SUPPORTING DOCUMENTS FOR 3.3.3

**Number of Books and Chapters in edited volumes/books/
international conference proceedings per teacher during 2023-24**

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21	National Education Policy 2020: Understanding and Way Forward	**Kumari P** & Singh P K	21
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| 24 | Modelling of cylindrical blast waves with dust particles, Modeling and Simulation of Fluid Flow and Heat Transfer | **Ram S D**, Singh D, Jain E & Singh M | 24 |

1. **Giri N G,** Abbas N S & Shukla S K

Description

Nanotechnology in Agricultural Practices: Prospects and Potential

N.G. Giri, N.S. Abbas, Saroj Kumar Shukla

The novel features of nano confined materials properties are widely explored in several agricultural practices i.e. seed coating, soil conditioning, preservatives and packaging of agro based products. The evolution of materials properties due to nano confinements like controlled degradability, solubility, responsiveness, gas barrier and porosity has added several suitable advantageous features in agriculture practices to help the farmers, traders, consumers and policy makers. In the context of the above development, the present chapter describes the basic features of nano materials to use in agricultural practices along with their impact and effectiveness. Further, the suitable scheme and illustration are used on the basis of available literatures to make the subject lucid and effective along with existing challenges.
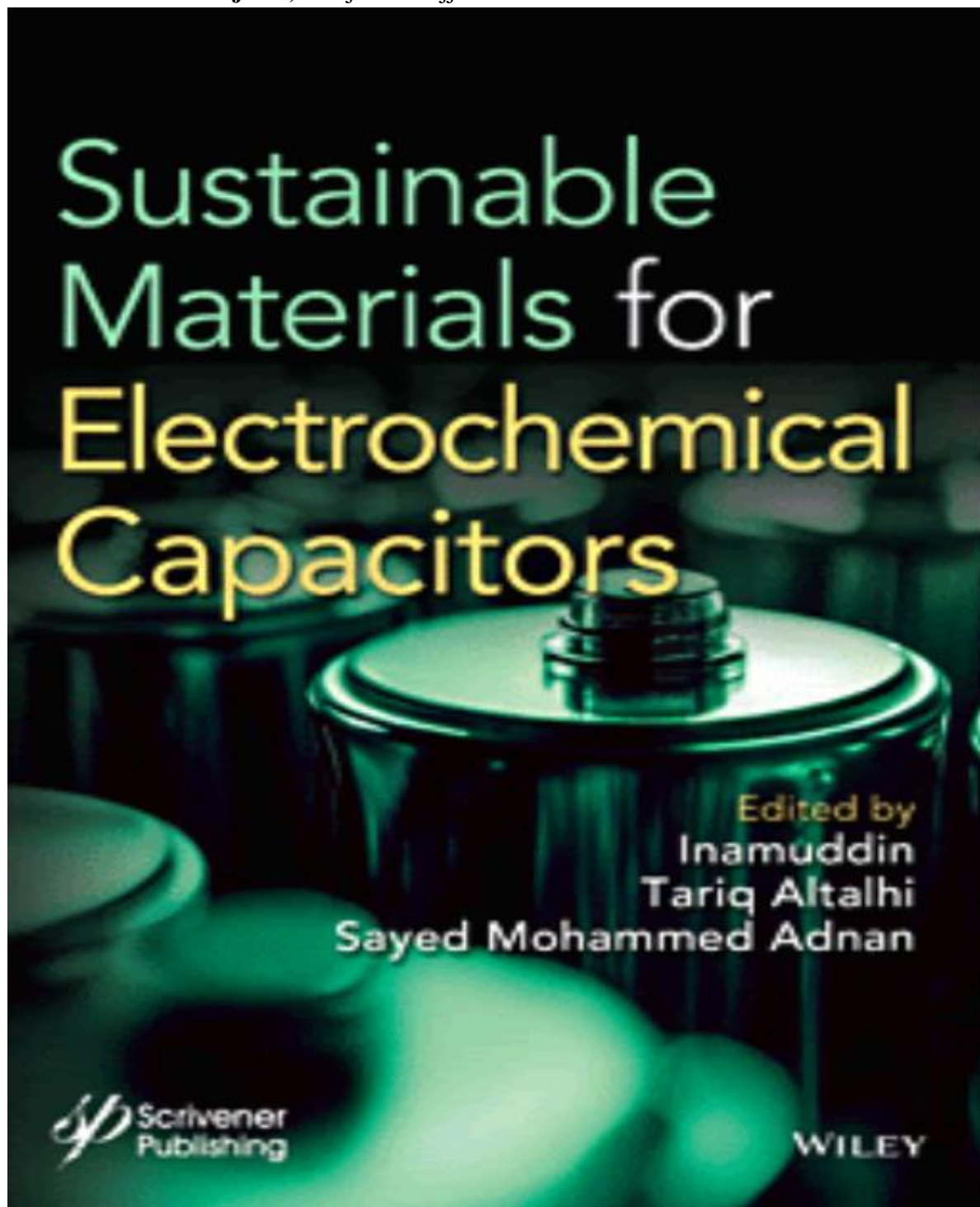
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2. **Kanojia R,** Ahuja P & Ujjain S K

