nigrum* against hepatocellular carcinoma, Proceedings of 28th Kerala Science Congress, : 330-341, 2016
3. Mohan Shankar G and **\*Ruby John Anto**. Role of Hedgehog signaling in basal cell carcinoma, **Amala Research Bulletin** (2014) 34, 115-121
4. Minakshi Saikia and **\*Ruby John Anto**. Acute myeloid leukemia: Causes, diagnosis, classification and treatment modalities. **Amala Research Bulletin** (2013) 33, 147-154.
5. Haritha H Nair and **\*Ruby John Anto**. Triple negative breast cancer: The unusual one among the many. **Amala Research Bulletin** (2012) 32, 100-108.
6. Arun Kumar TT and **\*Ruby John Anto**, Nanotechnology and its applications in the field of medicine. **Amala Research Bulletin** (2011) 31, 144-154.
7. Lekshmi. R Nath and **Ruby John Anto**, General approaches towards extraction of medicinal plants. **Amala Research Bulletin** (2010)30, 150-158.
8. Deepa I, Vino T Cheriyan and **\*Ruby John Anto**. An overview of protein kinase B/Akt signaling in cancer. **Amala Research Bulletin** (2009) 29, 19-26.
9. Jayesh Antony and **\*Ruby John Anto** (2008). A molecular approach to skin cancer. **Amala Research Bulletin**, 28, 141-152.
10. Priya R Prabhu and **\*Ruby John Anto** (2007) Molecular pathogenesis of colorectal cancer **Amala Research Bulletin**, 27, 212-230.

11. Vinod BS and \* **Ruby John Anto** (2006) Human Epidermal Growth factor receptor signaling as a therapeutic target in breast cancer *Amala Research Bulletin*, 26, 18-27.
12. CN Sreekanth and \***Ruby John Anto** (2005) Cervical cancer -The risk factors and Treatment modalities *Amala Research Bulletin*, 25, 81-92.
13. Smitha Bava, Vineshkumar TP and \***Ruby John Anto** (2005). Molecular mechanism behind the synergistic effect of Taxol and curcumin. *Proceedings of 17th Kerala Science Congress* 75-77.
14. Vineshkumar.TP, Smitha Bava and \***Ruby John Anto** (2005) Curcumin down-regulates Nicotine resistance in lung cancer cells *Indian Journal of Medical Researc. (supplement)*, 100
15. Vineshkumar.TP and \***Ruby John Anto** (2004) Cigarette Smoking and Lung Cancer: Environmental and Molecular Implications. *Amala Research Bulletin*, 24, 31-41
16. Smitha VB and \***Ruby John Anto** (2003) Antiapoptotic proteins as targets of chemotherapy. *Amala Research Bulletin*, 23, 1-6.
17. \***Ruby John Anto**, Karunagaran D and Smitha VB (2003) Curcumin potentiates taxol induced apoptosis of cervical cancer cells: *Proceedings of Kerala Science Congress*, 15, 263- 268.

### Chapters in Text Books

1. **Ruby John Anto** Smitha V.B., Vinesh Kumar T.P., Sreekanth C.N., Vinod B.S., Vino T. C, Priya Prabhu and Gayathri L.T. Phenolics of the functional food Curcumin- A nutraceuticals with potential chemosensitive - Pharma Med Press. 2008. p-202-208.
2. CN Sreekanth, Smitha VB, Arun Kumar TT, N P Anto, VT Cheriyan, Vineshkumar TP, SG Menon, SD Ravichandran and \***Ruby John Anto** - Curcumin: A Potent Candidate to be Evaluated as a Chemosensitizer in Paclitaxel Chemotherapy Against Cervical Cancer. In: Perspectives in Cancer Prevention-Translational Cancer Research. P Sudhakaran P, Oommen V, Pillai, MR (Eds.). Pubd: Springer; 2014 edition (October 25, 2013) pp 21-43.
3. Mohan Shankar G., #Jayesh Antony and \***Ruby John Anto**- Quercetin and Tryptanthrin: Two Broad Spectrum Anticancer Agents for Future Chemotherapeutic Interventions, In: ENZ 37, Mechanism of the anticancer effect of phytochemicals. Fuyu Tamanoi (Ed) Chapter Number:1, Pubd. Elsevier Inc., June 2015 ISSN 1874-6047 . <http://dx.doi.org/10.1016/bs.enz.2015.05.001>, (#equal authorship).
4. #Jayesh Antony, #Minakshi Saikia and \***Ruby John Anto**. Phytochemicals from Fruits and Vegetables as potential anti-cancer agents: special reference to skin cancer. In: Anticancer properties of fruits and vegetables: A scientific review. Ajay Kunnumakkara (Ed). Pubd: World Scientific Publishing Co.; 2014edition, pp 277-307 (#equal authorship)
5. Haritha H. Nair, Vijai V. Alex and \***Ruby John Anto**. Significance of nutraceuticals in cancer therapy. In: Evolutionary Diversity as a Source for Anticancer Molecules, Academic Press, 2021, Pages 309- 321,ISBN 9780128217108.
6. Archana P Retnakumari and \***Ruby John Anto**. Application of nano-drug delivery systems in improving the therapeutic efficacy of bioactive natural products, In: Advanced Pharmaceutical Herbal Nanoscience, 2022, Part I, Bentham Science Publishers Pte. Ltd., Pp: 104-132 (29),Doi: 10.2174/9789815036510122010008.
7. Haritha H Nair and \***Ruby John Anto**. Etiological insights into TNBC and their related catastrophic risks. In: Therapeutic drug targets and phytomedicine, 2023, Bentham Science Publishers Pte. Ltd., Pp: 1-25.



8. B S Vinod and **\*Ruby John Anto**, Herbal medicine: prejudice to realm of reality against TNBC. In: Therapeutic drug targets and phytomedicine, 2023, Bentham Science Publishers Pte. Ltd., Pp: 123-138.

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