# CHEMISTRY USES IN MEDICINE OR MEDICAL TECHNOLOGY

# Edited by:

#### Dr. Paras Tak

Associate Professor
Department of Chemistry
Pacific University, Udaipur, Rajasthan

## Prof. Neetu Shorgar

Professor and Head Department at Pacific Science College Pacific University, Udaipur, Rajasthan

# Dr. Priyanka Jhalora

Assistant Professor
Pacific Science College
Pacific University, Udaipur, Rajasthan

#### MGM PUBLISHING HOUSE

JAIPUR - DELHI

#### © Publisher

This book, or any part thereof must not be reproduced or reprinted in any form, whatsoever, without the written permission of authors except for the purpose of references and review.

# **Published by MGM Publishing House**Airport Plaza, Balaji Tower 6 Durgapura, Jaipur-302015 Rajasthan, India

© Publisher

ISBN: 978-81-965336-1-8

First Edition: July 2024

All rights reserved. No part of this book may be reproduced in any form without the prior permission in writing from the Publisher.

Price: Rs. 750/-

Printed by: In-house-Digital Jaipur-302018

#### Disclaimer

The originality and authenticity of papers in this volume and the opinions and facts expressed therein are the sole responsibility of the authors.

MGM Publishing House & the editors of this volume disclaim the responsibility for originality, authenticity and any statement of facts or opinions by the authors.

MGM

This is to certify that this edited book entitled "CHEMISTRY USES IN MEDICINE OR MEDICAL TECHNOLOGY" bearing ISBN No. 978-81-965336-1-8 is refereed and published after due peer-review process.

Thanks

Publisher

### **CONTENTS**

Chapter	Topic	Page No.
1	Chemistry in Medicine	01-10
	Dr. Pratibha Mittal	
2	Medicinal Chemistry	11-20
	Dr. Jagrati Meena	
3	Drug Discovery and Development	21-35
	Archana Gajraj	
4	Diagnostic Chemistry	36-46
	Rakhi Methi	
5	Nanotechnology in Medicine	47-53
	Bhanwar Lal Gahan	
6	Chemical Safety and Toxicology	54-60
	Dr. Meena Dochania & Dr. Gajendra Singh	
7	Biopharmaceuticals and Biotechnology	61-66
	Dr. Mahima Sharma	
8	Therapeutic Chemistry	67-76
	Dr. Pratibha Payal	
9	Blocking the Cannabinoid Receptors: Drug Candidates & Therapeutic Uses	77-84
	Yogesh Matta & Neha Arora	
10	Case Studies and Real-World Applications	85-89
	Dr. Mridula Khandelwal	