3. Iqbal N, **Reeta**, Ahluwalia V, **Agrawal A**, Kumar J & Dubey S

Studies in Natural Products Chemistry

Volume 76, 2023, Pages 247-297

Chapter 8 - Medicinally important natural bioactive compounds for leishmaniasis treatment: efficient alternate of toxic drugs

Nusrat Iqbal [1], Reeta [1], Vivek Ahluwalia [1], Amrish Agrawal [1], Shreshta Dubey [2],
Jitendra Kumar [1], Saurabh Dubey [3]

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4. Sharma C & Kamna S

Chapter

Effect of Blockchain Technology on the Future of E-Commerce in India

By Chhavi Sharma, Supriya Kamna

Book   AI-Based Data Analytics

Edition	1st Edition
First Published	2023
Imprint	Auerbach Publications
Pages	14
eBook ISBN	9781032614083

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ABSTRACT

The market has been dynamic for years. A local community shopkeeper, selling goods, was considered a business person. Days advanced and with the help of transportation facilities and the world community getting together, the market has expanded to a global village. The market remained dynamic and gradually marketplace has been replaced by market space. All the market tactics of retailing changed into e-retailing. The trade and business of the simple shopkeeper have turned into e-commerce. The market is still dynamic

5. Chhabra A, **Chaudhary K** & Alam M.

Chapter

Strategic Plans for Market Campaign Using Machine Learning Algorithms

September 2023 · Lecture Notes in Electrical Engine...

DOI: 10.1007/978-981-99-5358-5_15

In book: Intelligent Data Analytics in Business

Aashita Chhabra · Kiran Chaudhary · Mansaf Alam

Overview	Stats	Comments	Citations	References (12)

Abstract

In this era, especially after facing the consequences of COVID-19, the digital world came up as a boom in society. Everyone is dependent on it for even small purposes, e.g., education, health care, shopping, counseling, and much more. In context to these fields, business intelligence plays a significant role in deciding the next move of any organization. Here it utilizes many machine learning algorithms to analyze the data set. This study provides the idea on the conduction of market campaigning depending upon the requirement of the products by customers. Data set is considered to be the asset of any firm. Many data scientists and practitioners scrutinize the data, maintain the correlation among collected data, and dispense out the decision-making policy. They also catch the outcome provided by all previous market campaigns as well. The proposed model shows the consumer's purchasing category, depicts the more accurate dependency, and further helps in improvising marketing campaigns to be conducted in future. KeywordsMachine learningBusiness intelligenceEDAMarket campaign

6. Ansari M, Ali SA, Alam M, **Chaudhary K**, & Rakshit S

Chapter

Unlocking the Power of Explainable AI to Improve Customer Experiences in E-Commerce

