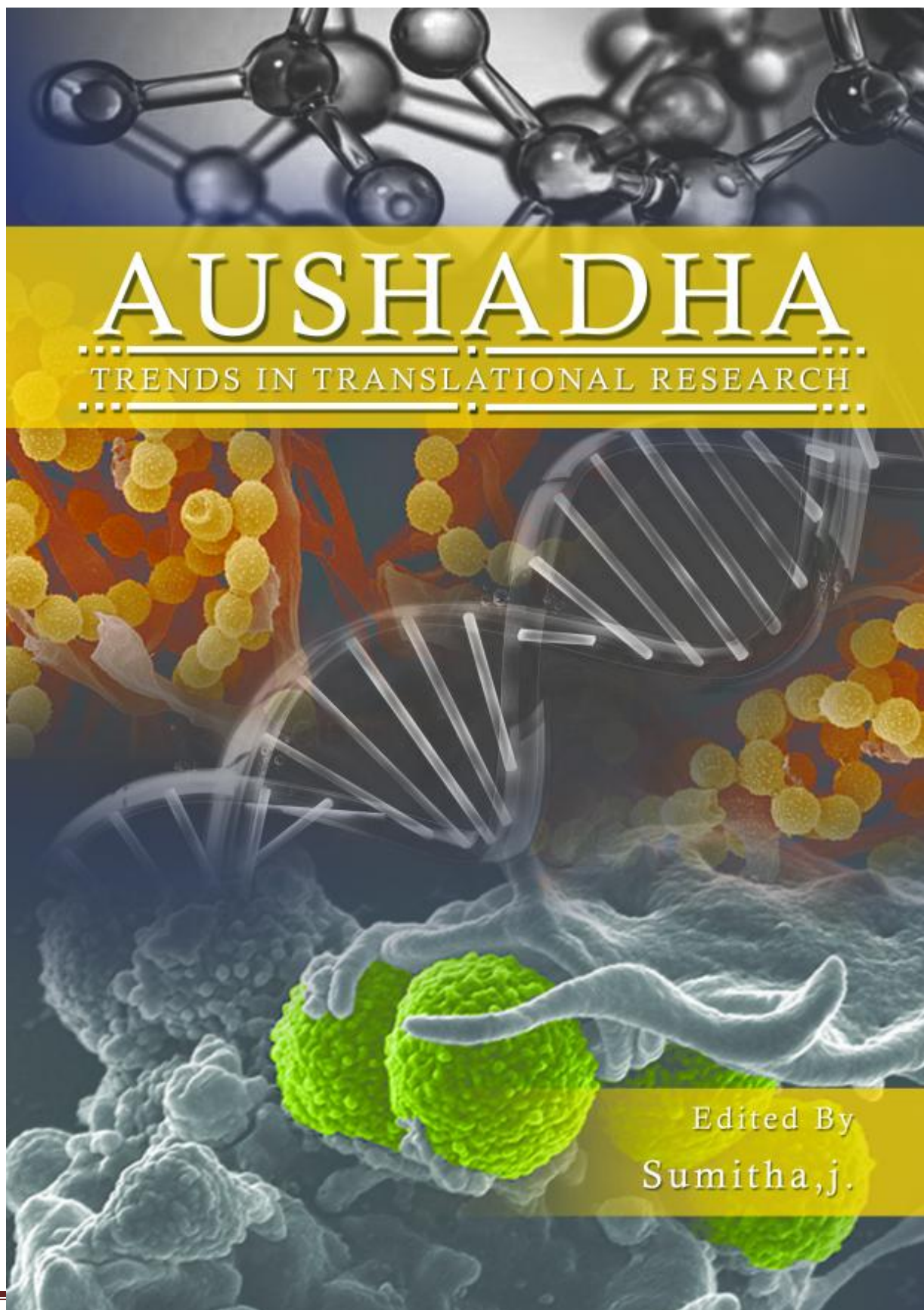


September
2015

IJESR Volume 3, Issue 9 **ISSN: 2347-6532**

Aushada-Trends in translational Research



Edited By
Sumitha, j.

Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gate as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

International Journal of Engineering & Scientific Research

<http://www.ijmra.us>

September
2015

IJESR Volume 3, Issue 9 **ISSN: 2347-6532**

Aushada-Trends in translational Research

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.

&

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**

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.

