## VOL. 16 (7), JULY 2021 RESEARCH JOURNAL OF BIOTECHNOLOGY

JOURNAL IS INDEXED IN SCOPUS, CHEMICAL ABSTRACTS, NAAS, UGC, WEB OF SCIENCE AND ESCI HAVING IMPACT FACTOR 0.233 GOD IS.

PRINT-ISSN 0973-6263

Ι

## E-ISSN 2278-4535

Research Papers.

## RESEARCH JOURNAL OF BIOTECHNOLOGY

An International Peer Reviewed Research Journal of Biotechnology, Nanotechnology, Biological Sciences *Res. J. Biotech.*, Volume 16(7), Pages 1-272, July 2021, SCI Impact Factor 0.233

Editor- in- Chief (Hon.)
Dr. Shankar Lal Garg
Indore, INDIA

Correspondence Address: **"Research Journal of Biotechnology"** Sector AG/80, Scheme No. 54, **Indore** 452 010 (M.P.) **INDIA** Mobile: +91-94250-56228

Web Site: https://www.worldresearchersassociations.com

E-mail: info@worldresearchersassociations.com

## CONTENTS

Research I apers.		
1.	<b>Identification of bacteria species in aquaponics system using RapID system and 16S rRNA sequencing</b> - Wong F.H., Lim L.H. and Teo S.S.	1-14
2.	<i>In vitro</i> evaluation of the anti-mycobacterial properties of the extracts of <i>Momordica Charantia</i> - Giftson Paul, Joseph Jerrine, Kalyanasundaram Revathy, Ramesh Kumar V. and Aruni Wilson	15-22
3.	<ul> <li>Microbial conversion of optically active (R) 3 Chloro-1,2-propandiol by <i>Clavispora lusitaniae</i> MGR5 KY209902</li> <li>Suresh Kumarasamy, Vasuki Selvaraj, Mathiyazhagan Narayanan and Muthusamy Ranganathan</li> </ul>	23-29
4.	<ul> <li>Production and purification of polyclonal anti-chicken IgY immunoglobulins in Goats and conjugation with Horseradish Peroxidase</li> <li>Navaneetha P., Anil M., Manasa M., Reddy N. Aparna, Reddy Ch. Satya Sagar, Krishna Satya A. and Rathnagir P.</li> </ul>	30-34
5.	<ul> <li>Optimization of medium components to improve the antimicrobial activity of a new Saharan actinobacterial strain <i>Saccharothrix tamanrassetensis</i> DSM 45947</li> <li>Bakour Keramane Leila, Boudjella Hadjira, Bouras Nouredinne and Mathieu Florence</li> </ul>	35-47
6.	Elucidation of the effect of concomitant administration of Metformin and Diclofenac Sodium on insulin resistance, pro-inflammatory cytokines and oxidative stress markers in <i>in vivo</i> models - Indu Rania, Adhikari Anjan, Sur T.K. and Basak Piyali	48-57
7.	<ul> <li>An Integrated Brain ECVT and EEG System for Epilepsy Imaging</li> <li>Edison Rizki Edmi, Ihsan Muhammad Fathul, Rohmadi Rohmadi, Pratama Sra Harke and Taruno Warsito Purwo</li> </ul>	58-63
8.	<ul> <li>Enhanced production of extracellular lipase by ethyl methane sulfonate from soil fungal strain in submerged and solid-state fermentation condition</li> <li>Chaudhary Priya, Sharma Arun Kumar and Janmeda Pracheta</li> </ul>	64-70
9.	Mix Grain Tempe from Soybean ( <i>Glycine max</i> ) and Jack Bean ( <i>Canavalia ensiformis</i> ) as a Precursor of Angiotensin Converting Enzyme Inhibitor - Sofiana Hesti Indra, Andriati Ningrum and Sri Anggrahini	71-78
10.	<ul> <li>Function of Serum Adenosine Deaminase as an Indicator of Immune Status in HIV Patients treated with Combination Antiretroviral Therapy</li> <li>Nikam Shashikant, Allannavar Sneha, Nikam Padmaja and Patil Giridhar</li> </ul>	79-83

