NUTRITION FOR SUSTAINABLE HEALTH

Dr. ANUPAMA KAUSHIK

Assistant Professor
Department of Home Science
Deen Dayal Upadhyay Gorakhpur University,
Gorakhpur, Uttar Pradesh, INDIA

Dr. RAJKUMARI

Subject Matter Specialist (Home Science)
Krishi Vigyan Kendra, Jalaun
Banda University of Agriculture and Technology
Banda, Uttar Pradesh, INDIA

NUTRITION FOR SUSTAINABLE HEALTH

Copyright© : Dr. Anupama Kaushik
Publishing Rights® : VSRD Academic Publishing

A Division of Visual Soft India Pvt. Ltd.

ISBN-13: 978-81-972449-1-9

FIRST EDITION, OCTOBER 2024, INDIA

Printed & Published by:

VSRD Academic Publishing

(A Division of Visual Soft India Pvt. Ltd.)

Disclaimer: The author(s) / Editor(s) are solely responsible for the contents compiled in this book. The publishers or its staff 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 Author(s) or Editor(s) or Publishers to avoid discrepancies in future.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the Publishers & Author.

Printed & Bound in India

VSRD ACADEMIC PUBLISHING

A Division of Visual Soft India Pvt. Ltd.

REGISTERED OFFICE

154, Tezab mill Campus, Anwarganj, KANPUR–208003 (UP) (IN) Mb:9899936803, Web: www.vsrdpublishing.com, Email: vsrdpublishing@gmail.com

MARKETING OFFICE

340, FF, Adarsh Nagar, Oshiwara, Andheri(W), MUMBAI–400053 (MH) (IN) Mb:9956127040, Web: www.vsrdpublishing.com, Email: vsrdpublishing@gmail.com

PREFACE

In an era where chronic diseases are on the rise and environmental challenges threaten our planet's future, the need for a holistic approach to nutrition has never been more critical. "Nutrition for Sustainable Health" emerges from this urgent intersection, offering a comprehensive guide to nourishing our bodies while respecting and preserving our environment.

This book is designed for anyone who seeks to understand the profound connection between what we eat and the health of both our bodies and our planet. Whether you are a health enthusiast, a parent wanting to provide the best for your family, or a professional in the field of nutrition, this book aims to provide valuable insights and practical strategies.

Our journey begins with the foundational principles of nutrition, delving into the essential nutrients and their roles in maintaining optimal health. We then explore the impact of modern dietary patterns on chronic diseases, offering evidence-based guidance on how to make healthier food choices. Each chapter is designed to empower you with knowledge and tools to make informed decisions that benefit not only your health but also the well-being of future generations.

As you embark on this journey through the pages of "Nutrition for Sustainable Health," I hope you will find the inspiration and practical guidance to transform your dietary habits. Together, we can pave the way for a future where health and sustainability go hand in hand; creating a world where both people and the planet can thrive.

With gratitude and hope,

∠ Dr Anupama Kaushik ∠ Dr. Rajkumari

ACKNOWLEDGEMENT

We humbly acknowledge and express our gratitude to God Almighty for His guidance, wisdom, and grace throughout this endeavor.

We would like to express my deepest gratitude to all the contributors who made this edited volume possible. Your insights, dedication and expertise have greatly enriched this work, and it has been a privilege to collaborate with each of you.

We extend our sincere thanks to the Editorial and Publishing teams for their tireless efforts in bringing this book in life. Their guidance and professionalism have been invaluable throughout the process.

Finally we are grateful to our family and friends for their unwavering support and patience as we undertook this project.

Editors

TABLE OF CONTENTS

1.	Sustainable Health and Its Components: A Global Perspective1
2.	Sustainable Diet: Global Dietary Transition for Biodiversity Conservation
3.	Bio fortification: A Sustainable Solution to Hidden Hunger and Malnutrition
4.	Popular Diet Trends and Our Health 52
5.	Lifespan Nutrition from Pregnancy to The Toddler Years
6.	Impact of Diet and Nourishment on Mental Health82
7.	Link Between Food and Mental Well-Being 96
8.	Nutritional and Psycho-Therapeutical Management for Mental Health105
9.	Ensuring Proper Nutrient Intake on a Plant Based Diet117
10.	Understanding the Addictive Nature of Fast Food: A Comprehensive Review138
11.	The Role of Sustainable Diets in Promoting Biodiversity Conservation153
12.	Nutrition Garden - A Promising Approach to Enhance Health Security165
13.	Kala Namak Rice- an Organic food and Mahaprsad of Buddha, With Special Reference to Good Nutrition and Sustainable Health 178

14.	Natural Antioxidants: The Key to Safe and Sustainable Living189
15 .	Millets: Super Food Bet for a Healthier Future201
16.	Nutritional Security through locally available Sri Anna (Millet)- Bajra213
17.	Millets: Power-House of Nutrients224
18.	Nutraceutical and Functional Foods: Possible and Sustainable Bridge Between Health and Food
19.	An Overview of Functional Foods and Nutraceuticals253
20.	Good Health and Wellbeing: Why it Matters?267
21.	Bio Fortification279