ACKNOWLEDGEMENT

I am indebted to the authors of the individual papers for their willingness to collaborate with me in the preparation of this special issue- *Aushadha-Trends in Translational Research*.

I like to express my sincere thanks to **C.Rathnavel** for his invaluable suggestions and advice in framing the issue.

I would also like to express my thanks to my friend **Pargavi.B, Malarvizhi.A** and my colleagues **S.Irfana Tabassum , S.M Shakira Begum** for their help and discussions held for this positive outcome.

My thanks are due to my friends **Bhuvanewari.S** and **Minimol.S** for being highly non-judgemental and supportive in whatever I take up. I also extend my hearty thanks to **Saranya.S** for being a support. This would be incomplete if I fail to thank my Co-Editor **A.Anuswedha** for being a real support and friend.

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

S.No.	Title of the paper	Author	P.No
1	Removal of Heavy Metals from Medicinal plants using Activated Carbon as Absorbents.	C.Rathanavel , P.Thillai arasu and J.Sumitha	<u>1-11</u>
2	Heavy Metals Removal from Medicinal Plants using Activated Carbon as Absorbents by spectral Method	C.Rathanavel , P.Thillai arasu and J.Sumitha	<u>12-22</u>
3	Biosynthesis , Characterisation & Antimicrobial Activity of Silver Nanoparticles from <i>Saraca acosa</i>	Merli Maman , Anchana devi C & Pushpa N	<u>23-32</u>
4	A Study on the Antifungal Activity of crude extracts of the Medicinal Mushroom <i>Ganoderma lucidum</i>	A. Anuswedha M. ,J.Sumitha, Jenifer Margret	<u>33-40</u>
5	The Haematological changes of fresh water Teleost fish <i>Cyprinus carpio var communis</i> exposed to acute Aluminium sulphate treatment.	R. Azhagu Senthil Radha and N.Nattuthurai	<u>41-49</u>
6	Antibacterial activity of Bacteriocin producing <i>Lactobacillus spp.</i> , from various milk samples.	R. Janani , S.Thenmozhi 1, A. Malarvizhi 1,	<u>50-59</u>
7	Prevalence of Extended Spectrum Beta lactamases (ESBLs) producing <i>Klebsiella pneumoniae</i> from Urine samples in Namakkal District	K.Nathiya , P. Muthammal , S.Thenmozhi,, B.T. Sureshkumar	<u>60-73</u>
8	In vitro activities of various extracts of <i>Drynaria quercifolia</i> ,(L) J.Smith	B.Pargavi & Sivakumar.T	<u>74-91</u>
9	Decolourising activity of laccase enzyme from <i>Trametes</i> sps against textile dyes	Reenaa.M and Sai Arpitha.S	<u>92-101</u>
10	Isolation, Optimization and Production of amylase from Microorganisms isolated from	M. Sri Ramani, A. Malarvizhi, S. Arul Sheeba Malar.	<u>102-115</u>

Aushada-Trends in translational Research

	kitchen waste contaminated soil samples		
11	A Comparative Evaluation of different media for the determination of Anticandidal efficacy of Essential oils.	S.M. Shakira Begum, A.Anu Swedha , J.Sumitha Vijayalakshmi.K	<u>116-123</u>
12	Phytochemical screening and wound healing activities of methanolic extract of <i>Basella alba</i> leaf and fruit formulated in a simple ointment base.	J.Suguna & K.Panneerselvam2	<u>124-138</u>
13	Optimisation of Physical parameters for maximal biodecaffeination with <i>Brevibacterium</i> .	Sumitha.J & Sivakumar.T	<u>139-147</u>
14	Effect of different Caffeine concentration on <i>Brevibacterium</i>	S. Irfana Tabassum & Sumitha.J, A.Anu Swedha	<u>148-153</u>
15	Antibacterial Efficacy of <i>Andrographis paniculata</i> and <i>Euphorbia hirta</i> against bacterial pathogens isolated from diabetic foot infections.	W.Parveen & P. Alagu Jothi Preethi	<u>154-164</u>
16	Phytochemical Screening and Antioxidant activity of <i>Costus speciosus(Koenig)</i>	Ramya.R & Dhamotharan.R	<u>165-173</u>
17	Herbal medicine in India -A Preliminary Review on Prevedic to British Period	M. Minimole and Dr. S. Subbalakshmi	<u>174-185</u>
18	A review on Translational Research- Genesis and future strategies.	Dhivya.V and Sumitha.J	<u>186-190</u>