

# International Journal of Innovation and Multidisciplinary Research (IJIAMR)

Centre for Multidisciplinary Research, Innovation & Entrepreneurship







### Published by:

IJIAMR, Centre for Multidisciplinary Research, Innovation & Entrepreneurship Shaheed Rajguru College of Applied Sciences for Women University of Delhi Delhi, India

© IJIAMR, Centre for Multidisciplinary Research, Innovation & Entrepreneurship, SRCASW, Delhi All rights reserved.

Volume 1 Issue 1 January 2022

Every possible effort has been made to ensure that the information in this Journal is accurate. IJIAMR, Centre for Multidisciplinary Research, Innovation & Entrepreneurship, SRCASW, Delhi assumes no responsibility for the statement or opinions expressed by the author. No responsibility for loss/damage caused to any person as a result of the material in this publication can be accepted by the editor, or publisher of the Journal.



## **Editorial Board**

#### Chief Editor:

**Prof. Payal Mago**, Director, COL, University of Delhi and Principal, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi

#### **Managing Editors:**

- **Dr. Projes Roy**, Librarian, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Twinkle Kumar Sachchan**, Department of Food Technology, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Smita Sundaram**, Department of Environmental Studies, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi

#### Associate Editors:

- **Dr. Ranjana Singh**, Department of Food Technology, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Monika Tyagi**, Department of Electronics, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Manisha Khatri**, Department of Biomedical Science, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Ms. Urmil Bharti**, Department of Computer Science, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Kohinoor Kaur**, Department of Microbiology, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- Dr. Yogesh Pratap, Department of Electronic Science, University of Delhi, South Campus, New Delhi
- **Dr. Tarun Kumar**, Department of Biochemistry, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Sandeep Mishra**, Department of Statistics, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Nupur Gosain**, Department of Psychology, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- Mr. Piyush B. Chaudhary, Department of English, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- Mr. Rituraj Anand, Department of English, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi
- **Dr. Rajdeep Singh**, Department of Management Studies, Shaheed Rajguru College of Applied Science for Women, University of Delhi, New Delhi

#### **Editorial Board Members:**

- **Dr. Abhigyan Satyam**, Director, Bioengineering Program, Division of Rheumatology and Clinical Immunology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston
- Dr. Andrea Harckova, Comenius University in Bratislava, Šafárikovonámestie 6, Bratislava 1

- **Dr. Anna Novotna**, Institute of Computer Science, Faculty of Philosophy and Science in Opava, Silesian University in Opava, Bezrucovonam. Opava
- **Dr. Ritu Kohli**, Department of Political Science, Maharaja Agrasen College, University of Delhi, New Delhi
- **Dr. Vandana Mishra**, Centre for Comparative Politics and Political Theory, School of International Studies, Jawaharlal Nehru University, New Delhi

#### **Advisory Board Members:**

- Prof. Tanuja Aggarwal, Faculty of Management Studies, University of Delhi, New Delhi
- **Prof. Anu Aggarwal**, Department of Operational Research, Faculty of Mathematical Sciences, University of Delhi, New Delhi
- **Dr. Kamil Matula**, Silesian University in Opava, Faculty of Philosophy and Science in Opava, Institute of Informatics, Bezručovo náměstí, Opava

#### Submission of Manuscript:

Original research works, review articles, original articles, short communications and brief report may be submitted to: "International Journal of Innovation and Multidisciplinary Research (IJIAMR)" ijiamr@rajguru.du.ac.in with details as Name, designation, Department, name of Organization, Postal Address, Contact Mobile no. and email Id of Author and Co-authors as well.

#### **Journal Subscription Rates:**

Category	Annual	Single Copy
Institutional (India)	INR 1500/-	INR 750/-
Individual (India)	INR 750/-	INR 500/-

Send your subscription through online Payment to "Principal, Shaheed Rajguru College of Applied Sciences for Women Students Society", Bank Name: IDBI Bank, A/C No.:0877104000035389, IFSC Code: IBKL0000877.

