



Pharmaceutical Properties of Some Common Spices - R. Nirmala

Editor
R. Nirmala

Pharmaceutical Properties of Some Common Spices

Fundamentals & Applications

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Preface

Pharmaceutical Properties of Some Common Spices, Fundamentals & Applications deals with the basic information about the spices like the taxonomy, history, distribution, pharmaceutical properties, and its applications. This book is targeted towards the students, and researchers who want to get some basic knowledge about pharmaceutical properties spices. This book has topics in the following titles. *Garcinia indica*: Versatile spice, *Alpinia galanga* – Medicinal spice, *Piper nigrum*: Salad spice, *Punica granatum L.*: Multifaceted spice, *Amomum sublatum*: Queen of spices, *Syzygium aromaticum*: Precious spice, *Nigella sativa*: Miracle spice, *Sesamum indicum*: Nutritional spice, *Papaver somniferum*: Ancient spice, *Cinnamomum verum J.Persl.*: Bark spice. This book will surely enlighten the research community.

R.Nirmala



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Dr. R. Nirmala has completed her Ph.D. degree in Bionano System Engineering, CBNU, South Korea. She worked as Research Assistant Professor under government Projects. She is currently working as an Assistant Professor in the Department of Biotechnology, Hindustan College of Arts & Science, Chennai. She has been recognized as a supervisor for guiding scholars leading to award of Ph.D., in Department of Biotechnology, University of Madras. She has excellent research and teaching experiences. She has been actively involved with research activities which include electrospinning of biopolymers for nanotechnological applications in environmental, energy, and medical areas. Her research is mainly dealt with the preparation of nanofibers and their characterization techniques. Her favourite research fields include bionanomaterials, nanotechnology, biotechnology, and microbiology. To her credit, she is having 2 patents and 70 Scopus and web of science indexed research articles in the internationally reputed journal with an h-index of 23. She has been involved in many technical committees. She has attended several workshops, conferences, and seminars to present her research works. She is a reviewer for many international journals.



Abbreviations

ACA	1'-Acetoxychavicol Acetate
Acetyl- CoA	Acetyl Coenzyme A
ATP	Adenosine 5'-Triphosphate
BP	Blood Pressure
CB	Cinnamon Bark
CE	Cinnamon Extraction
CFU	Colony Forming Unit
CLA	Conjugated Linolenic Acids
CT	Cinnamon Twig
CUMS	Chronic Unpredictable Mild Stress
d-GalN	D-Galactosamine
DMSO	Dimethyl Sulfoxide
DNA	Deoxyribonucleic Acid
DNCB	Dinitrochlorobenzene
DPPH	2,2-Diphenyl-1-Picrylhydrazyl
g	Gram
GC – MS	Gas Chromatography–Mass Spectrometry
GSE	GymnemaSylvestre Extract
GSH	Glutathione
HCA	Hydroxycitric Acid
HPLC	High-Performance Liquid Chromatography
L	Litre

LDL	Low-Density Lipoprotein
LDP	Low- Density Lipoprotein
LPS	Lipopolysaccharide
MBC	Minimum Bactericidal Concentration
MCD	Methionine-Choline Deficient
MHA	Mueller Hinton Agar
MIC	Minimum Inhibitory Concentration
ml	Millilitre
NA	Not Applicable
RBC	Red Blood Cells
RES	Reticuloendothelial System
RI	Retention Index
RNS	Reactive Nitrogen Species
ROS	Reactive Oxygen Species
STZ	Streptozotocin
TSA	Trypticase Soy Agar
UK	United Kingdom
USA	United States of America
UV	Ultraviolet
μM	Micromole



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