Next-Gen Nanomedicine for Breast Cancer: From Bench to Bedside and Beyond

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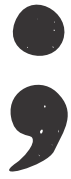

DeepScience

Published, marketed, and distributed by:

Deep Science Publishing
USA | UK | India | Turkey
Reg. No. MH-33-0523625
www.deepscienceresearch.com
editor@deepscienceresearch.com
WhatsApp: +91 7977171947

ISBN: 978-93-7185-714-7

E-ISBN: 978-93-7185-537-2

https://doi.org/10.70593/978-93-7185-537-2

Citation: Pal, R., Ghosh, B., Koli, M., & Dutta, P. (2025). *Next-Gen Nanomedicine for Breast Cancer: From Bench to Bedside and Beyond*. Deep Science Publishing. https://doi.org/10.70593/978-93-7185-537-2

Preface

It is with immense pride and gratitude that I present this edited volume, *"Next-Gen Nanomedicine for Breast Cancer: From Bench to Bedside and Beyond."* This book brings together the collective efforts of researchers, clinicians, and academicians working at the interface of nanotechnology and oncology, aiming to illuminate the path toward more effective, targeted, and patient-friendly therapeutic strategies for breast cancer.

The vision behind this book has always been to bridge the gap between fundamental research and clinical application. Nanomedicine has emerged as one of the most promising frontiers in modern science, and its role in revolutionizing breast cancer management cannot be overstated. Each chapter reflects the dedication and insight of experts in the field, offering readers not only cutting-edge scientific knowledge but also a glimpse into the future of personalized medicine.

This endeavor would not have been possible without the unconditional love, blessings, and encouragement of my family. I owe my deepest respect and gratitude to my father, **Mr. Nem Chandra Pal**, and my mother, **Mrs. Asha Devi**, whose sacrifices and values have always been my guiding light. My elder brother, **Mr. Ravi Pal**, and my younger brother, **Mr. Shivam Pal**, have been constant sources of strength, while my beloved sisters, **Ms. Prianka Pal** and **Ms. Subhanshi Vishwas**, have stood by me with affection and motivation throughout my journey. Their unwavering support continues to inspire me in every step I take.

I also wish to express my heartfelt appreciation to my co-editor, **Dr. Binita Ghosh**, whose expertise, commitment, and valuable insights have added remarkable depth and clarity to this book. Her contribution has been instrumental in shaping this work into a comprehensive and meaningful resource for readers.

Finally, I extend my gratitude to all the contributors whose scholarly efforts made this compilation possible, and to the readers, for whom this book has been carefully curated.

It is my hope that this work not only serves as a reference for ongoing research and clinical translation but also sparks new ideas that take nanomedicine "from bench to bedside and beyond."

Editors

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Km. Manju
Mr. Prottay Dutta

August, 2025

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