



National Conference Proceedings on Computing, Communication, Control, Informatics and Bio-Sciences



- Dr. Brajesh Varshney
- Dr. Neeraj Mishra
- Dr. Rahul Umrao
- Dr. Vivek Srivastava

 **KIT** Estd. 2004
ISO 9001:2015 CERTIFIED
KANPUR INSTITUTE OF TECHNOLOGY KANPUR



National Conference Proceedings on Computing, Communication, Control, Informatics and Bio-Sciences (NC⁴IB)

First Volume

Editors

Prof. (Dr.) Brajesh Varshney

Dr. Neeraj Mishra

Dr. Rahul Umrao

Dr. Vivek Srivastava



Title of the Book: National Conference Proceedings on Computing, Communication, Control, Informatics and Bio-Sciences (NC⁴IB)

First Volume: 2024

Copyright 2024 © Authors

Prof. (Dr.) Brajesh Varshney, Director, Kanpur Institute of Technology, Kanpur.

Dr. Neeraj Mishra, Dean Academics, Kanpur Institute of Technology, Kanpur.

Dr. Rahul Umrao, Professor & Head, Department of EC/EN, Kanpur Institute of Technology, Kanpur.

Dr. Vivek Srivastava, Professor & Head, Department of Mechanical Engineering, Kanpur Institute of Technology, Kanpur.

No part of this book may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owners.

Disclaimer

The authors are solely responsible for the contents published in this book. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are requested to communicate such errors to the editors or publishers to avoid discrepancies in future.

ISBN: 978-93-5747-649-2

E-ISBN: 978-93-5747-361-3

MRP: 580/-

Publisher, Printer at & Distributer:

Selfypage Developers Pvt Ltd.,
Pushpagiri Complex,
Beside SBI Housing Board,
K.M. Road Chikkamagaluru, Karnataka.
Tel.: +91-8861518868
E-mail: info@iipbooks.com

IMPRINT: I I P Iterative International Publishers

For Sales Enquiries:

Contact: +91- 8861511583
E-mail: sales@iipbooks.com

Preface

The *National Conference on Computing, Communication, Control, Informatics, and Bio-sciences (NC4IB)*, held on **3rd February 2024** organized by **Kanpur Institute of Technology**, Kanpur, provided an exciting and dynamic platform for researchers, academicians, industry experts, and students to come together and explore the cutting-edge advancements across a diverse range of multidisciplinary fields. This conference served not only as a forum for the exchange of knowledge and ideas but also as an occasion to foster collaboration and innovation in the areas of computing, communication, control systems, informatics, and bio-sciences.

The overwhelming response to **NC4IB**, with a remarkable **137 paper** submissions from renowned institutions and universities, is a testament to the growing significance of these fields in addressing global challenges and shaping the future.

After rigorous peer review by a distinguished panel of experts, **75 full-length papers** were selected for publication, contributing to the academic and scientific discourse in these areas. In addition, **49 abstracts** were presented, providing a glimpse into the broad spectrum of research topics that continue to advance these dynamic fields.

The conference was inaugurated by our esteemed **Director, Prof. (Dr.) Brajesh Varshney**, who highlighted the importance of interdisciplinary research and innovation. His inaugural address set the tone for the event, emphasizing the role of technology in shaping the future of various sectors. The morning session featured a keynote address by **Prof. A. R. Harish from IIT Kanpur**, who shared his expertise on the latest developments in electronics, offering valuable insights into the emerging technologies in this ever-evolving field.

In the afternoon, **Sri Vipul Jain**, a distinguished member of the **Institute's management**, delivered an inspiring speech, emphasizing the importance of nurturing talent and promoting scientific research at all levels.

Prof. Kantesh Balani, from IIT Kanpur, followed with an engaging keynote on the **future of bio-sensors and materials**, shedding light on how these technologies are **revolutionizing healthcare, environmental monitoring, and other critical areas**.

This conference proceedings is a reflection of the **collective intellectual effort** that made NC4IB an exceptional event. We are confident that the **research presented here** will continue to **inspire and inform** the ongoing developments in **computing, communication, control, informatics, and bio-sciences**. We extend our **sincere thanks** to all **keynote speakers, authors, and participants**, whose contributions have been invaluable in making this conference a success. It is our hope that these proceedings will serve as a **significant resource** for researchers, educators, and practitioners striving to advance **knowledge and innovation** in these critical fields.

