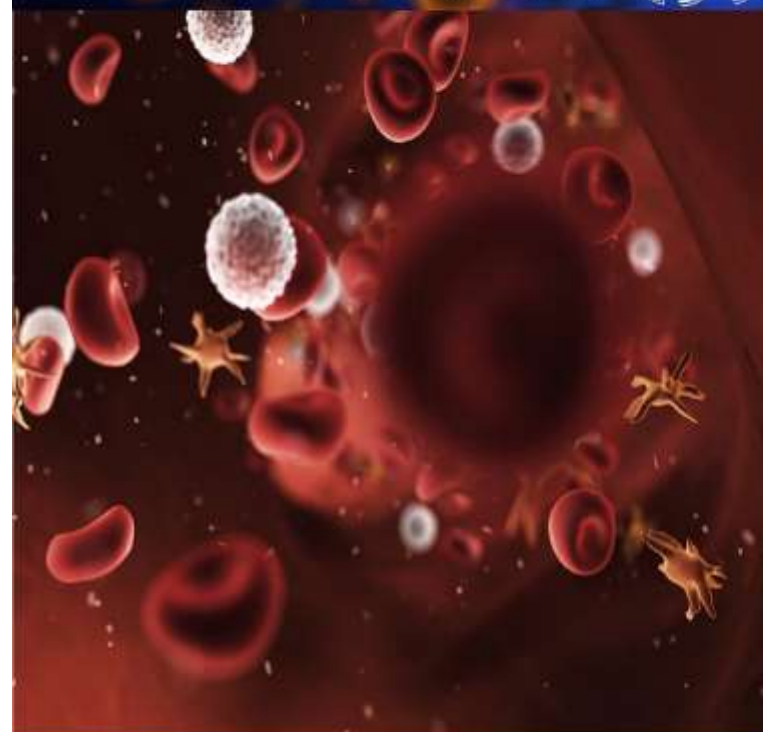




**RESEARCH JOURNAL OF
BIOTECHNOLOGY**

VOL. 16 (9), SEPTEMBER 2021



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

RESEARCH JOURNAL OF BIOTECHNOLOGY

An International Peer Reviewed Research Journal of Biotechnology, Nanotechnology, Biological Sciences
Res. J. Biotech., Volume 16(9), Pages 1-203, September 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 Papers:		
1.	Effect of pH and Salinity on Lactic Acid Production and Multiplication of Plantaricin Plasmid Genes of <i>Lactobacillus plantarum</i> COY 2906 isolated from Virgin Coconut Oil - Syaputri Yolani, Niwa Ryo and Iwahashi Hitoshi	1-9
2.	Isolation and Comparative Analysis of Culturable Cellulose degrading Gut Bacteria from a Coleopteran and Lepidopteran Insect - Msango Soko K., Bhattacharya R., Ramakrishnan B., Sharma K. and Subramanian S.	10-19
3.	Effect of nitrogen sources and surfactants on cellulase production by fungal strains under submerged cultivation - Verma Nitin and Kumar Vivek	20-29
4.	Impact of Vibroacoustic Sound Therapy on Dental Pain Relief - Acharya Shivani, Kiran Rao U., Gokhale Abhilash, Manjunatha, Madiyal Ananya, Joseph Bennet Elsa, Vaman Rao C. and Ravi M.S.	30-35
5.	Evaluation of rhizosphere Streptomyces for zinc solubilizing and plant growth promoting properties - Balakrishnan K., Radhakrishnan Manikkam, Gopikrishnan Venugopal, Thirumalairaj J. and Balagurunathan Ramasamy	36-47
6.	Production and characterization of vitamin B₁₂ from <i>Staphylococcus sp.</i> and its antimicrobial activity - Govindharaj Dhivyadharshini, Arumugam Nandakumar, Gunasekaran Pooranachandra and Rathinakumar Sakthiprabha	48-52
7.	Antioxidant capacity and flavonoids, triterpenoids, polysaccharides contents from aerial part and rhizome of <i>Homalomena pierreana</i> (Araceae) - Van Hong Thien, Tran Ngoc Buu, Nguyen Ngoc Thuan, Tran Gia Buu and Huynh Nguyen Tuong An	53-59
8.	High frequency organogenesis and plant regeneration in leaf and petiole explants of lettuce (<i>Lactuca sativa</i> L.), an important leafy vegetable - Sharma Shikha and Srivastava D.K.	60-68
9.	Population structure and gene flow analysis in novel chickpea germplasm to improve crop and its genetic base - Gangwar P., Shukla S. and Trivedi M.	69-79
10.	Elucidation of molecular drug targets of hypoglycemic drugs against human gut microbiota - Madhwal Aakanksha, Ghildiyal Tanmay, Bhatt Rishabh, Verma Devvret, Sharma Shubhi, Rai Nishant and Anand Jigisha	80-93

