



Volume-1
Issue-2
July-Dec-2023

*Scienxt Journal of
Biotechnology
&
Life Sciences*

S
J
B
L
S

SJ068

Editor - in - Chief

Dr. Ali Ammarellou

Assistant Professor, Department of Molecular Genetics, Research Institute of Modern Biological Techniques, University of Zanjan, University Blvd., 45371-38791, Zanjan, I. R. Iran

Email: amarlou@znu.ac.ir

Profile: <https://www.znu.ac.ir/members/ammarellou/en>

Editors

Dr. Yasser M. Shabana

Professor, Department of Plant Pathology, Mansoura University, El Gomhouria St, Dakahlia Governorate- 35516, Egypt

Email: ymsh@mans.edu.eg; yshabana@ufl.edu

Profile: <https://mymans.mans.edu.eg/cv/6e936962-f2f7-478f-a83f-3993121b16de/2>

Dr. Leonardo Martín Perez

Senior Researcher and Teaching Staff, Department of Environmental Microbiology and Applied Biotechnology Polytechnic University of Catalonia (UPC-Barcelona Tech), Carrer de Jordi Girona, 31, Les Corts, 08034 Barcelona, Spain

Email: leonardo.martin.perez@upc.edu

Profile: <https://futur.upc.edu/LeonardoMartinPerez>

Dr. Sagar Ananda Marathe

Assistant Professor, Department of Environmental Science, Somaiya Vidyvihar University/S K Somaiya College, Sarvoday, Buddh Vihar Marg, Vidyanagar, Vidya Vihar East, Vidyavihar, Mumbai, Maharashtra- 400077, India

Email: Sagar.marathe@somaiya.edu

Profile: https://sksc.somaiya.edu/en/view-member/310156?type=faculty#past_records

Dr. Ramendra Pati Pandey

Associate Professor, Department of Biotechnology/Microbiology, School of Health Sciences and Technology (SoHST), UPES, Dehradun, Utrakhand-248007, India

Email: ramendra.pandey@ddn.upes.ac.in

Profile: <https://www.rstmh.org/about-us/who-we-are/global-assessors/dr-ramendra-pati-pandey>

The Publisher

Scienxt Center of Excellence (P) Ltd

Plot No: 4, Institutional Area, Sector-16A,
Noida Uttar Pradesh- 201301

Tel: +91-120-4242448

M: +91-7428578883

E-mail: info@scienxt.com

Printer: Amit Prints, No: D-341, Sector-10, Noida, UP

Managing Editor

Dr. Shashikant Pattan

Plot No: 4, Institutional Area,
Sector-16A, Noida

Uttar Pradesh- 201301

Tel: +91-120-4242448

M: +91-7428578881

E-mail: editor@scienxt.com

Copyright @ Publisher

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including, photocopying, recording or by any other methods without the permission of the publisher. The articles published in this Journal/Issue are the authors' opinions, creations, or products. The publisher has taken utmost care to produce in readable form and circulate/sell to interested parties to reach far and wide. All the terms and conditions shall be governed by Indian laws concerned to publication. Any disputes relating to these terms and conditions shall be subject to the jurisdiction of the Noida UP, courts of India.

Contents

1. Bio-degradable pads using materials such as banana fiber: An overview

Sagar K. G

1-14

2. Aquatic host microbiome & pathogen defence interactions between arthropods and microorganisms

Vikram Badgajar
Prema Shilvate
Mujahid Anwar Sikhri

15-22

3. Survey on food safety and hygienic in bakeries of prayagraj and the microbial load of selected baked food products

Sonal Keserwan
Janne Claryn Benjamin

23-32

4. Application of bromelain enzyme in cosmetics using pineapple peel

Saleth Martina. J

33-58

5. Weed management in rice-based crops and mustard crop performance

Dhruba Kamal Mazumder
Gunabhiram Joy

59-72

Managing Editor's Desk

I am feeling very proud to dedicate Sciext Journal of Biotechnology & Life Sciences to the teaching community of our country. I believe that education and knowledge change one's perspective of life. It changes and enhances the lifestyle and quality. Any small efforts taken in this regard give me immense pleasure.

Biotechnology & Life Sciences is considered one of the new and ever-evolving sciences and continually expands in all the domains of life sciences. With this rapid growth, there is a need for improvement in every field. And I feel it is likely to continue as long as there is a need for understanding and taking care of all the living beings.