The event concluded with a certificate distribution ceremony and the felicitation of our esteemed guests. **Prof. Brajesh Varshney** delivered the vote of thanks, expressing heartfelt gratitude to all contributors, participants, and sponsors for their role in making the conference a success. The occasion was further enhanced by a vibrant cultural program, which highlighted the talents of our students and added a personal, memorable touch to the event.

We trust that this study will serve as a catalyst for future research and inspire novel contributions from the academic community.

Prof. (Dr.) Brajesh Varshney
Dr. Neeraj Mishra
Dr. Rahul Umrao
Dr. Vivek Srivastva
Editors of NC4IB

Contents

Chapter Title	Page. No
BIOTECHNOLOGY	
A Comparability Study of the Reversible Contraceptive affects of <i>Withania somnifera</i> Compounds Withaferin-A and Withanolide-A in Male Albino Rats ----- <i>Ashish Ranjan Singh, Neeraj Mishra, Ritu Kumari, Anshul Nigam, Aman Pratap</i>	1-8
Renewable Revolution: A Comprehensive Review of analyzing India's Path to Green Energy and its Dual Impact on Environment and Economy ----- <i>Ayush Anand Srivastava, Nitish Kumar Roy, Ashish Ranjan Singh, Uma Gupta</i>	9-14
Systematic exploration of stem cell-based strategies in oncology: A Comprehensive Review on Cancer Therapeutics ----- <i>Insha Fatima, Abhilasha Gautam</i>	15-19
Comparative Studies between Antiseptics Available in the Local Market ----- <i>Deepika Mishra, Durgesh Kumar, Shikha Singh, Dipika, Ritik Patel, Dr. Anshul Nigam</i>	20-25
Micropollutants and its Impact on Marine and Aquatic Life and Ecosystem ----- <i>Prachi Upadhyay, Riya Yadav, Mahak Dixit</i>	26-29
Exploring the Potential of Biofuels: An In-depth Analysis of Bioethanol, Biodiesel, Biogas and Bio-oil ----- <i>Sushant Shekhar, Jay Vishnoi, Abhilasha Gautam</i>	30-35
Air Quality Crisis in Indian Metropolises: A Comprehensive Review on Health Impacts and Mitigation Strategies for Sustainable Improvement ----- <i>Anshika Devi, Shubhi Sharma, Ashish Ranjan Singh, Uma Gupta</i>	36-41

Development of a Novel Genetic Screening Technique for Identification of Growth Control Genes in Drosophila ----- <i>Anshul Nigam, Ritu Kumari Singh, Aman Pratap Singh, Ashish Ranjan Singh</i>	42-46
Navigating Medical Challenges: A Comprehensive Review of Current Trends in Harnessing Nanotechnology for Chronic Disease Management ----- <i>Ritika Tripathi, Adarsh Maurya, Inderjeet Kour Ashish Ranjan Singh, Uma Gupta</i>	47-52
Herbal Solutions to Modern Challenges: Evaluating the Efficacy of Herbal Antibiotics in India's Battle against Drug-Resistant Pathogens ----- <i>Surbhi Kumari, Trdiba Nanda Paul, Alok Kumar, Ashish Ranjan Singh, Uma Gupta</i>	53-58
Electronic Skin: A Comprehensive Review on the Advancements and future catch for Health Surveillance, Robotics, and Prosthetics. ----- <i>Ishitta Sarkar, Neeraj Mishra, Ritu Kumari Singh, Abhilasha, Anshul Nigam, Aman Pratap Singh</i>	59-69
Synthesis of Carbon Quantum dots from Waste Peel Extracts of Citric Fruit ----- <i>Vishal Dubey, Mukund Jee Tiwari, Shivam Kumar, Istakhar Ansari, Ritu Kumari Singh</i>	70-74
Nanotechnology for Sustainable Development of India: Revolutionizing Industrial Progress and Improving the Economy and Human Health, A –Review ----- <i>Harshita Patel, Subhangi Singh, Vineet Kumar, Ashish Ranjan Singh, Uma Gupta</i>	75-80
Computational Screening for Novel Drug Target for Treatment of JME (Juvenile Myoclonic Epilepsy) ----- <i>Saumya Priya Gautam, Aryan Singh, Manjeet Chaudhary, Anshul Nigam</i>	81-83
Phytochemical Estimation of Neolamarckia Cadamba (Kadam) ----- <i>Kritika Sonkar, Shirin Hashmi, Nikita Yadav, Ritu Kumari Singh, Swati Bajpai</i>	84-88

