



## Contents

- Marine-derived nanoparticles: Green synthesis, functional applications and future perspectives** ..... 05 - 15

*Senthilkumar Palanisamy, Rahul Jacob Michael, Kokila Saravanan, Jishna Jabbar, Athira Unnikrishnan and Kamesh Lakshmanaperumal*

- A study on the preparation and application of packaging material using plant based gum** ..... 16 - 23

*Sowndarya G, Balambigai N, Ramathilaga A and Sanjay S*

- Multilayer coating of seed using PGPR and plant growth bio - stimulants for delivering nutrients at the early stages of plant growth.** ..... 24 - 37

*Ebenezer A, Ramathilaga A and Balambigai N*

- An overview on Green Cloud Computing** ..... 38 - 43

*M Viswanathan*

- Sustainable hospitality: Leveraging green technologies and IT solutions for eco-friendly hotel operations** ..... 44 - 54

*Leo Robert R and Sivakumar R D*



**Dr. G.R. DAMODARAN COLLEGE OF SCIENCE**  
**(AUTONOMOUS)**  
**COIMBATORE - 641 014**



## Dr. G.R. Damodaran College of Science

(Autonomous, affiliated to the Bharathiar University and recognized by the UGC)

Accredited at the 'A+' Grade level by the NAAC

An ISO 9001 : 2015 Certified Institution

Avinashi Road ☐ Civil Aerodrome Post ☐ Coimbatore - 641 014 ☐ Tamilnadu ☐ India

Phones : (0422) 2572719 ☐ 2576557 ☐ 2591863 - 64

E-mail : grdcs@grd.org ☐ grdim@grd.org ☐ grdscib@grd.org

grdbt@grd.org ☐ placement@grd.org ☐ departmt@grd.org ☐ alumncs@grd.org

Website : <http://www.grd.org>

Edited and Published by Dr. D. Padmanaban, Managing Trustee, GRD Institutions, Coimbatore, India.

Printed at Kalaikathir Achchagam, 963, Avinashi Road, Coimbatore - 641 037, India. Phone : +91-422-2223454