

Futuristic Trends in **Medical Sciences**

Volume 3, Book 3, 2024, IIP Series



Futuristic Trends in

MEDICAL SCIENCES

Volume 3, Book 3, 2024, IIP Series



Title of the Book: Futuristic Trends in Medical Sciences

Edition: Volume 3, Book 3, 2024, IIP Series

Copyright © 2024 Authors

No part of this book may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owners and publisher.

Disclaimer

The authors are solely responsible for the contents published in this book. The publisher or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are requested to communicate such errors to the editors or publishers to avoid discrepancies in future.

ISBN: 978-93-6252-771-4

Publisher, Printed at & Distribution by:

Selfypage Developers Pvt. Ltd.,
Pushpagiri Complex,
Beside SBI Housing Board,
K.M. Road Chikkamagaluru, Karnataka.
Tel.: +91-8861518868
E-mail: info@iipseries.org

IMPRINT: I I P Iterative International Publishers

PREFACE

Book series on Medical Science gives the opportunity to students and doctors from all over the world to publish their research work in a set of Preclinical sciences, Internal medicine, Surgery and Public Health. This book series aim to inspire innovation and promote academic quality through outstanding publications of scientists and doctors. It also provides a premier interdisciplinary platform for researchers, practitioners, and educators to publish the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Medical Science. It also provides a remarkable opportunity for the academic, research and doctors communities to address new challenges and share solutions and discuss future research directions in the below field but not limited to

1. Surgery
2. Obstetrics
3. Pathology
4. Biomedical Sciences
5. Epidemiology and Public Health
6. Otolaryngology
7. Anaesthesia
8. Medicine
9. Paediatrics
10. Odontology
11. Odontology
12. Orthopaedic Medicine
13. Dermatology
14. Radiology
15. History of Medicine
16. Psychiatry
17. Neurological Sciences
18. Rheumatology and Rehabilitation
19. Ophthalmology
20. General Practice
21. Genito Urinary Medicine
22. Bioengineering
23. Health Informatics
24. Dental Surgery
25. Ayurveda
26. Unani
27. Homoeopathy

EDITORIAL BOARD MEMBERS

Dr. Rahul Maurya

RA, Pharmacy

National Ayurveda Research Institute for Panchakarma

Thrissur, Kerala, India

Dr. Indranil Chakrabarti

Additional Professor

Department of Pathology and Lab Medicine

AIIMS Kalyani Nadia, West Bengal, India

Dr. Neelima

Professor and Head

GIMSR GITAM deemed to be University

Visakhapatnam, Andhra Pradesh, India

Mrs. Sneha

Lecturer

Yogita Dental College and Hospital

Khed, Maharashtra, India

Dr. Shashirekha Govind

Professor and Head

Institute of Dental Sciences

Siksha O Anusandhan Deemed to be University

Bhubaneswar, Odisha, India

Dr. Navakanth Raju Ramayanam

Research Scholar

SRM College of Pharmacy

Kattankulattu, Tamil Nadu, India

Dr. Dake Rajesh

Director Medical Services

Vision Emergency and Multispecialty

Kakinada, Andhra Pradesh, India

Dr. Radhika Sherkhane

Professor and HOD Pharmacology

SDM College of Medical Sciences and Hospital

Dharwad, Karnataka, India

Dr. GVP Rao

Sr Consultant Cardiologist

Specialist in Interventional, Heart Failure and Rehabilitation.

Hridhayam Heart Clinic

Bengaluru, Karnataka India

Dr. Satish Kumar Sarankar

Professor & Principal

Mansarovar Global University

Sehore, Madhya Pradesh, India

Dr. Sarmistha Panigrahi

Consultant Anaesthesiologist

Apollo Hospital

Kakinada, Andhra Pradesh, India

Dr. Veena C N

Associate Professor

Dr Chandramma Dayananda Sagar Institute of Medical Education & Research

Ramanagar, Karnataka, India

Dr. Leena Bagadia

Visiting Professor

Smt. Chandaben Homeopathic College

Mumbai, Maharashtra, India

Dr. B. Sendilkumar

Dean & Director

School of Allied Health Sciences

VIMS Hospital Campus

Veerapandi, Salem, India

Dr. Anjitha Lakshmi R

Assistant professor in Pediatrics

SUT Academy of Medical Sciences

Vattapara, Trivandrum, Kerala, India.