A Crosstalk of PINK1-Parkin Pathway and Mitochondrial Mitophagy Pathway in the Parkinson's Disorder: A Brief Review ----- <i>Sakshi Pandey, Deepak Verma</i>	89-94
Computational Studies for Identification of Novel Inhibitor against MAPK1 (Mitogen Activated Protein Kinase 1) ----- <i>Aryan Singh, Anshul Nigam</i>	95-101
Synthesis and Characterization of MgO Nanoparticles Using Sol- Gel Method ----- <i>Aman Pratap Singh, Ritu Kumari Singh, Anshul Nigam</i>	102-106
COMPUTER SCIENCE AND ENGINEERING	
AI Dreamcraft (AI Image Generator) ----- <i>Yash Dubey</i>	107-112
Automatic Mails Classification Using Genetic Algorithm ----- <i>Dr. Mandeep Singh Chowdhary, Rahul Singh</i>	113-120
Brain Tumor Detection Using Convolution Neural Network ----- <i>Akshay Tripathi, Prabhat Kumar Sharma, Sujeet Kumar</i>	121-125
Comparative Analysis of Logistic Regression, Random Forest Classifier, and Decision Tree Classifier for IPL Winning Prediction. ----- <i>Gyanendra Pratap Singh, Abhay Pratap Singh Chauhan, Arif Ansari</i>	126-129
Artificial Intelligence: A Comprehensive Review of its growing impact on Society and Economic Benefits and Emerging Challenges ----- <i>Situ Saw, Suraj Srivastva</i>	130-135
Effects and Secure QR Attendance System for Streamlined Academic & Corporate Management ----- <i>Shashank Singh, Rahul Singh</i>	136-138
Efficient Deep Learning for Detection and Categorization of Road Traffic Sign ----- <i>Apoorva Saxena, Rahul Singh</i>	139-145

Emerging Trends in Cybersecurity: A Glimpse into Future Technologies ----- <i>Akshat Nigam</i>	146-151
Enhancing Educational Assessment: An Innovative Approach to Online Examination Systems ----- <i>Chetan Sharma, Roushan Kumar Mandal</i>	152-157
Facial Emotion Recognition ----- <i>Abhinav Sharma, Nancy Gaur</i>	158-163
Generative Adversarial Network ----- <i>Harsh Kumar Sona, Adish Jain, Divyanshu Kumar Singh, Harshit Patel</i>	164-169
IOT-Enabled Radar System: Enhancing Sensing and Connectivity for Smart Application ----- <i>Shadab Ahmed</i>	170-173
Li-Fi Technology Enabling Wireless Connectivity through Light ----- <i>Kirti Vishwakarma, Richa Dixit Pandey, Deep Kumar Srivastava</i>	174-179
Navigating the future: A Comprehensive Study of Smart Homes and their Technological Landscape ----- <i>Surya Pratap Singh, Suryansh Katiyar</i>	180-186
Object Identification in Heterogeneous Environment using Computer Vision and Deep Learning ----- <i>Shadab Ahmed, Shivani Kumari, Hemant Kumar</i>	187-191
Robotic Assisted Surgery (RAS): A Comprehensive Review of Technological Advancements, Precision Implementation and Patient Outcomes ----- <i>Harsh</i>	192-198
Human-Robot Collaboration in Industrial Automation: Control Mechanisms and Safety Considerations ----- <i>Devika Pandey, Priyanka Gupta</i>	199-206

Screen Sharing in Chat Application ----- <i>Krishna Gopal Verma</i>	207-209
The Fairness Nexus: Exploring How Imputation Strategies Shape Machine Learning Equity ----- <i>Aditi Pandey</i>	210-218
Unveiling the Horizon: Navigation the Cloud Computing Landscape ----- <i>Naman Sahu, Adarsh Kashyap</i>	219-225
Usability and Accessibility of Crypto Currency Tracker Apps for Diverse User Groups: A Human-Centered Approach ----- <i>Peeyush Varshney</i>	226-229
Artificial Intelligence: Transforming Our Lives and Workplaces ----- <i>Anmol Yadav, Priyanka Gupta</i>	230-237
The Role of AI in Climate Change Mitigation: Opportunities and Challenges ----- <i>Devansh Shukla</i>	238-243
Emotion Artificial Intelligence: Understanding and Integrating Emotional Intelligence in Machines ----- <i>Jyoti Chaubey, Priyanka Gupta</i>	244-250
Green Cloud Computing: Sustainability Trend and Environmental Impact ----- <i>Nishtha Singh, Priyanka Gupta</i>	251-260
Artificial Intelligence and Ethics in the Workplace: Impact on Job Security ----- <i>Raghav Bajpai, Priyanka Gupta</i>	261-270
Improving the Efficiency of Cloud Computing with Dynamic Load Balancing Techniques ----- <i>Sanjay Singh, Aman Singh, Nilesh Kumar</i>	271-282