11.	SSR Markers associated with <i>Alectra vogelii</i> Resistance Gene in Cowpea [<i>Vigna unguiculata</i> (L.) Walp] - Ugbaa Macsmuel Sesugh, Omoigui Lucky Osabuohien, Gowda Bhavani Shinkar and Timko Michael Peter	94-101
12.	Purification and Characterization of Thermostable Alkaline Protease from <i>Exiguobacterium aurantiacum</i> ZBB 13 - Bagewadi Zabin, Desai Shivalingasari, Hungund Basavaraj, Muddapur Uday and A. Sharanappa	102-111
13.	Development of immunity against cotton leaf curl virus using antisense AC4 gene - Hashmi Faiz and Kumar Abhinav	112-116
14.	An insight on the effect of selected flavonoids from <i>Oroxylum indicum</i> in nucleotide binding domain of P-glycoprotein - Devarajan Shine and Gadewal Nikhil	117-125
15.	Bioactivity of three medicinal plants leaf aqueous extracts growing wild in Palestine - Abdallah Lubna, Abu jafar Amany, Faisal Asmaa, Jawabrah Basel, Abdullah Rahaf, Aydi Layla, Abu fara Sundus and Ajaj Wejdan	126-134
16.	Optimum process configuration for saline microalgae cultivation to produce high value products - Chaudry Sofia	135-138
17.	Evaluation of serum vitamin d and calcium in elderly population of north Karnataka region - Mudaraddi Rakesh, C.S. Madhu, Patil Vidya, Kulkarni Shreerang and Kaveeshwar Vishwas	139-144
18.	Novel phytobiotic – Clonasterol from <i>Moringa oleifera</i> leaves against Multi drug resistant <i>Staphylococcal aureus</i> - Chandrashekar Sangeeta, Vijayakumar Raman, Chelliah Ramachandran and Oh Deog-Hwan	145-154
19.	<i>Cladophora glomerata</i>, a newly emerging green alga, acting as a repository of potent antioxidant - Mridha Ankita and Paul Santanu	155-161
20.	Production of Exopolysaccharide and Hydrogen Cyanide by <i>Rhizobium</i> strains isolated from <i>Vigna mungo</i> cultivated in Rice fallows - Talamala Satyanandam, Kakumanu Babu, Gorrepati Rosaiah and Muvva Vijayalakshmi	162-167
21.	Desiccation studies in seeds of <i>Arenga wightii</i> Griff., an endemic vulnerable palm of Southern Western Ghats - Pillai Arun Rajendran, Siril Elenjikkal Avarachan and Sabu Kalluvettankuzhy Krishnannair	168-173
22.	A comparative study on the physical stability of shrimp feed post-supplement-incorporation by implementing biostatistical analyses - Bhoopathy Subashni, Inbakandan Dhinakaran, Rajendran Thirugnanasambandam, Chandrasekaran Kumar and Kallayil Athul Menon	174-179
Review Papers:		
23.	Optimization of CNN with LSTM for Plant Classification and Prediction - Tyagi Anuradha, Punj Deepika and Sethi Shilpa	180-188
24.	Oral Persisters: Cause and Concern - Kumari Swapna K., Dixit Sangita and Subudhi Enketeswara	189-197
25.	Paroxysm of eclampsia in pregnant women: pharmacology of intervening drugs - Gupta Jeetendra Kumar	198-203

❖ EDITORIAL BOARD: P IV ❖