By Manzoor Ansari, Syed Arshad Ali, Mansaf Alam, Kiran Chaudhary, Sandip Rakshit

Book   AI-Based Data Analytics

Edition	1st Edition
First Published	2023
Imprint	Auerbach Publications
Pages	18
eBook ISBN	9781032614083

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ABSTRACT

Explainable artificial intelligence (AI) (XAI) is a new and innovative approach to enhancing customer

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7. Chhabra A**, Chaudhary K** & Alam M

Chapter

Exploring Hugging Face Transformer Library Impact on Sentiment Analysis

A Case Study

By Aashita Chhabra, Kiran Chaudhary, Mansaf Alam

Book   AI-Based Data Analytics

Edition	1st Edition
First Published	2023
Imprint	Auerbach Publications

8. Alam M, **Chaudhary K**, Chhabra A & Ansari M

Impact of COVID-19 on Employment Rate in different sectors of the economy using Mathematical Modelling and Data Analytics Techniques

Authors	Mansaf Alam Kiran Chaudhary , Aashita Chhabra , Manzoor Ansari
Publication date	2023
Journal	Samdarshi Journal, ISSN: 2581-3986
Volume	16
Issue	4
Pages	1625 - 1632
Publisher	Punjabi Academy

9. **Ratnu B** & Ratnu A

A Geographical Exploration of Urban Risk and COVID-19:

An Innovative and Systematic Approach

Edited by

Subhash Anand, B. Srinagesh and R.B. Singh

Cambridge Scholars Publishing

CHAPTER 3

THE WATER STRESS SITUATION DURING COVID-19: A MACRO-LEVEL STUDY OF AJMER CITY, RAJASTHAN.

BHARAT RATNU[*1] AND ANJANA RATNU[2]

Abstract: The fear of Covid-19 stopped the whole world, because of the non-availability of a vaccine and the spread throughout communities. The only way to stay safe in this phase was through healthy sanitation practices. In a developing country like India, the use of sanitizer is not affordable for a large sector of the population, and hence, people depend on the use of soap and water. Availability of adequate water and sanitation is a fundamental right, and a Sustainable Development Goal, but India is placed 13th among extremely water-stressed countries. Within India, Rajasthan stands 3rd in the ranks of water-stressed states, and with the pandemic, the demand for water increased, which, in turn, increased the gap between demand and supply. This study deals with the question of how demand for water has increased, and how the sources of supply during the ongoing coronavirus pandemic differ according to the income groups in the study area. It concludes that high-income groups, and most middle-income groups have somehow managed the increasing demand with the available resources, whereas the lower income groups depend solely on community hand-pumps, which not only puts them at risk of infection with coronavirus, but also has an effect on the economy. The study aims to discuss the importance of water harvesting as a sustainable practice in the region.

[1] Assistant Professor, Department of Geography, Shivaji College, University of Delhi, New Delhi.
[2] Research Scholar, CSRD, Jawaharlal Nehru University, New Delhi.
[*] Corresponding author.

10. Preeti

Chapter 1 An Imperial 'Shrine' to Agrarian Research and Education: Decoding the Imperial Agricultural Research Institute, Pusa, in Bihar, 1905–36

The publisher of this work supports co-access. The work is available from the following locations:

CHAPTER 1

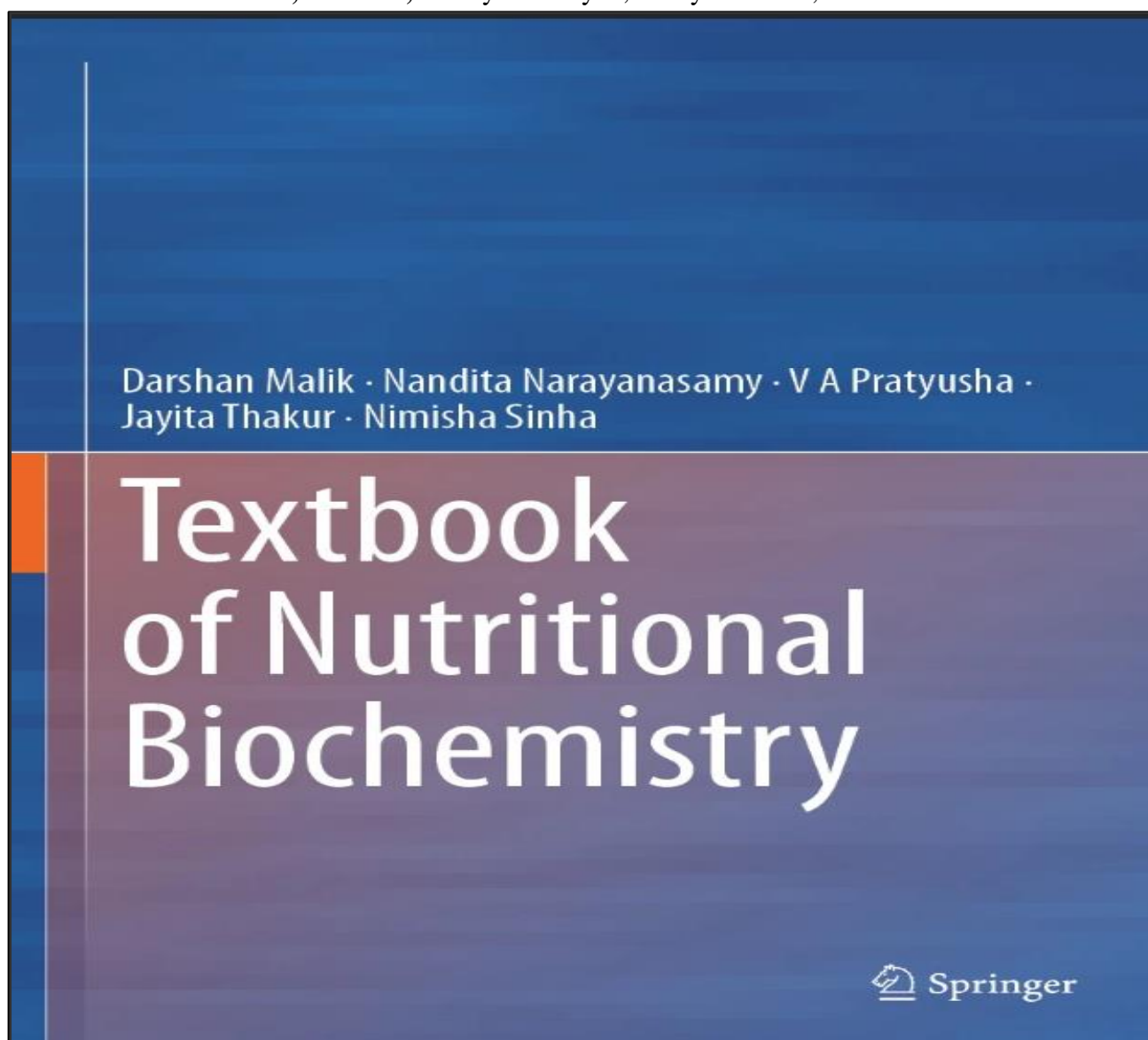# An Imperial 'Shrine' to Agrarian Research and Education

