



## Critical Reviews™ in Therapeutic Drug Carrier Systems

Editor-in-Chief: *Mandip Sachdeva Singh*

Associate Editor: *James Birchall*

Published 6 issues per year

ISSN Print: 0743-4863

ISSN Online: 2162-660X

Clarivate Analytics IF: 3.5 Clarivate Analytics 5-Year IF: 3.5 Clarivate Analytics Immediacy Index: 0.5 Clarivate Analytics Eigenfactor: 0.00029 Clarivate Analytics JCI: 0.36 SJR: 0.536 SNIP: 0.526 CiteScore™: 5.5 H-Index: 82

Indexed in



[Gain Access](#)

## Psoriasis Clinical Implications and Treatment: A Review

Volume 30, Issue 3, 2013, pp. 183-216

DOI: 10.1615/CritRevTherDrugCarrierSyst.2013005268

Submitted: Apr 27 2012

Accepted: Aug 31 2012

Published online: Apr 24 2013



[Get access](#)

Ashlesha S. Raut

Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai 400 019, India

Rashmi H. Prabhu

Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai 400 019, India

Vandana B. Patravale (Corresponding author [vbp\\_muict@yahoo.co.in](mailto:vbp_muict@yahoo.co.in))

Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai, Maharashtra, India

### ABSTRACT

Psoriasis is a common skin disorder affecting the population worldwide. It is a T-cell mediated autoimmune disorder leading to keratinocyte hyperproliferation. Psoriasis has genetic predisposition that is further aggravated by certain stimulating factors. In spite of significant advances in understanding the pathogenesis of psoriasis, the exact etiology of the disease remains unknown. The clinical manifestations of this disease include various forms that affect different parts of the body. Treatment options vary according to the mode of application or severity of the disease. Earlier treatments have included application of emollients or keratolytic agents to hydrate the skin or shed off the skin. But later treatments have been modified to treat the underlying T-cell proliferation. Hence, topical treatments like coal tar, vitamin D, retinoids, topical calcineurin inhibitors for treating mild psoriasis, systemic treatments including methotrexate, cyclosporine, acitretin, hydroxyurea, as well as light therapy for severe psoriasis have become more prominent. Current treatment modalities are associated with the risk of serious side effects from prolonged treatment. Combinations of these therapies have provided effective and rapid modalities to suppress the disease and reduce the side effects of treatment. In addition, newer carrier systems for conventional drugs are being developed to improve the effectiveness of treatment and reduce the side effects. Development of biologics and gene therapy have revolutionized the treatment of this skin disease. Although an array of therapies to suppress the psoriatic condition exists, none are curative.

**KEY WORDS:** [Psoriasis](#), [immunopathogenesis](#), [clinical types](#), [treatment](#), [novel delivery systems](#)

▼ CITED BY

4941 Article views 308 Article downloads Metrics

4941 VIEWS 308 DOWNLOADS 57 Crossref CITATIONS Google

## Articles with similar content:

### [ADVANCES IN THE MANAGEMENT OF NEUROBLASTOMA](#)

Critical Reviews™ in Eukaryotic Gene Expression, Vol.34, 2024, issue 2

Muhammad Imran Qadir, Sumaira Noreen, Bilal Ahmed

### [ANCIENT AND ADVANCED APPROACHES FOR THE TREATMENT OF AN INFLAMMATORY AUTOIMMUNE DISEASE-PSORIASIS](#)

Critical Reviews™ in Therapeutic Drug Carrier Systems, Vol.31, 2014, issue 4

Goutam Rath, Tarun Garg, Amit Goyal

### [PHOTODYNAMIC THERAPY AS AN ALTERNATIVE ANTIMICROBIAL MODALITY FOR ORAL INFECTIONS](#)

Journal of Environmental Pathology, Toxicology and Oncology, Vol.25, 2006, issue 1-2

Alexander J. MacRobert, Nurgul Komerik

### [TRANSPLANTATION FOR OLDER PATIENTS WITH HEMATOLOGIC MALIGNANCIES IN 2021: UNCERTAINTY AND ETHICS IN DECISION-MAKING](#)

Ethics in Biology, Engineering and Medicine: An International Journal, Vol.12, 2021, issue 1

H. Joachim Deeg

### [MOLECULAR MECHANISMS OF RESISTANCE TO ANTI-ANGIOGENIC DRUGS](#)

Critical Reviews™ in Oncogenesis, Vol.26, 2021, issue 2

Valerio Ciccone, Lucia Morbidelli, Marina Ziche, Arianna Filippelli, Sandra Donnini

## Latest Issue

### [ADVANCES IN GOLD NANOPARTICLES: SYNTHESIS, FUNCTIONALIZATION STRATEGIES, AND THERANOSTIC APPLICATIONS IN CANCER](#)

Mansi Damani, Mrunal Jadhav, Rashmi Joshi, Bheeshma Pratap Singh, Munira M. Momin, Raghumani Singh Ningthoujam, Tabassum Khan

### [A PATENT REVIEW ON THE USE OF CYCLODEXTRIN INCLUSION COMPLEXES TO ENHANCE PHYSICOCHEMICAL AND PHARMACOLOGICAL PROPERTIES IN ANTIDEPRESSANT DRUGS](#)

José Adão Carvalho Nascimento Júnior, Luiza Abrahão Frank, Alcimary Bispo Santos, Anamaria Mendonça Santos, Tatianny de Araújo Andrade, Paula dos Passos Menezes, Renata Vidor Contri, Mairim Russo Serafini

### [NAVIGATING THE CHALLENGES OF 3D PRINTING PERSONALIZED MEDICINE IN SPACE EXPLORATIONS: A COMPREHENSIVE REVIEW](#)

Prakash Katakam, Madhavi Lakshmi Ratna Bhavaraju, Tanniru Venkata Narayana, Koushik Bhandari, Nagarajan Sriram, Vidya Sagar Sisinty, Shanta Kumari Adiki

### [INDEX, VOLUME 41, 2024](#)

## Forthcoming Articles

### [NOVEL DRUG DELIVERY TOOLS FOR BETTER PERMEATION AND SKIN CANCER TREATMENT](#)

Kajal Chaudhary, Anjali Rajora

### [NANOBIOCATALYSTS AND NANOZYMES: ENZYME-INSPIRED NANOMATERIALS FOR INDUSTRIAL AND BIOMEDICAL APPLICATIONS](#)

Sarika Gupta, Meenu Kumari, Koyel Panja, Priyanka Bajaj, Kalpana Nagpal