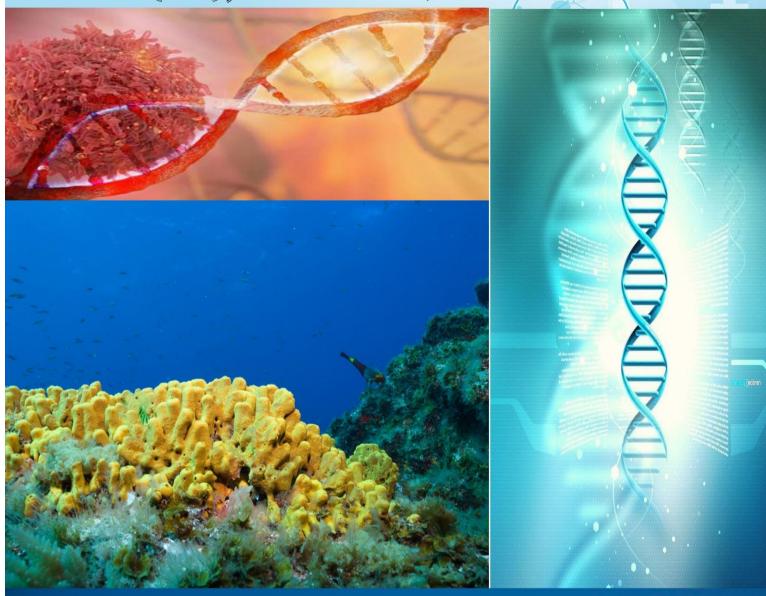
## RESEARCH JOURNAL OF BIOTECHNOLOGY

VOL. 17(12), DECEMBER 2022



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

E-ISSN 2278-4535 PRINT-ISSN 0973-6263

## RESEARCH JOURNAL OF BIOTECHNOLOGY

An International Peer Reviewed Research Journal of Biotechnology, Nanotechnology, Biological Sciences Res. J. Biotech., Volume 17(12), Pages 1-215, December 2022, 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

Rese	arch Papers:	
1.	Prevalence of Urinary Tract Infection among Women in Arar, Saudi Arabia - Alzahrani A.K., Basha W.J. and Kizilbash N.	1-5
2.	Identification of potential molecular players and therapeutic drug molecules in Melphalan resistant Multiple myeloma by integrated bioinformatics analysis - Ghosal Somnath and Banerjee Subrata	6-15
3.	Antimicrobial compounds produced by <i>Streptomyces</i> sp. VITGV01 against selected human pathogens - Veilumuthu P. and Godwin Christopher J.	16-28
4.	Isolation of prebiotics from wild vegetables: <i>In vitro</i> characterization by antioxidant assays and human adenocarcinoma cell line (HT-29)  - Nisar Akib, Aswani Mayur, Kamyab Sara, Moghe Alpana and Harsulkar Abhay	29-40
5.	Growth, development and thermal resistance of <i>Bacillus atrophaeus</i> spores using whey culture media - Santo Évellin do Espirito, Lenhardt Elizandra Hertel, Lousada Maria Eduarda Gonçalves and Ishii Marina	41-47
6.	In vitro Propagation of Curcuma caesia Roxb. via Bud Culture Technique and ISSR Profiling of the Plantlets for Genetic Homogeneity - Anjum Afreen, Singh Vikram, Adil Smriti and Quraishi Afaque	48-54
7.	Deciphering the association between adverse clinical outcome and patient co-morbidities in mucormycosis  – a fourteen year study from South India  - Gopinathan Anusha, Asokan Anisha and Vallonthaiel Archana George	55-60
8.	Bioconversion of isoeugenol to vanillin by bacillus firmus strain JAA1 - Alex Raveena Ann, Augustine Joel, Nair Ashish and Abraham Jayanthi	61-65
9.	The Allelopathic Effect of Mesquite ( <i>Prosopis juliflora DC</i> .) Aqueous Roots Extract on the Germination of Acacia varieties in Saudi Arabia - Moodi Saham Alsubeie	66-73
10.	Screening of strictocidine synthase and lysine decarboxylase gene involved in alkaloid biosynthesis in plants of Catharanthus rosea, Adathoda vasica and Wedelia trilobata - Lahare Rajeshwari Prabha	74-81
11.	Blood Flow through an Elliptical Stenosed Artery with the Heat Source and Chemical Reaction - Kumar Sumit and Kumar Surendra	82-90
12.	Identification of Photosynthetic Pigments extracted from <i>Phaeodactylum tricornutum</i> as High-Value Bioactive Compounds - Ozcan Ova D., Ata A. and Ovez B.	91-99

13.	GC-MS fingerprinting and <i>in silico</i> molecular interaction of antioxidant agents from A. <i>malabarica</i> as tyrosinase inhibitors	100-110
	- Suvathika Gnanaselvan, Sangilimuthu Alagar Yadav, Priya Manoharan Sowmya, Shanmugapriya Arumugam and Abinaya Krishnan	
14.	Pharmacological, phytochemical screening and evaluation of <i>in vitro</i> anticancer potential of traditional medicinal plant <i>Morinda umbellata</i> L. leaf extracts on human breast carcinoma MCF – 7 cell line - Anushya S. and Shanthi P.	111-117
15.	Bioactivity of Antheraea mylitta silk sericin: effect of the extraction process - Khanapure Sheela, Sherapura Ankith, Prabhakar B.T. and Vootla Shyam Kumar	118-125
16.	Anti-bacterial and anti-depressant properties of docosahexaenoic acid metabolites produced by gut bacteria - Kannan Visali, Anandan Rubavathi, Sudalaimani Dinesh Kumar, Srinivasan Shantkriti and Athiappan Murugan	126-147
17.	Effect of creatine and creatine lysinate on the in vitro cultivation and antioxidant potential of Stevia rebaudiana Bertoni and Leontopodium alpinum Cass - Miladinova-Georgieva Kamelia, Geneva Maria, Petrova Maria, Kirova Elisaveta and Vezenkov Lyubomir	148-158
18.	Biogas production potential from palm waste inSultanate of Oman - Al Rashdi Shabib Sulaiman Ali, Patil Ganesh, Al Balushi Noura Ali Moosa and Saravanan A.M.	159-164
Revi	ew Papers:	
19.	Realizing the New Reality: Machine Learning Curbing Antimicrobial Resistance in Cutibacterium acnes - Gupta Romasha, Dhawan Gagan, Kumar Bipul and Gautam Hemant K.	165-170
20.	Review on microbially synthesized nanoparticles: a potent biocontrol agent against Aedes species of mosquito  - George Jincy A., Dixit Sejal, Tinwala Saher, Thirumoorthy Gopishankar and Kuppusamy Alagesan Paari	171-189
21.	Recent Advances in engineering Corynebacterium glutamicum for production of Lysine - Kakara Divya, Ramesh Malothu, Muralidhara Rao Dowlathabad, Dheerendra Kumar Suman and Rajeswara Reddy Erva	190-206
22.	Action of Reactive Oxygen Species in Metabolic Diseases employed as Biomarkers of Oxidative Stress - Pootheri Aswathi, Lopez Wilner Martinez and Saraswathy Radha	207-215

❖ EDITORIAL BOARD: P IV ❖