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Investigation of actual chemical constituents and anti-inflammatory activity of Arka leaves extracts

Mohammed Rageeb Mohammed Usman, Bharat V Jain, Sandeep R Pawar, Tanvir Y Shaikh and Ikbal Khan
Smt. Sharadchandrika Suresh Patil College of Pharmacy, India

The present studies that investigation of actual chemical constituents and anti-inflammatory activity of Arka leaves extracts. Evidence of their effectiveness in the diagnosis, cure and prevention of disease states exists in every culture throughout the world. Today “traditional medicine,” characterized by the use of herbs and other natural products still remains a regular component of health care in countries such as China, Japan, India, South America and Egypt. The search for anti-inflammatory and analgesic agent in modern was marked by the introduction of salicin for the treatment of inflammatory swellings due to rheumatic fever and rheumatoid arthritis. The ethanol extract and distilled water extract showed good significant reduction in paw oedema as compared to control group, where as petroleum ether (60-80°C) extract, chloroform extract, ethyl acetate, n-butanol has showed comparatively less significant reduction in paw oedema volume. The chloroform and n-butanol extract showed good significant reduction in rectal temperature as compare to control group, where as pet. ether, ethyl acetate, ethanol and distilled water extracts showed less significant reduction in rectal temperature. Hence, the active principle of Arka like glycoside, sterols, carbohydrate, flavonoids, terpenoide may be responsible for anti-inflammatory activities.

Biography

Mohammed Rageeb Mohammed Usman completed MPharm from North Maharashtra University and is pursuing PhD from Shri Jagdish Prasad Jhabarmal Timrewala University, Rajasthan. He has published two international books, 3 books are communicated for publication and more than 50 review/research articles in various peer reviewed national and international journals having good impact factor. He also presented more than 97 oral and poster presentations and participated more than 145 national and international scientific occasions. He is a life time member of various Pharmacy professional Associations (APTI, APP, SPER, ISP, ICPHS, IHPA, IPA, RHS, ABAP and IGPA). He has received appreciation/best oral/poster presentation awards in various conferences.

rageebshaikh@gmail.com