

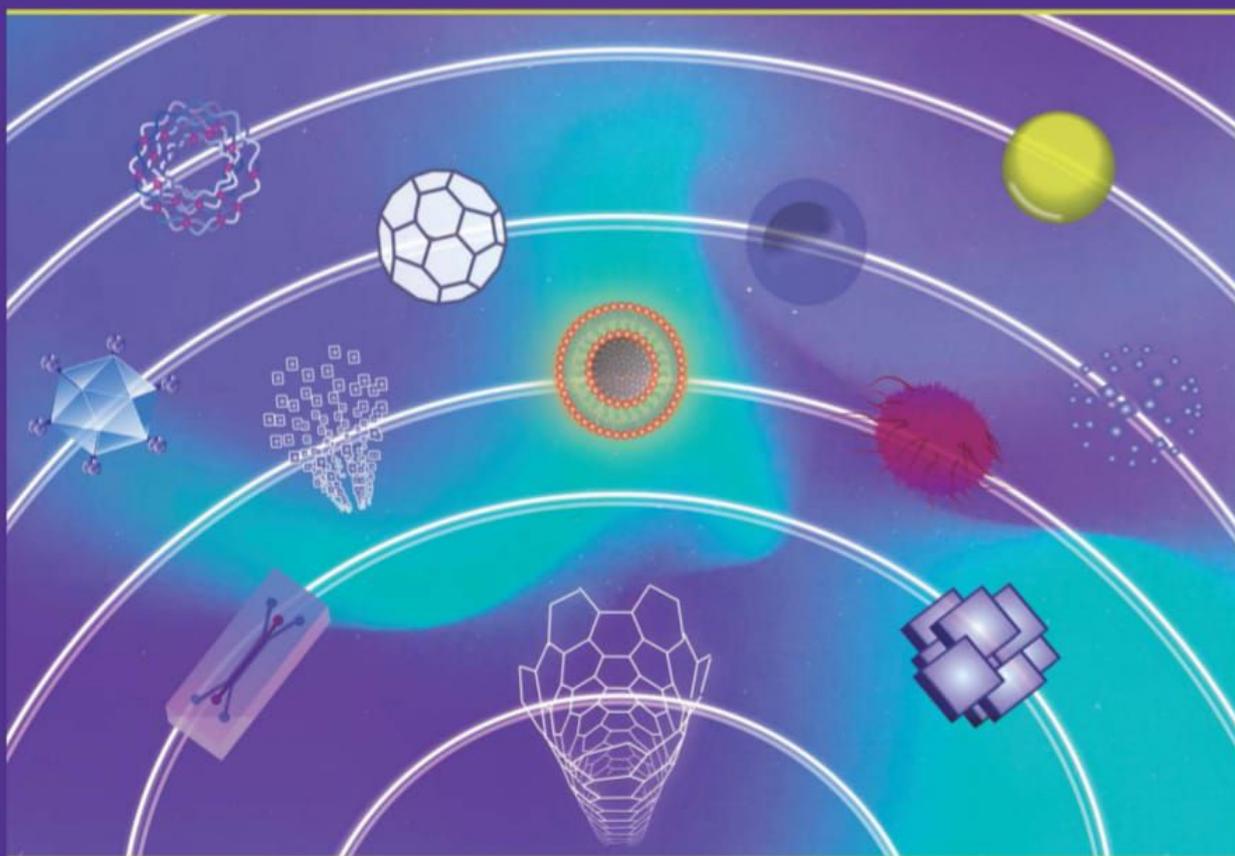
NANOCHEMISTRY

SYNTHESIS, CHARACTERIZATION AND APPLICATIONS

Editors

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CRC Press
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A SCIENCE PUBLISHERS BOOK

Nanochemistry

Synthesis, Characterization and Applications

Editors

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IN LIFE SCIENCES

By
Dr. Kalpit Ganesh Mhatre
Dr. Deepali R. Mhapsekar

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Publication

ANTIFUNGAL ACTIVITY OF GARCINIA INDICA AGAINST M.GLOBOSA

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ABSTRACT

Dandruff is a common disorder affecting the scalp. The genus *Malassezia* is the main causative agent of dandruff. This fungus lives and feeds on human skin, causing the itching and flaking associated with the condition. Out of 17 different species, *Malassezia furfur* and *Malassezia globosa* are the main cause of dandruff. In recent years plant based products are widely used as therapeutic weapon to cure human disorders. The plant *Garcinia indica* (Kokam) belonging to family Clusiaceae native to India is one of such plants which has shown many therapeutic uses. The present study shows the anti-dandruff activity of *G.indica* against *M.globosa*. Out of three screened fractions (Chloroform, ethyl acetate and water fraction), ethyl acetate fraction showed a good zone of inhibition 14.2 ± 0.34 mm and 20.3 ± 0.12 mm at 80 and 100 % concentration respectively.

Key words:

Dandruff, *Malassezia globosa*, fruit extracts, inhibition, *Garcinia indica*

INTRODUCTION:

Dandruff (pityriasis, capitis, seborrheic dermatitis confined to scalp) is a disease that has been around for centuries despite of several treatment options. It is a common scalp disorder affecting almost half of the pubertal population of both genders but most prevalent in male population between age group of 20 to 60 years¹. It is the major cosmetic problem which causes a great public health concern both in the developed as well as developing