ELECTRICAL AND ELECTRONICS ENGINEERING	
Review Paper on Automatic Systems to Control Home Appliances ----- <i>Swastik Yadav, Siddharth Yadav, Mr. Bipin Gupta, Mr. Kaushal Kishor</i>	283-286
Survey on Zener Diode as Voltage Regulator and Parameters Responsible for its Working ----- <i>Aditya Kumar Tripathi, Bipin Gupta</i>	287-291
Automatic Street Light System to Reduce the Man Power and Lag Time: A Review ----- <i>Rahul Yadav, Harsh Patel, Garima Singh, Aryan Sharma, Bipin Gupta</i>	292-297
A Study of Human Detection Robotic Systems to Assist in Disaster-Stricken Areas ----- <i>Aman Kushwaha, Saurabh Verma, Abhishek Kumar, Aitya Singh, Mr. Bipin Gupta</i>	298-303
Arduino Based Agriculture Robot: A Review ----- <i>Zarrin Khan, Shaifali Chaurasiya, Mansi Prajapati, Shivendra Kumar, Mr. Kaushal Kishore</i>	304-309
Assessment on Effective Road Safety and Management System ----- <i>Shorya Shobhit Shrivastva, Aditya Ojha, Devesh Kumar Shivam Gupta, Devendra Kushwaha</i>	310-314
Smart Zebra Crossing with Smart Breaker ----- <i>Owais Uddin, Shivendra Pratap Singh, Sushant Kumar Yadav, Gyanendra Kumar Verma</i>	315-320
Lighting up the Future: Li-Fi Tech for Better Wireless Communication ----- <i>Shriyansh Srivastava, Abhishek Agnihtri, Jai Menghani, Utkarsha Awasthi, Gyanendra Kumar Verma</i>	321-326
Study on Designing Method of Analog to Digital Converter to Improve Performance ----- <i>Abhay Raj, Aditya Arya, Mritunjay Singh, Mr. Bipin Gupta, Ankita Tiwari</i>	327-331

Comparative Review of FACTS Devices with Various Faults ----- <i>Vikrant Singh, Shaigali Singh, Saurabh Yadav, Anjali Verma, Vaibhav Shukla</i>	332-338
Study of Backward Diode: A Special Type of Diode ----- <i>Md Taufiq, Mr. Bipin Gupta and Dr. Ashish Maurya</i>	339-343
Review Paper on Automatic Systems to Control Home Appliances ----- <i>Ram Bahadur Singh, Meenakshi Prajapati, Saurabh Kumar Singh, Tanu Priya Pandey and Mohd Arif</i>	344-350
Smart Helmet ----- <i>Gopal Gupta, Rohit Saxena, Rishbh Mishra, Vaibhav Mishra, Mrs. Ankita Tiwari</i>	351-354
Soldier Health Monitoring and Positioning System ----- <i>Pandey A, Agnihotri H, Gupta A, Hassan A, Sharma K, Dr. Rahul Umrao</i>	355-360
MASTER IN COMPUTER APPLICATION	
Evolution of Cloud Computing: Services and Benefits on Cloud Technology ----- <i>Ritika Gera, Rajat Singh Chauhan, Dolly Dhimam</i>	361-363
A Research on Self-Cleaned Dust Sensor ----- <i>Sachin Kumar, Ankit Kushwaha, Nikhil Singh Rawat</i>	364-369
Comprehensive Evaluation of Cloud Computing in Modern Era: A Survey ----- <i>Palak Tiwari, Ekansh Gupta, Deep Kumar Srivastava</i>	370-376
MECHANICAL ENGINEERING	
To Study Advancement in Wind Turbine-A Review ----- <i>Tanish Katiyar, Ayush Singh, Vivek Srivastava, Manoj Kumar Yadav</i>	377-383

