



Controlled Release Society Indian Chapter

One Day National Seminar on

Translational Research: From Bench to Bedside

Sunday, 17th November, 2019

SOUVENIR & ABSTRACT BOOK

Organized by -

All Pharmacy Colleges

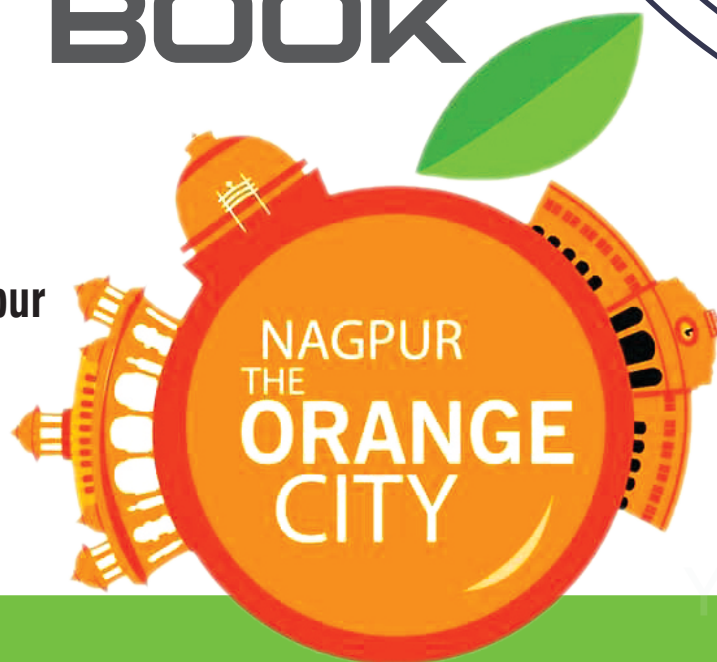
Affiliated to R.T.M. Nagpur University, Nagpur

Venue :

Hotel Tuli Imperial

Ramdaspath,

Nagpur - 440 012.





SOUVENIR

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FORMULATION DEVELOPMENT AND EVALUATION OF COSMECEUTICAL FORMULATION CONTAINING KERATIN DERIVED FROM HUMAN HAIR

Sakshi S. Bambal*, Gauri S. Dehankar, Vinod Thakare, Ajay Pise, Amol Brahme
Dadasaheb Balpande College of pharmacy, Besa, Nagpur, Maharashtra- 440037.

Abstract:

Cosmeceuticals is the combination of Cosmetics and Pharmaceuticals. Cosmeceuticals are cosmetic products with bioactive ingredients purported to have medical or drug-like benefits. Keratin is obtained from human hairs. The keratin mainly present in hairs, nails and feathers. The major source of keratin is human hairs which are easily available, eco-friendly and less cost which are generally used in cosmetics and used in several dermal preparation. The product that contain rich amount of keratin, faster in nourishing hairs, eliminates frizz while maintaining natural wave and curl increases shine and softness, weightless look and feel last up to several months. The major active components needed for cosmetic activity were identified using TLC, UV, FTIR techniques. Formulation also retained good stability. Favorable formulation texture profile along with viscosity, pH, spreadability and nourishing activity has ensured the quality and stability of the gel as compared with different marketed formulations. Referring to the molecular structure of Keratin following functional group are observed C-H stretching, N-H stretching and there refractive frequency ranges were found to be 2850-2970, 3310-3100 and 1550-1600.

Keywords

Cosmeceuticals, keratin, stretching