Decoding the Imperial Agricultural Research Institute, Pusa, in Bihar, 1905–36

Preeti

Bihar, an agrarian state in eastern India, is located on one of the world's most fertile alluvial plains, an area that is drained by the Ganges and its tributaries. However, colonial India in general – and colonial Bihar in particular – had a history of famine, reflecting poorly on British colonial administration. Recurring
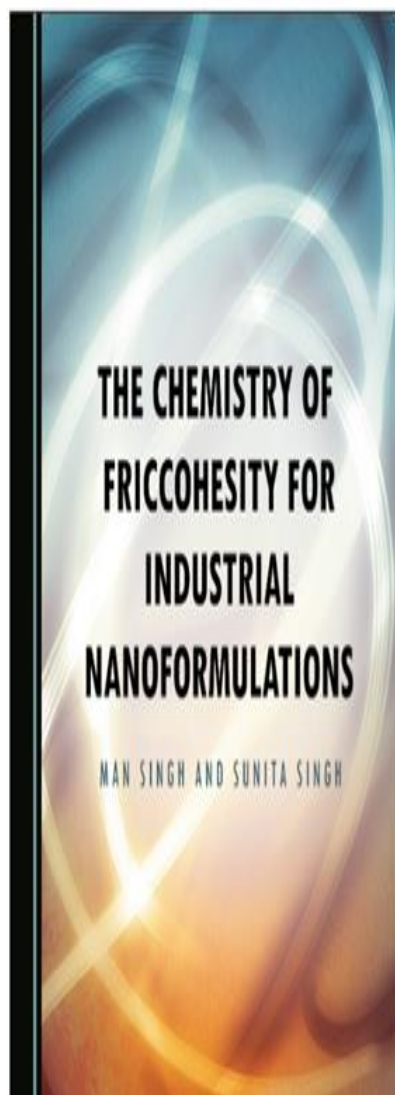
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11. Thakur J , **Malik D,** Narayanasamy N, Pratyusha V A, & Sinha N

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12. Singh S

The Chemistry of Friccohesity for Industrial Nanoformulations

Description   Author Bio

This book highlights the physicochemical properties which foundationally interface with chemical processes via the friccohesity chemistry of cohesive and adhesive forces for nanoformulations. It shows that cohad homogenizes and encapsulates structures with higher potential energy, and notes that friccohesity chemistry, via wavefunctions, overcomes the quantum energy barrier of thermodynamically and kinetically balanced nanoemulsions.

THE CHEMISTRY OF
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INDUSTRIAL
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MAN SINGH AND SUNITA SINGH

