RESEARCH JOURNAL OF BIOTECHNOLOGY Vol. 17 (8), August 2022



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

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(8), Pages 1-160, August 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 **Research Papers:** Protective effects of coenzyme Q10 nanoparticles on hepatotoxicity induced by monocrotophos in rats 1-8 1 - Kumar Amit, Singh Jagjeet, Phogat Annu and Kumar Vijay Association of C5L2 gene (rs149572881) polymorphism with risk of type 2 diabetes 2. 9-13 - Bala Kiran, Kumar Vikas, Kharor Neeraj and Singh Jasbir 3. Structural binding analysis of native and mutant Nomascus Acetyl CoA binding proteins using 14-19 in silico methods - Harish T.S. and Ramesh Babu P.B. Statistical optimization of cellulase production and its efficacy in hesperidin extraction from orange peel and 4. 20-31 bioethanol production from rice straw by simultaneous saccharification and fermentation - Ramalingam Kowsalya, Nandhi Prabhu, Murugan Rajamehala, Mookkandi Vijay Pradhap Singh and Selvaraj Karthikadevi 5. Optimization of PHB production utilizing agro-waste as a sustainable substrate by the native isolate 32-41 **Bacillus cereus** - Murugan Sriramani, Duraisamy Senbagam, Balakrishnan Senthilkumar Kumarasamy Anbarasu and Raju Amutha Chitinolytic activity of Streptomyces sanglieri TBG AG-28 isolated from Agasthyarkoodam region of 42-49 6. Western Ghats, Kerala - Anu S., Shiburaj S., Prabhakumari C. and Susha Dayanandan Dracaena cinnabari Methanolic Extract impairing Migration and inhibiting Growth of Nasopharyngeal 50-58 7. Carcinoma Cells through Induction of Intrinsic Apoptotic Pathway In Vitro - Ali-Saeed Rola, Shaghayegh Gohar and Alabsi Aied M. Exploration of antibacterial and antioxidant potential of a few members of the family Piperaceae 8. 59-69 - Sikdar Bratati, Raj Adarsha and Roy Sudipta 9. Evaluation of clinical, biochemical, chromosomal and micronuclei frequency in type II Diabetes Mellitus 70-77 patients: A case control study - Mekala S., Chandirasekar R., Uthayakumar V., Vasugi C. and Mathivanan R. Bone marrow invasion by cryptococcus in HIV infected patients with asymptomatic meningitis: a case 10. 78-81 report - Yadav P., Sen M., Srivastava J.K., Das A. and Chatterji T.

12.	Phytochemical Analysis of Leaf Extracts of Pimenta dioica(L.) and their in vitro Antioxidant and Cytotoxic	87-96
	Activity	
	- Resha Haneefa K., Nafila P.P., Servin Wesley P. and Akhila P.K.	
13.	Free Radical Scavenging Property and Nutraceutical Evaluation of Rubus niveus Fruit of Kumaun	97-102
	Himalayan Region, Uttarakhand	
	- Pandey Neelaxi, Pandey Aaditya, Tripathi D.M., Agnihotri Soumya and Bisht Satpal Singh	
14.	Screening of Used Engine Oil degrading Bacteria by 2-6 DCPIP Assay	103-107
	- Chandra K. and Joshi H.	
Review Papers:		
15.	Insight to Pseudomonas aeruginosa biofilms	108-115
	- Ruhal Rohit and Kataria Rashmi	
10		116 105
16.	Reversing Cell Aging - Understanding the Causes and Potential Remedies, a Current Perspective - Dixit Sejal, Manjunatha Chikkamagaluru Vaishnavi, Manoj Mohit and Sarojini Suma	116-125
	- Dixit Sejai, Manjunatha Chikkamagaturu Vaisimavi, Manoj Monit and Sarojim Suma	
17.	Gamma irradiation effects on crop plants	126-135
	- Yasmin K. and Arulbalachandran D.	
10		126 142
18.	Application of Bioinformatics resources for mining of simple sequence repeats (SSRs) marker in plant genomes: An Overview	136-143
	- Satpathy Raghunath	
19.	Trace elements and Immunity: A brief overview	144-150
	- Alanazi Samyah	
20.	Nicotine biodegradation and trafficking of its metabolites for the production of industrially significant	151-160
20.	compounds	131-100
	- Shakya Shubhra, Ambati Akshaya and Verma Mahendra Kumar	

♦ EDITORIAL BOARD: P IV ♦