

Research Article

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## Formulation and Evaluation of Ajwain Exfoliating Cream

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Introduction: Herbal cosmetics are gaining popularity due to their minimal side effects and natural origin. Ajwain (*Trachyspermum Ammi*) is a well-known medicinal plant with antimicrobial, antioxidant, and anti-inflammatory properties. This study focuses on formulating an exfoliating cream with ajwain powder as the key active ingredient, aiming to provide gentle exfoli ...

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## Dimethyl Fumarate Sterically Stabilized Solid Lipid Nanoparticles. Physicochemical properties and in vitro drug release

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In this work Dimethyl Fumarate (DMF)-loaded and DMF-unloaded Solid Lipid Nanoparticles (SLNs) were developed and characterized by Dynamic Light Scattering (DLS), Atomic Force Microscopy (AFM), Scanning Electron Microscopy (SEM), Differential Scanning Calorimetry (DSC), and X-ray Diffraction (XRD). In vitro release assay was also performed, and DMF was quantified by GC ...

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# Comparison of Hydrochar and Pyrochar made from Cellulose, Lignin, and Cornhusk: Physiochemical Properties and removal of Cd() from Aqueous Solution

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In this study, hydrochar and pyrochar were made from cellulose, lignin (components of biomass), and corn husk (a type of biomass) through hydrothermal carbonization at 300 and pyrolysis at 300 and 500 . Their physiochemical properties and Cd() adsorption performances were then compared. Additionally, characteristics of hydrochar and pyrochar generated by each pr ...

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## Review Article

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# Embracing Nature: The Rise of Herbal Exfoliating Creams in Skincare

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In recent years, there has been a significant shift in consumer preferences towards natural and organic skincare products, driven by a growing awareness of the potential side effects of synthetic ingredients. This trend has led to the rise of herbal exfoliating creams, which harness the power of botanical extracts to provide gentle yet effective exfoliation. These cre ...

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# A Review of Nanomaterials for Ecological Bioenergy Production: Modern Trends and Predictions

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The necessity to investigate alternative energy sources with substantial potential has been highlighted by the world's dependence on fossil fuels for energy production. Prioritizing sustainable energy solutions is imperative in light of the current energy dilemma, which is made worse by a growing population and depleting fossil fuel supplies. Recent decades

have seen ...

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