Dr. Saravanan Thirumalai Thangarajan

Maxillofacial Prosthodontist & Public Health Consultant

Directorate of Medical Services

Chennai, Tamil Nadu, India

Dr. Zahoor Ahmad Parray

Postdoctoral Fellow

Indian Institute of Technology Delhi

New Delhi, India

Dr. Shikha Mathur

Professor

Mahatma Gandhi University of Medical Science and Technology

Jaipur, Rajasthan, India

Dr. Arpana Pareek

Professor

Smt. K. B. Abad Abad Homoeopathic Medical College

Chandwad, Nashik, India

Dr. Ashika Tanna

Consultant Physiotherapist

Marwadi University

Rajkot, Gujarat, India

CONTENTS

	Page No.
PART 1	
Chapter 1 THE PANTOEA SPECIES: AN EMERGING HUMAN PATHOGEN OF CONCERN.....	1-7
Chapter 2 ODONTOGENIC KERATOCYST-A TYPE OF BENIGN CYSTIC NEOPLASM/AGGRESSIVE CYST.....	8-13
Chapter 3 GUM HYPERTROPHY: AN ORAL MANIFESTATION OF HYPERTENSION THERAPY.....	14-17
Chapter 4 3D PLATES IN OMFS.A STUDY.....	18-28
Chapter 5 LASER THE LIGHT IN DERMATOLOGY, ADVANCEMENTS, AND LIMITATIONS - A REVIEW.....	29-36
PART 2	
Chapter 1 GASTRO-INTESTINAL MANIFESTATIONS OF DIABETES MELLITUS	37-46
PART 3	
Chapter 1 CHEMICAL STABILITY OF DRUGS.....	47-62
Chapter 2 HEALTH INFORMATICS: IMPROVING HEALTHCARE THROUGH DATA AND TECHNOLOGY.....	63-78
PART 4	
Chapter 1 HOMOEOPATHIC MANAGEMENT OF ADOLESCENTS HAVING ALCOHOLIC FATHERS BY UNDERSTANDING THEIR ADAPTIVE MECHANISMS.....	79-87
Chapter 2 SAVIOURS OF EXTREMELY PRETERM BABIES-HOW FAR WE ARE!	88-100

PART 5

Chapter 1 ADVANCES IN UNDERSTANDING CELLULAR MECHANISMS OF CARDIOVASCULAR COMPLICATIONS AND RETINOPATHY IN DIABETES: THERAPEUTIC POTENTIAL OF PHYTOCHEMICALS.....	101-124
Chapter 2 EMERGING TRENDS IN HEALTH HUMANITIES: EXPLORING THE INTERSECTION OF MEDICINE AND ARTS.....	125-130
Chapter 3 ROBOTIC SURGERY: THE FUTURE OF MINIMAL INVASIVE SURGERY.....	131-137
Chapter 4 APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN ORTHOPAEDICS: CURRENT AND FUTURE PERSPECTIVES.....	138-146
Chapter 5 MALARIA & DENGUE FEVER TOGETHER CURED BY HOMOEOPATHY - EVIDENCE BASED CASE.....	147-153
Chapter 6 FUTURISTIC TRENDS IN MEDICAL SCIENCES: HOMOEOPATHY - HOPE FOR HOPELESS.....	154-159
Chapter 7 SECONDARY METABOLITES AS POTENTIAL THERAPEUTIC AGENTS AGAINST PARASITIC INFECTIONS.....	160-172
Chapter 8 CONSERVATIVE MANAGEMENT FOR CONGENITAL SCOLIOSIS: A CASE REPORT.....	173-178
Chapter 9 QUALITY BEYOND ACCREDITATION.....	179-185



IIP Series is online, open access, peer-reviewed, interdisciplinary Journal. IIP Series provides a comprehensive solution for conferences and edited books that covers research topics across various scientific, technical, and medical disciplines. It aims at disseminating high-level research results and developments to researchers and research groups. It mainly focuses on presenting practical solutions for the current problems in Applied Sciences and Applied Social Sciences. It features original research work, reviews, case reports, tutorial papers, and accounts of practical developments.

Futuristic Trends in Medical Sciences

Volume 3 Book 3, 2024, IIP Series

ISBN : 978-93-6252-771-4



9 789362 527714