Review Paper on Designing and Fabrication of Plant Irrigation Water Sprinkler Robot ----- <i>Harsh Kumar, Shailendra Singh, Vivek Srivastava, Sanjay Singh</i>	384-393
Review on Designing and Fabrication of Foot Operated Hammer ----- <i>Aniket Gupta, Rohit Kumar, Prateek Gangwar</i>	394-398
A Review Paper on Phase Change Material for Developing a Thermal Battery ----- <i>Deepak Kumar Yadav, Arun Kumar Dwivedi, Manoj Kumar Yadav</i>	399-409
A Review on Development and Analysis of Maglev Train ----- <i>Vishwas Singh, Deva Nand Tiwari, Mohd. Ubaid Ali, Rajveer Singh, Dr. Vivek Srivastava, Dr. Sanjay Singh</i>	410-416
To Study the Effect of Parameters for Operating the Foot Operated Power Hammer: A Review ----- <i>Shikhar Saini, Vivek Srivastava, Sanjay Singh, Manoj Kumar Yadav</i>	417-421
The Influence of AI on the Management of Solar Energy ----- <i>Shyam Chakraborty, Dr. Brajesh Varshney</i>	422-428
MISCELLANEOUS	
Online Assessment of Evaluation Process: The Modern Way of Central Assessment Program (CAP) Process ----- <i>Prof. Maheshwari Divate, Amartya Katge, Pranav Gaikwad, Aishwarya Tike</i>	429-433
Platinum and Palladium Complexes as Favourable Sources for Antitumor Treatments ----- <i>Dr. Anshu Srivastava</i>	434-439
Industry 4.0-Emerging Trends of Technology Adaptation- The Case of Footwear Industry ----- <i>Sharad Srivastava</i>	440-450

Education 4.0 Unbound: A Longitudinal Perspective on the Evolution of Transformative Practices ----- Garima Singhal	451-457
Emotion Responsive Ambient Lighting System ----- Aishwarya Parashar, Aman Kumar Singh	458-466
Rice Husk Ash as an Alternative to Silica Sand in Complex Fertilizer Production; A Sustainable Approach ----- Surya Mani Pandey, Jaya Pandey	467-472
ABSTRACT	
A Dielectric Study in Low Concentration Antimony Based Glassy Alloys ----- Vikas Kumar Pandey, Abhishek Vishnoi, Ram Sagar Tiwari	473
To Study the Performance of Solar air Cooler for Cooling the Space ----- Saurabh Singh, Abhishek Singh, Dr. Sanjay Singh, Mr. Manoj Kumar Yadav	474
Nanotechnology for the Cancer Treatment ----- Swechchha Mishra, Shorya Tiwari, Neeraj Mishra, Ritu Kumari Singh	475
Infections Caused by Poor Menstrual Hygiene & Sanitary Pads Impact on the Development of Cancer in Women ----- Darshana Maheshwari, Muskan Sahu, Abhilasha Gautam	476
Assessment of Water Quality of Ganga River at Various location in Kanpur City, Uttar Pradesh ----- Himanshu Pathak, Abhishek Vaishya	477
Antimicrobial Activity of Tea ----- Pratistha Singh, Neeraj Mishra	478
Antimicrobial Activity of Some Spices ----- Simran Rawat, Neeraj Mishra	479

Antimicrobial Activities of Millets ----- <i>Rimjhim Srivastava, Neeraj Mishra</i>	480
Antimicrobial Action of Leaf Extract ----- <i>Shiprali Dwivedi</i>	481
Antimicrobial Activity of Fruits Seed ----- <i>Tehreem Jabeen</i>	482
An Artificial Intelligence-Based Environment Quality Monitoring System ----- <i>Sufyaan Ahmad, Syed Mohd Tahoor</i>	483
Automatic- Mails Classification Using Genetic Algorithm ----- <i>Dr. Mandeep Singh Chowdhary, Rahul Singh</i>	484
Effects of Social Media on Mental Health and Well-being ----- <i>Aryan Yadav</i>	485
Efficient and Secure QR Attendance System for Streamlined Academic and Corporate Management ----- <i>Shashank Singh, Rahul Singh</i>	486
Fairness in AI: Evaluating Bias and Discrimination in Algorithmic Decision-Making ----- <i>Harsh Jaiswal</i>	487
Integrated Healthcare technologies on IoT ----- <i>Anjali Sinha, Diya Srivastava, Adarsh Gupta and Anuraag sahu</i>	488
Security Analysis and Design Strategies for Android Chat Messengers ----- <i>Lakshmi Narayan Ray</i>	489
Smart Gate Pass Security Management System ----- <i>Vishal Kumar, Mohd Hashmi</i>	490

