2026 | Volume Volume - 11 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:IJNNN-11-171

Formulation and Evaluation of Ajwain Exfoliating Cream

Published On: June 24, 2025 | Pages: 027 - 035

Author(s): Akash Patel*, Sudhir Kathane, Ashwani Tanwar and Ritesh Jain

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 ...

Abstract View Full Article View DOI: 10.17352/2455-3492.000071

Open Access Research Article PTZAID:IJNNN-11-170

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

Published On: March 03, 2025 | Pages: 015 - 026

Author(s): Gisela Bevilacqua Rolfsen Ferreira da Silva*, Guedmiller Souza de Oliveira, Ariana de Souza Moraes, Livia Rodrigues Francischini, Eryvaldo Socrates Tabosa do Egito, Fábio de Lima Leite and Anselmo Gomes de Oliveira

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 ...

Abstract View Full Article View DOI: 10.17352/2455-3492.000070

Open Access Research Article PTZAID:IJNNN-11-168

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

Published On: January 18, 2025 | Pages: 001 - 008

Author(s): Jin Sun Cha*, Hyungjoo Kim and Tae-Woo Kim

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 ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000068

Review Article

Open Access Review Article PTZAID:IJNNN-11-172

Embracing Nature: The Rise of Herbal Exfoliating Creams in Skincare

Published On: June 27, 2025 | Pages: 036 - 041

Author(s): Akash Patel*, Sudhir Kathane, Ashwani Tanwar and Ritesh Jain

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 ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000072

Open Access Review Article PTZAID:IJNNN-11-169

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

Published On: February 08, 2025 | Pages: 009 - 014

Author(s): N Kanthavelkumaran*, A Saravanan, S Iyyappan, PV Prasanth and N Visalatchi

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 ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000069