Subscription/Membership form may be downloaded from the college website: https://www.rajguru college.com/Journal-IJIAMR

# **Table of Contents**

	Editorial Prof. Payal Mago	
	Special Commentaryvii Dr. S. Lakshmi Devi	
1.	Knowledge Management Database on Agricultural Information in Select Institutions of Indian Council of Agricultural Research: A Comprehensive Study Khushboo Thakur and Projes Roy	
2.	Phytochemical Screening, Estimation of Phenolic, Flavanoid, Ascorbic	
3.	Covid Second Wave and Psychological Wellbeing: Exploring Determining Factors15  Mahima Verma and Nupur Gosain	
4.	3 D Food Printing and Its Applications: A Review	
5.	Edible Mushrooms: Nature's Superfood for Health and Well being4 Kohinoor Kaur, Richa Sharma, Isha Srivastava, Simran Kaur and Rekha Mehrotra	
6.	Bamboo Shoot: A Traditional Indian Superfood from Northeast	
7.	Autocertigen: Revolutionizing the Automation of Electronic	
8.	Potential of Underutilized & Neglected Local Fruits of Uttarakhand – A Review74 Priyanka Kataria, Ananya Bhardwaj, Tanishka Rathore, Rakhi Thakur and Ranjana Singh	
9.	A Study to Collate the Physical Parameters and	
10.	From Representation to Re-Presentation: A Study of Disability in Literature & Cinema89 Kanika Gupta and Rituraj Anand	
11.	Date Palm Seeds: An Agro-Waste Product to be	
12.	RO Purifier: Working and Health Implications	

## **Editorial**

Ray Dalio, an American investor and hedge fund manager, said that, "The greatest gift you can give someone is the power to be successful. Giving people the opportunity to struggle rather than giving them the things they are struggling for will make them stronger." Here at the International Journal of Innovation and Multidisciplinary Research (IJIAMR), we give the "opportunity to struggle," by providing a platform for students, scholars, researchers and academicians.

International Journal of Innovation and Multidisciplinary Research (IJIAMR) is a peer-reviewed multidisciplinary journal, which publishes research articles four time a year.

The call for papers was declared far and wide, and received enormous contribution. After going through a rigorous peer-review process, we have short-listed 12 articles comprising of articles from multi-disciplinary areas. These research articles range from advantages, challenges and issues related to Library Information Sciences, Biological Sciences, Social science, Food Sciences, Information & Data Sciences, Language & Literature, Environmental Studies to Arts & Humanities in the current context.

International Journal of Innovation and Multidisciplinary Research (IJIAMR) believe in the incredible potential that the youth hold. It is crucial to promote good researches and induce a research temperament among them. Our objective is to make the publication processes for the new researchers easy and pave a way for them to move towards a holistic research environment where they may freely do researches and be read widely.

The ultimate objective of International Journal of Innovation and Multidisciplinary Research (IJIAMR) is continue publishing high quality research articles that addresses to various topics and issues; and provides new horizons to different disciplines.

In the subsequent issues of International Journal of Innovation and Multidisciplinary Research (IJIAMR), we will be bringing in more multi-disciplinary research articles covering both the aspects of information and management etc. We are sure that readers will enjoy reading the articles and also contribute to the journal substantially in the future issues.

**Prof Payal Mago** *Editor-in-chief* 

**IIIAMR** 

# **Special Commentary**

am very happy that the Shaheed Rajguru College of Applied Sciences for Women is launching its own journal "International Journal of Innovation and Multidisciplinary Research" (IJIAMR). I am sure this journal will be sought after by academicians who would like to publish their papers in diverse fields. The uniqueness of the journal lies in the fact that firstly, it is multidisciplinary in nature; secondly, it also calls for papers wherein people have done some innovation in their own field of study or brought about some innovation in the society; and thirdly, it is also going to take care of small new research projects which someone may have carried out that can be published as a small communication. Therefore, this journal will encourage the researcher, the teacher who may have done some innovation in teaching as well as entrepreneurs who may have some innovation which one can share on this platform. The idea that review articles will also be published is very encouraging for the students and teachers and it can be used by teachers for teaching purposes and by the students to update themselves. Further, an inhouse journal will also create a research ecosystem in the college.

I look forward to the varied kinds of papers, review articles and innovations which will be published in the quarterly journal as I am sure it will attract the educationists for interesting reading.

Best wishes for the new Journal.

#### Dr. S. Lakshmi Devi

Hony. Director
Centre for Entrepreneurship and Career Oriented Programs
Founder Principal
Shaheed Rajguru College of Applied Sciences for Women
University of Delhi