This journal is an Endeavour of Sciext group and is committed to excellence in Biotechnology & Life Sciences education. It will be released Biannually with high-quality content related to contemporary research, articles, documents and book reviews useful to the Biotechnology & Life Sciences fraternity. I hope this journal provides a forum for the International Biotechnology & Life Sciences Community to present and discuss matters of major interest and new developments in Biotechnology & Life Sciences.

Sciext Journals are peer-reviewed open access/ print/ online journals. Various specialised subject areas of focus and scope are Science, Technology, Engineering, Management, Healthcare and different areas of Humanities. We aim to publish high-quality research articles that create impact and ensure sustainability, which will create a better future for the next generation.

With roots in publishing technical and competitive books, the sciext team understands the need for quality publication of advanced science, technology and health care today. We are proud to be associated with various scientific and scholarly societies and associations, researchers, research institutes and universities across all subject areas around the globe in achieving excellence.

We are a dedicated team of educationists, technocrats, and entrepreneurs with vast experience in various fields. Eminent educationists, industrialists, philanthropists, bureaucrats and scientists around the globe guide the team as advisory and editorial board members. Our collective goal is to promote the use of research facilities for community welfare and technology growth.

In this endeavor, I seek your contributions/participation in whatever capacity. The entire team of Sciext Journals will be looking for your regular advice, guidance and support as we navigate. We are confident that you would make a valuable suggestion, contribute to the journal, positively impact the research community and bond people with similar interests.

Let's join hands together and work towards discovering science for next-generation-SCIENXT!!

Dr. Shashikant Pattan
Managing Editor

About the Journal

Journal Particulars	
Title	Scienxt Journal of Biotechnology & Life Sciences
Frequency	Bi-Annual (January-June)
Publisher	Scienxt Center of Excellence(P) Ltd
Chief Editor	Dr. Ali Ammarellou
Copyright	@Scienxt Center of Excellence(P) Ltd
Starting Year	2023
Subject	Biotechnology & Life Sciences
Language	English
Publication Format	Print + Online
Phone No	742857881, 742857883
Email Id	info@scienxt.com
Website	https://scienxt.com/sjbls/
Address	Scienxt Center of Excellence(P) Ltd, Plot No-4, Institutional Area, Sector-16A, Noida, Uttar Pradesh-201301

SJBLs-Scienxt Journal of Scienxt Journal of Biotechnology & Life Sciences, double-blind peer-reviewed journal, disseminates the most recent findings and innovations in various fields of Scienxt Journal of Biotechnology & Life Sciences in the form of Original Research, Reviews, Case Studies, Opinions, etc. Journal maintains a Quick Publication process with strict peer review to enhance the quality of content. Every submitted manuscript undergoes peer review by the subject matter experts under the supervision of the Editor-in-Chief or assigned Editorial Board member of the Journal.

The SJBLs Journal also publishes conference proceedings.

Scope & Focus

The Scope & Focus of the journals are as follows but not limited to the following topics- Bioprocess engineering, Bacteriology, Protozoology, Plant biochemistry, Microbiology, Biochemical Genetics, Animal Biotechnology, Agricultural Biotechnology, Plant-based biotechnology, Biorefinery, biomass engineering, Biochemical enzyme/protein engineering, Clinical Biochemistry, Food Biotechnology, Genetic engineering and cloning, Bioenergy; Natural Product Synthesis, Tissue Engineering; Tissue Regeneration and Stem Cells, Nano biotechnology and Biomaterials, 3D Culture Organoid or Sphenoid Models, Industrial Scale of Biotechnology, Biopharmaceuticals, and Biocatalysis.

You can submit your manuscript(s) on info@scienxt.com

Price per Volume

	<u>Quarterly</u>	<u>Annual</u>
Institutions	Rs. 1040/-	Rs. 2800/-
Individuals	Rs. 850/-	Rs. 2450/-
Abroad	US\$. 150/-	US\$. 350/-

**You may send your order Payment through
 RTGS/NEFT/IMPS /Net Banking/DD/Cheque**

Account Name: Scienxt Center of Excellence (P) Ltd

Bank Name: HDFC; Account No: 50200075331949; IFSC: HDFC0000088