11.	<ul> <li>Production and characterisation of thermostable alkaline protease from <i>Bacillus subtilis</i> isolated from LA hot spring, Terengganu</li> <li>Alias Maslinda, Che Harun Mohammad Hakim, Razali Nurul Ashraf, Saidin Jasnizat, Rasit Nazaitulshila, Mohd Zaideen Izyan Munirah and Hamzah Sofiah</li> </ul>	84-91
12.	<b>Xylanase production by halophilic bacterium</b> <i>Gracilibacillus</i> <b>sp. TSCPVG under solid state fermentation</b> - Poosarla Venkata Giridhar and Chandra T.S.	92-100
13.	<b>Studies on Genetic Diversity and Population Structure of Tasar Silkworm,</b> <i>Antheraeamylitta.Drury</i> - Renuka G. and Shamitha G.	101-113
14.	<ul> <li>Process Improvisation Strategies for the Enhancement of Lipase Activity</li> <li>Das Prama and Chattopadhyay Soham</li> </ul>	114-121
15.	Isolation and Characterization of Extracellular Enzyme (Glutaminase and Urease) producing Bacteria isolated from Soil Samples of Different Regions of Gwalior, Madhya Pradesh, India - Sharma Neha, Kaushik Shuchi and Tomar Rajesh Singh	122-129
16.	<b>Lignin peroxidase: Optimization of media for higher productivity by single factor optimization method</b> - Shukla Shruti and Padhiar Anjali	130-135
17.	<b>String Analysis to identify the Activity of</b> <i>Gyrinops versteegii</i> <b>derived Lauric Acid against Breast Cancer</b> - Hidayati Lisna, Ridwan Nur Fathurahman, Margiyanti Nova Eka, Ramadhani Anggia Noor, Wardana Taufik Adhi Prasetya and Nuringtyas Tri Rini	136-140
18.	<ul> <li>Assessment of polymorphism using RAPD in the generalized hemiparasitic plant <i>Helicanthes elasticus</i> (Desv.)Danser collected from six different hosts</li> <li>Ajithkumar T.G., Lizzy Mathew and Sunil Kumar K.N.</li> </ul>	141-149
19.	Computationally predicted virus responsive miRNAs in banana ( <i>Musa</i> AAB) - Mathew K.S.A., Athira Subramanian, Soni K.B., Swapna Alex, Sreekumar J. and Kiran A.G.	150-179
20.	<ul> <li>Identification of bioactive compounds and potential inhibitors for Breast cancer from <i>Musa sapientum</i> peel – An <i>in vitro</i> and <i>in silico</i> approach</li> <li>Sangavi P., Rajapriya R., Sannathul Firthous, Langeswaran K. and Gowtham Kumar S.</li> </ul>	180-196
21.	<b>Characterization of the hypothetical proteins of Human Papillomavirus DNA consensus sequence</b> - Jamkhedkar Suruchi	197-202
22.	Analysis of growth kinetics and colony-forming unit efficiency of human dental pulp stem cells cultured in	203-210
	different media and supplements - Chethan Kumar, Shetty Shishir, Kurkalli Basan Gowda, Shetty Veena and Mohana Kumar Basavarajappa	
Revi	ew Papers:	
23.	A short review of CD73 Role in Cancer - Farhad Hariri Akbari, Lucija Slemc, Mahdi Alizadeh, Mahnaz Hatami Fard and Peymaneh Shafaei	211-219
24.	A concise critique on Breast Cancer: A historical and scientific perspective - Manobharathi V., Kalaiyarasi D. and Mirunalini S.	220-230
25.	MAPK: A promising signaling pathway in targeted therapy for the treatment of NSCLC - Thirunavukkarasu Muthu Kumar and Karuppasamy Ramanathan	231-239
26.	<ul> <li>Plants as Potential Antimycobacterial Agents and their various Screening Methods</li> <li>Revathy Kalyanasundaram, Jerrine Joseph and Wilson Aruni</li> </ul>	240-248
27.	<ul> <li>Probiotics and its Applications: A Systematic Review</li> <li>Cyriac Rajath and Datta Riya</li> </ul>	249-254

28.	Biological Activities of Plant Polysaccharides, Mechanism of Action and Biomedical Applications	255-272
	- Govindarajan S. and Ayesha Noor	

**♦ EDITORIAL BOARD: P V ♦**