Analytical Health Monitoring System ----- <i>Aditya Sharma, Aman Kumar, Akanksha Yadav, Hrishidha , Gyanendra Kumar Verma</i>	491
Design and Implementation of an Advanced Visitor Management System for Enhanced Security and Efficiency ----- <i>Sumit Verma, Harsh Tripathi, Mohd Sufiyan Jamal, Maqusud Ali</i>	492
The Role of Artificial Intelligence in evolving the Work Force ----- <i>Neha Verma</i>	493
Future of IOT ----- <i>Abhishek Thakur, Richa Awasthi, Ajeet Singh, Ankita Kumari</i>	494
To Study the Critical Impact of Vacuum Cleaner in Service of Household Application: A Review ----- <i>Abhishek Singh, Shikhar Saini, Vivek Srivastava, Shailendra Singh</i>	495
Enhancing Productivity in the Automotive Industry with the Application of Method Study Technique ----- <i>Rishabh Mishra</i>	496
Bioplastics – Productions, Properties and Environmental Impacts ----- <i>Manashvi Pal, Sanskriti Tiwari and Abhilasha Gautam</i>	497
Breast Cancer ----- <i>Priya Singh</i>	498
Effect of Social Media on Mental Health and Well Being ----- <i>Aryan Yadav</i>	499
Integrated Health Care Technology on IOT ----- <i>Anjali Sinha, Diya Srivastava, Adarsh Gupta, Anurag Sahu</i>	500
Metaverse in Modern World ----- <i>Akash Shakya, Krishna Pathak</i>	501

Unleashing the Power of Quantum Computing ----- <i>Harshit Mishra, Karan Singh, Arpit Singh, Saksham Singh</i>	502
Impact of Social Media on Students' Academic Performance ----- <i>Anuj, Nancy Gautam, Alka Devi</i>	503
The Influence of Social Media in Modern Communication ----- <i>Sanya Singh</i>	504
Artificial Intelligence and Fraud Detection ----- <i>Dev Dubey, Vidhi Kaushik</i>	505
Green Computing in Edge Computing Environments: Challenges Innovation ----- <i>Shreyashi Gupta</i>	506
Impact of Social Media on Students Academic Performance ----- <i>Anuj</i>	507
Subtractor ----- <i>Toshi Mishra</i>	508
Future of IOT ----- <i>Abhishek Thakur, Richa Awasthi, Ajeet Singh, Ankita Kumari</i>	509
Harnessing the Power of Gene & Cell Therapies: A Comprehensive Review on Gene and Cell Therapies ----- <i>Abhishek Kumar, Harshit Patel, Abhilasha Gautam, Neeraj Mishra</i>	510-511
Artificial Intelligence (Ai) Significantly Transforms the Health Care Landscape ----- <i>Priyanka Singh, Anivesh Pathak, Abhilasha Gautam</i>	512
Comprehensive Review on Probiotics and Prebiotics ----- <i>Abhishek Pandey, Shekhar Kumar, Saumya Vishnoi, Abhilasha, Neeraj Mishra</i>	513-514

<p>Unearthing Nature's Treasure: Role of Taxol from Fungus Associated with Medicinal Plants for Cancer Treatment</p> <p>-----</p> <p><i>Aayushi, Vanshika Srivastava Abhilasha, Neeraj Mishra</i></p>	515-516
<p>Gynaecologist's Explore IVF and the Magic of Embryo Transfer</p> <p>-----</p> <p><i>Hritik Singh, Abhilasha Gautam, Neeraj Mishra</i></p>	517
<p>Waste to energy: Conversion of Agricultural Residues into Biofuels</p> <p>-----</p> <p><i>Dev Pramanick, Aditya Singh, Neeraj Mishra, Aman Pratap Singh</i></p>	518
<p>Comprehensive Review on Agriculture Biotechnology</p> <p>-----</p> <p><i>Rishabh Bhadauriya, Shakti Singh Yadav, Abhilasha, Neeraj Mishra</i></p>	519-520
<p>Artificial Intelligence and Fraud Detection</p> <p>-----</p> <p><i>Vidhi Kaushik</i></p>	521
<p>Chemotherapy: Transforming Cancer Treatment Strategies</p> <p>-----</p> <p><i>Adeeba Raza, Ankita Parihar</i></p>	522
<p>Revolutionizing Cancer Research: The Role of artificial intelligence in cancer biology</p> <p>-----</p> <p><i>Pari Trivedi, Tabia Khan, Abhilasha Gautam</i></p>	523
<p>Biodegradable Biofoam : A Systematic Review</p> <p>-----</p> <p><i>Mohd Subur Siddiqui</i></p>	524

