Comparative Study of Cinchona Cinnamon Bark

Omkar Rajaram Gosavi, Prof. Babasaheb Radhu Manchare, Disha Nipurte, Satyajeet Dadabhau Walunj, Sakshi Tushar Nagarkar, Saurabh Ramesh Kadam
Samarth Institute of Pharmacy, Belhe, Maharashtra, India

Abstract: Cinchona which belongs to family Rubiaceae, got its importance from the centuries because of its antimalarial activity. Alkaloids present in this herb, quinine, chinchonine, quinidine and cinchonidine are the main, but percentage may vary in species to species. since the early 17 century, the alkaloid are frequently used in Indian ayurvedic, siddha and traditional folk medicine to treating fever and still now in modern medicine cinchona alkaloids are used for the treatment of malaria as well as for other diseases and became the well-known drug after the treatment of malaria caused by Plasmodium Sp. Literature study revealed that along with the antimalarial activity the cinchona alkaloids has other potentially like anti-obesity, anticancer, anti-oxidant, anti-inflammatory, antimicrobial activity. Many herbal remedies have been employed in various medical systems for the treatment and management of different disease. Cinnamon is ever green tree of tropical area, a member of family Lauraceae, has been used in day to day routine as spice. Literature review on cinnamon revealed that in mainly contain essential oil and important compounds like cinnamaldehyde, eugenol, cinnamic acid and cinnamon. It has got good anti-inflammatory, antioxidant, antimicrobial, anti-diabetic, memory enhancer and many other Activities.

Keywords: Cinchona, quinine, Alkaloids, Cinnamon, spice, Cinnamaldehyde.

REFERENCES

