

The World Health Organization (WHO) has given emphasis on development and utilization of herbal products and medicines for the benefit of world population and to see cost effectiveness and minimum side effects of these products. Development of herbal based products has increased manifold in the past few years in all parts of the world and thus the present age is also referred as the “age of herbal products”. The medicated herbal health beverage (tea) is successfully developed patented and technology transferred to national vendors which are developed by using 11 potential medicinal plants of high altitude in India. *Rhodiola* is the major constituent of this herbal tea and rich in antioxidant value. These products are also being introduced in the Indian army as special high altitude rations. *Rhodiola* a high altitude growing plant is widely distributed throughout Europe and Asia. The plant belongs to the family of Crassulaceae, sub family sedoideae and genus *Rhodiola*. There are about 200 species of the plant and its roots contain a range of biologically active substance. The present investigation involves extraction of secondary metabolites from the *Rhodiola* rhizome and testing the efficiency for antioxidant and anticancer properties.