

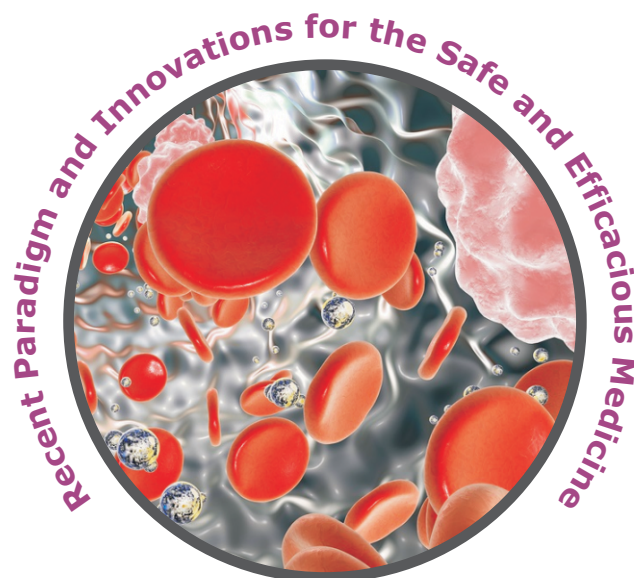


**SOCIETY OF PHARMACEUTICAL
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ABSTRACT

Colon targeting is helpful for treatment of colonic diseases such as irritable bowel syndrome, ulcerative colitis, etc. Celecoxib, an anti-inflammatory drug was used as a model drug in current investigation. The pH responsive microsphere formulation may protect Celecoxib from degradation in upper GIT and thus by targeting to the colon, may reduce dosing frequency and provide prolonged drug release. Microspheres were prepared using solvent evaporation method by dispersing drug in the polymeric solution of Eudragit S100 and Ethyl cellulose, and then pouring this mixture into 1% span 80 and paraffin solution to obtain the microspheres. Box-Behnken design were used for optimization of various batches of microspheres. Microsphere were evaluated for particle size determination, drug content, entrapment efficiency, SEM, in vitro drug release and kinetics and accelerated stability study. Results showed that batch containing Eudragit S100 & Ethyl cellulose in 1:1 ratio, indicated maximum drug release ($97.69 \pm 0.037\%$) in 12hr and maximum drug entrapment efficiency (83.82%). The drug release followed Hixon Crowell kinetic model and indicated super-case II drug release due to erosion of polymer. Results suggested that pH responsive microsphere containing celecoxib is a promising drug delivery system in the treatment of colonic diseases.

PC-24

CURRENT SCENARIO OF HERBAL COSMETICS IN INDIA

Ankita Hadke*

ABSTRACT

Cosmetics are substances or products used to enhance the appearance of the face or fragrance and texture of body. As per Drugs and Cosmetics Act 1940 and The Rule 1945, cosmetics are defined as the means any article intended to be rubbed, poured, sprinkled or sprayed on, or introduced into, or otherwise applied to, the human body or any part thereof for cleansing, beautifying, promoting, attractiveness or altering the appearance. Our tradition says that from ancient days, India has one of the richest plant traditions and used in production of cosmetics and medicines. Now a days people prefer herbal cosmetics due to less side effects and less cost. Use of synthetic cosmetics over long time becomes harmful to body. Most of the herbal cosmetic company in India like Himalaya Herbals, Lotus Herbals, Khadi Herbals, Vaadi Naturals, Just Herbs, Biotique, Ayur Herbals, Forest Essentials, VLCC, JOVEES Herbals are the top 10 cosmetic companies in India shares in export of Herbals is USD 63 million. The countries cosmetics and cosmeceuticals market is expected to annual growth of 25% touching USD 20 billion by 2025, according to industry experts. The Indian cosmetic and cosmeceuticals company overall market of USD 274 billion. The Indian cosmetics industry is growing rapidly at a rate of 13-18% more than of US and European market. This article provides details of current scenario of herbal cosmetics in India.

PC-25

FORMULATION AND EVALUATION OF pH INDEPENDENT CONTROLLED RELEASE MATRIX TABLETS OF PROPRANOLOL HYDROCHLORIDE

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ABSTRACT

Propranolol hydrochloride which is used in the treatment of hypertension and cardiac arrhythmias is a weak basic drug with pH-dependent solubility that may show release problems from controlled release dosage forms at higher pH of small intestine. This might decrease drug bioavailability and cause variable oral absorption. One of the approaches to solve the problem of pH dependent release of weakly basic drug is to add release modifiers in the formulation which was the objective of the present work. Controlled release matrix tablets were prepared by direct compression method in which