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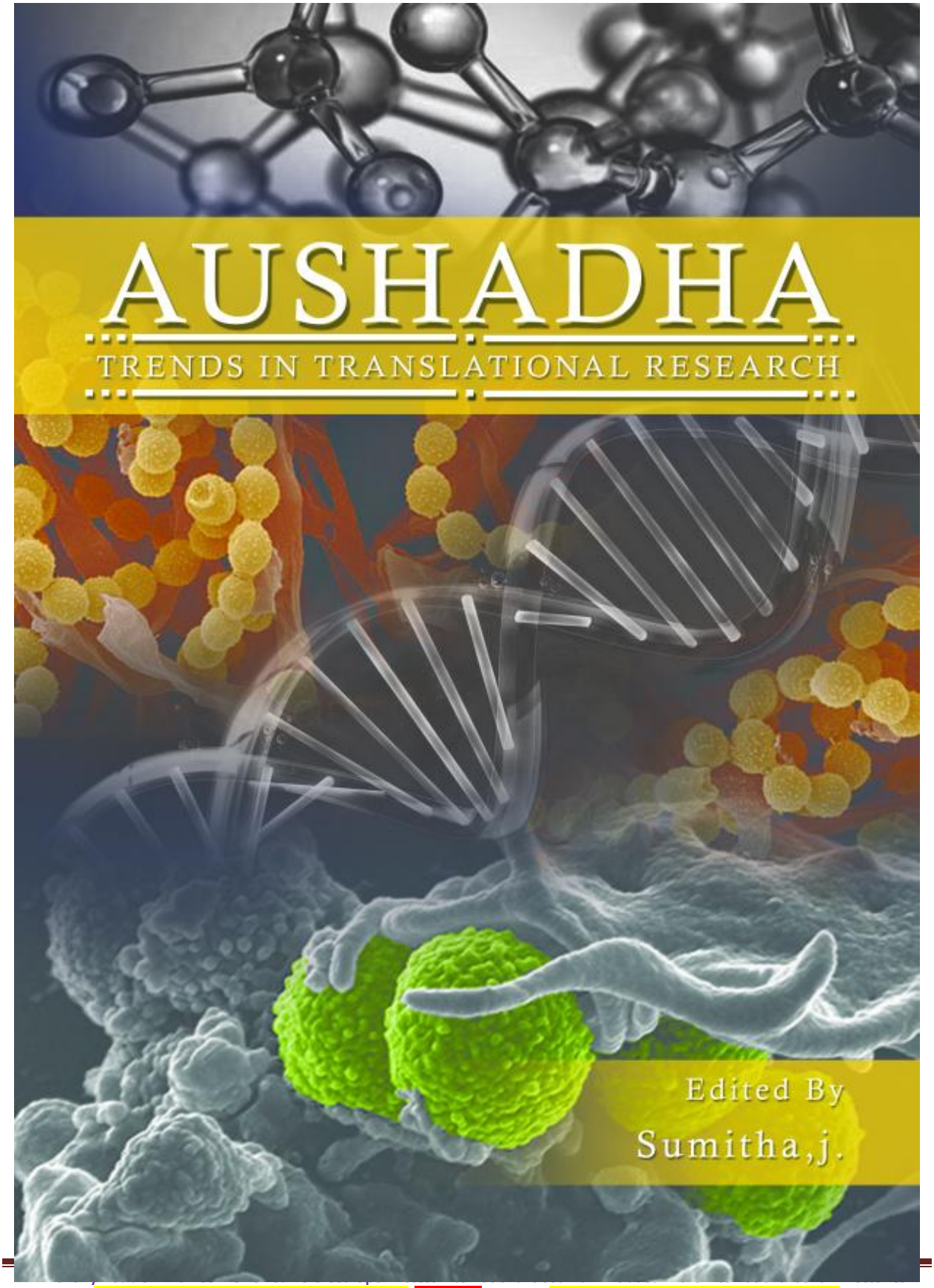
Aushada-Trends in translational Research



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Knowing is not enough; we must apply

Willing is not enough; we must do

-Goethe.

EDITOR-IN-CHIEF (Special Issue)

Sumitha Jagadibabu, Assistant Professor, Post Graduate Department of Microbiology, JBAS College for Women has 15 years of teaching and research experience in the field of Applied Microbiology. She has completed her Master's Degree in Microbiology from Bharathidasan University and is currently pursuing her research in the field of bioengineering. She has presented a multitude of research papers in various National and International Seminars and conferences and has published many research papers in National and International scientific journals.

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CO-EDITOR

Anuswedha Anandhan , Assistant Professor, Post Graduate Department of Applied Microbiology, JBAS College for Women has 10 years of teaching and research experience in the field of Microbiology. She has completed her Master's Degree in Medical Microbiology from Madras University and is currently pursuing her research in the field of infectious diseases and medicinal plants. She has presented numerous research papers in the National and International Conferences and has published many research papers in National and International scientific journals.

Dedicated to JBAS College for women, My Institution which helps me grow in every aspect

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PREFACE

It has been nearly twenty years since I started learning Microbiology, the two decades marked by extensive discoveries and developments related to the science of microbiology. In fact, the unconstrained number of inventions on this subject has reached heights during this time. Dealing with such an abundance of new information has, at times, been overwhelming. The impact of microbiology, whether it is emerging diseases, the roles of viruses in cancer, the development of new vaccines, drugs and bioengineered organisms or the use of microbes to clean up toxic wastes is ever demanding.

These discoveries and technologies in turn, have spawned entirely new sciences and applications and an explosion of new discoveries. So, as we look back over these past few years, one idea that rings even truer than ever is an observation made by the renowned microbiologist Louis Pasteur, about 120 years ago:

"Life would not long remain possible in the absence of microbes"

The purposefulness of microbiology will remain to overlook biology, medicine, ecology and industry for many years to come. Clearly, the more you learn about this subject, the better prepared you will be for personal and professional challenges, and to make contributions to the scientific community. The goal of this Special issue is to involve you in the relevance and excitement of microbiology and to help you understand the natural roles, structure and functions of microbes in the area of drug designing and bioengineering. This special issue encompasses translational research which harnesses the abundant knowledge from basic sciences to produce novel drugs and treatment strategies for the welfare of the society.

Sumitha J.

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My thanks are also due to **Mrs.Matheena Fassi and Mrs.M.Jabeen** for being my Mentors.A great thanks to my students,who are the REAL reason for who and what I am today.

Thanks Immense to my **family** who left me in peace to edit the whole issue **and Rithveek Srinivasan** who always been a stress-buster.

Sumitha.J