ABOUT EDITORS



Dr. Brajesh Varshney completed his B.Sc. (Engineering) Mechanical in 1997 and M. Tech. (Engineering Systems: Mechanical) in 2002 from Faculty of Engineering, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra. Dr. Varshney also completed a Ph.D. in 2013 from ABV-Indian Institute of Information Technology & Management (Deemed University), Gwalior. Dr. Varshney has served in many prestigious organizations in various portfolios like Warden, Boys' Hostel, I/C Placement Cell, I/C Examination, I/C Government inspections, etc. Dr. Varshney was appointed as Director of the institute on 22nd April 2015. During the stay at Kanpur institute of Technology, he worked as Head of Department (Mechanical Engineering), Assistant Dean Academics and Dean Academics. Dr. Varshney was a member of the Academic Council & Examination Committee of Dr. A.P.J. Abdul Kalam Technical University (Formerly, UPTU Lucknow) from 2016 to 2022. He is coordinator of the Board of Studies Mechanical Engineering and Member of the Board of Vocational Studies Studies. He is a member of IEEE. During his academic career of 27 years, Dr. Varshney has taught various subjects of Mechanical Engineering at UG/PG levels. He has published 10 papers in National/International journals/proceedings of International / National conferences and guided various M. Tech. & B. Tech. Projects. Dr. Varshney attended a large number of FDPs/workshops/short-term courses/conferences. Under his able leadership, Kanpur Institute of Technology was awarded Grade 'A' by NAAC.



Dr. Neeraj Mishra is M.Tech and Ph.D in Biotechnology .He is working as Dean Academics and Head, Department of Biotechnology at Kanpur Institute of Technology, Kanpur. He is actively involved in teaching and research from several years. He has to his credit a large number of published research papers and book chapters'. He has chaired/organised many conferences. He is member of many academic Societies.



Dr. Rahul Umrao completed his M. Tech. & Ph.D. from Dayalbagh Educational Institute, Agra in 2010 & 2015. He has more than 15 years of teaching experience. He has served in various institutes in different positions, like Dean of Research & Development, Head of Department, Convenor of industry and Academia and many more. Dr. Rahul Umrao has published more than 20 research papers in different National-International journals and conferences. His areas of interest are Power Systems & Soft Computing. Students under his guidance were selected two times in the students' research grant scheme by the Council of Science and Technology, UP. He has organized workshops, FDPs, & Seminars for academia and industry many times.



Dr. Vivek Srivastava is a Professor and Head of the Mechanical Engineering Department. He obtained his Ph.D Degree in the field of Mechanical Engineering Design from Kalinga University, Naya Raipur, Chhattisgarh. He completed Master of Technology in of Mechanical Engineering Design from (HBTI) AKTU University, Lucknow, Uttar Pradesh and Bachelor's Degree in Production Engineering from Dr. Baba Saheb Bheem Rao Ambedkar University, Aurangabad, Maharastra. He has total of 24 years experience in teaching. He has published more than 15 papers in reputed International & National National journals and presented a paper in National and International conferences. He attended many Workshop, Faculty Development Program & Seminars. He delivered a number of guest lectures in outside the college premises. His areas of interest in Mechanical Engineering Design. He has Organize the UPSEE Entrance Examination. He is a Co-Convener in IEEE "International Conference. He has received a grant of 18.5 Lakhs under "MODROB" Project by AICTE scheme. He has Evaluated Ph.d Thesis & also he is appointed as External Examiner for PhD Dissertation.

E-ISBN: 978-93-5747-361-3



MRP Rs. 580/-



Selfpage Developers Pvt Ltd