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## THERAPEUTIC APPLICATIONS OF MEDICINAL PLANTS FOUND IN ODISHA, USED FOR THE TREATMENT OF CANCER

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## ABSTRACTS

Medicinal herbs and their derivative phytoconstituents re being increasingly recognized as useful complementary treatments for cancer.Data was obtained from survey and it was found that some Catharanthusroseus. medicinal herbs like Withaniasomnifera, Bacopamonnieri, Ocimum sanctum. Curcuma longa, Zingiberofficinale, Alliumsativum, Brassicaoleracea var. botrytis, Brassicaoleraceae var. capitata. Daucuscarota are found in Odishawhich were usedfor the treatment of cancer. C. roseus is an evergreen herbaceous plant contain alkaloids such as vinblastine, vincristine, vinorelbine, vinflunine inhibit spread of breast, ovary and lung cancer and also induce apoptosis. W. somnifera contain active

withaferin, withanolide, withanoside components like and withanone. Particularly withaferinfound in this plant, inhibit breast cancer. Compounds such as bacopaside E and bacopaside VII extracted from *B.monnieri* have effects on cancer cells in malignantglioma and breast cancer. The main active compound of *C.longa* is curcumin which inhibit regrowth of cancer stem cells and shows best effects on breast and stomach cancer. O. sanctum has a range of beneficial compounds such as eugenol, rosmarinic acid, carnosic acid and apigenin inhibits the development of new tumors and inducers cell death. Z.officinalecontains a pungent compound such as 6-shogaol, zingerone and paradols provide chemopreventive activity which prevents and slows the progression of tumor growth. Arginine, oligosaccharides, flavonoids and selenium areextracted from A. sativum reduce risk of stomach, colon and breast cancer. B. oleraceae var. botrytis contains fiber, vitamin B and C, carotenoids, glucosinolates, isothiocyanates promote the death of cancer cells while sparing