



**GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)**

**KUMBAKONAM – 612 001**

*Affiliated to Bharathidasan University*

**DST - CURIE Sponsored Institution**

**IV Cycle of Accreditation**

☎ 0435 – 2401391

✉ [principal@gwk.ac.in](mailto:principal@gwk.ac.in)



## **CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION**

### **3.4. RESEARCH PUBLICATION AND AWARDS**

#### **3.4.4 Number of Books and Chapters in Edited Volumes Published per Teacher**

**COVER PAGE FOR BOOK**

**Dr. M.Govindarajan**

**“Greener Nanomaterials”**

# GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM – 612 001

Affiliated to Bharathidasan University

DST - CURIE Sponsored Institution

IV Cycle of Accreditation



☎ 0435 – 2401391

✉ principal@gwk.ac.in



Name of the teacher	Title of the book published	Year of publication	ISBN number	Whether at the time of publication Affiliating Institution was same Yes/No	Name of the publisher
K. Gopinath, M. Govindarajan & S. Umavathi	Greener Nanomaterials	May 2020	978-620-2-56544-8	Yes	Lap LAMBERT Academic publishing

This book comprises a collection of chapters on advances in green nanomaterials. The book looks at ways to establish long term safe and sustainable forms of nanotechnology through implementation of nanoparticle biosynthesis with minimum impact on the ecosystem. Controlled size and shape nanoparticle influence on plant growth, nutraceutical and pharmacological applications. The book looks at lead to useful guidance for developing the future generation of green synthesized nanomaterials based biomedical applications. The contents of this book will prove useful for researchers and professionals working in the field of nanomaterials and green nanotechnology. The book contains six chapters. Chapter 1 provides a general introduction. In chapter 2, Effects of nanoparticles on plant growth and developments are given. The chapter 3 provides other nanoparticles on plant growth. In chapter 4, contain Nutraceutical applications. The pharmacological application is in chapter 5. Future prospective and conclusion is in chapter 6. Finally provide references.

## NANOMATERIALS

Dr. K. Gopinath serving as a post doctoral fellow at the School of Materials and Energy, Southwest University, P.R. China 400715. Dr.M. Govindarajan is serving as an Assistant Professor of Zoology, Annamalai University, India. Dr. S. Umavathi working as an Assistant Professor of Botany, Adhijaman Arts and Science College for Women, Uthangarai, India.

Kasi Gopinath  
Marimuthu Govindarajan  
Saraswathi Umavathi

### Greener Nanomaterials

Plant Growth, Nutraceutical and Pharmacological Applications

978-620-2-56544-8



**PRINCIPAL**  
 Government College for Women (Autonomous)  
 KUMBAKONAM.