

# **Antioxidants Chemistry Bioactivity and Health Benefits**

*Edited by:*

**Dr. Paras Tak**

*Associate Professor*

*Department of Chemistry*

*Pacific University, Udaipur, Rajasthan*

**I N S P I R A<sup>®</sup>**  
Reg. No. SH-481 R- 9-V P-76/2014

JAIPUR • DELHI (INDIA)

*Published by*  
INSPIRA  
Tonk Road  
Jaipur-302018, Rajasthan, India

© Publisher

ISBN: 978-93-91932-73-2

Edition: 2024

*All rights reserved. No part of this book may be reproduced in any form without the prior permission in writing from the Publisher. Breach of this condition is liable for legal action. All disputes are subject to Jaipur Jurisdiction only.*

Price: Rs. 740/-

*Printed by:*  
*In-house-Digital*  
*Jaipur-302018*

This is to certify that this edited book entitled "**ANTIOXIDANTS CHEMISTRY, BIOACTIVITY AND HEALTH BENEFITS**" bearing ISBN No. 978-93-91932-73-2 is refereed and published after due peer-review process.

Thanks



Publisher

**CONTENTS**

<b>Chapter</b>	<b>Name of Chapter</b>	<b>Page No.</b>
1	Medicinal Chemistry Strategies to CB1 Cannabinoid Receptor Antagonists: A Review <b>Yogesh Matta &amp; Neha Arora</b>	01-16
2	Exploring the Opportunities of Spirulina Production <b>Dr. Anuradha Dubey</b>	17-22
3	A Systematic Review of Anti-Obesity Medicinal Plants: An Update <b>Yogesh Matta</b>	23-31
4	Anti-Obesity Effect of Rimonabant, A CB1 Receptor Antagonist, in Diet-Induced Obese Mice <b>Yogesh Matta</b>	32-38
5	Preparation and Characterization of Transferosomes for Transdermal Delivery <b>Md Shakir Alam, Neha Arora &amp; Yogesh Matta</b>	39-50
6	Plastic Pollution: Health Issues and Solutions <b>Dr. Hemu Chaudhary</b>	51-53
7	Phytoremediation of Contaminated Soils using Ornamental Plants: A Literature-Based Review <b>Baisakhi Chaudhury</b>	54-59
8	Effects of Chemicals on Ecosystems <b>Archana Gajraj</b>	60-69
9	Innovative Solutions for Chemical Pollution <b>Dr. Rehana Khanam</b>	70-75
10	Sustainable Development and Chemical Use <b>Preeti Bairwa</b>	76-85