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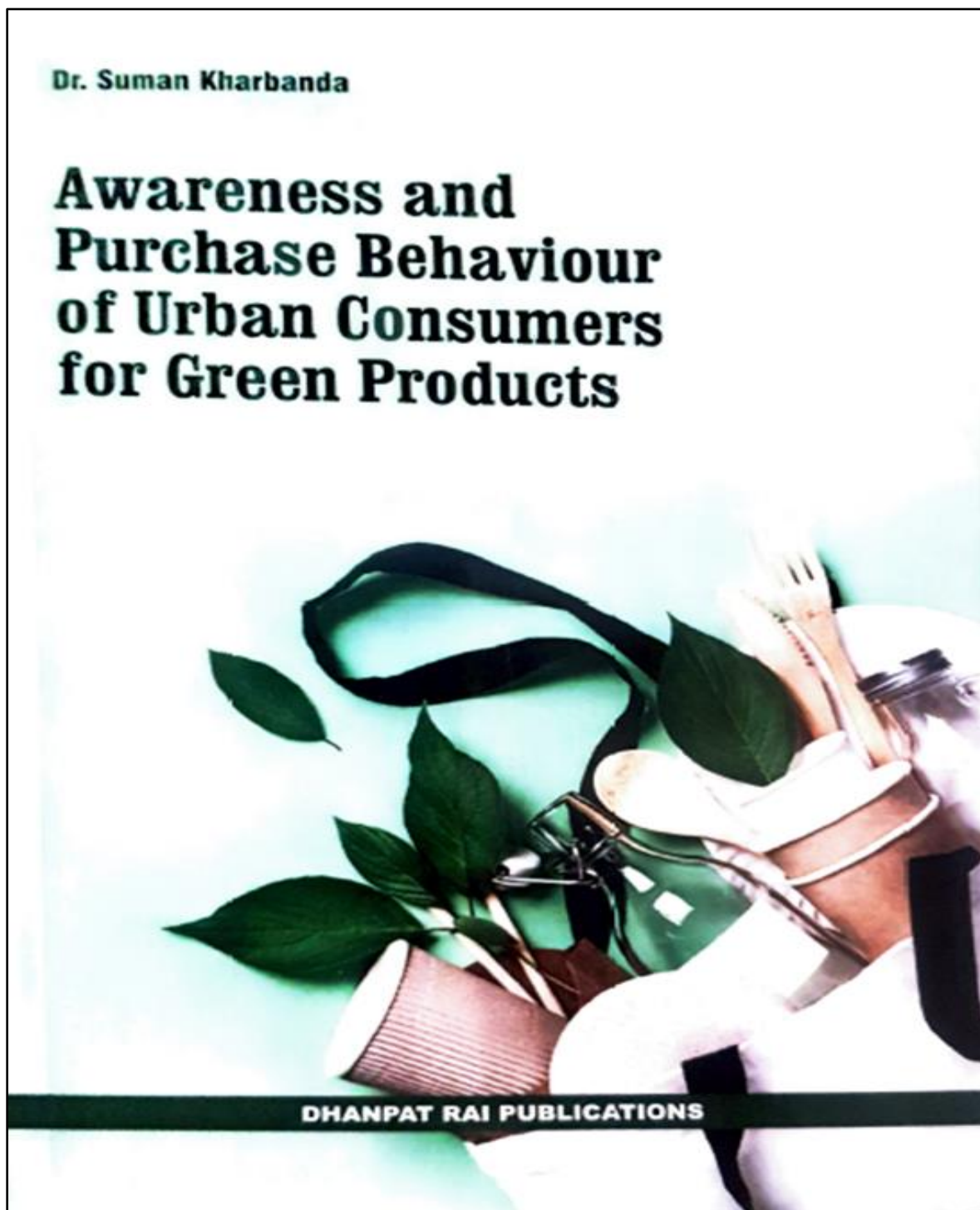| − | 1 | + | Add To Basket |

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13. Kharbanda S

Dr. Suman Kharbanda

Awareness and Purchase Behaviour of Urban Consumers for Green Products
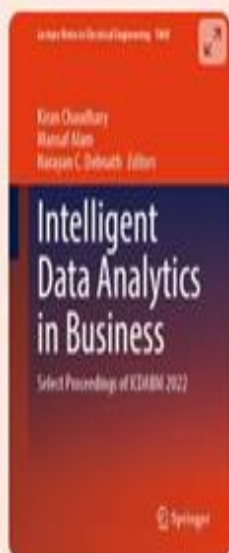
DHANPAT RAI PUBLICATIONS

14. **Chaudhary K**, Alam M & Debnath N C

Intelligent Data Analytics in Business

Select Proceedings of ICDABM 2022

Conference proceedings | © 2023

Overview

Editors: Kiran Chaudhary, Mansaf Alam, Narayan C. Debnath

- Covers data analytics, intelligent data, data management in business and marketing, and big data
- Enriches understanding by including contributions from leading experts across the globe
- Comprises select peer-reviewed proceedings of the conference ICDABM 2022

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15. **Chaudhary K** & Alam M

Book

AI-Based Data Analytics

Applications for Business Management

Edited By Kiran Chaudhary, Mansaf Alam

Edition	1st Edition
First Published	2023
eBook Published	29 December 2023
Pub. Location	New York
Imprint	Auerbach Publications
DOI	https://doi.org/10.1201/9781032614083
Pages	260
eBook ISBN	9781032614083
Subjects	Computer Science

Accessibility
Information

16. Bharti & Mamta

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Mamta · Bharti

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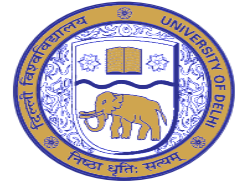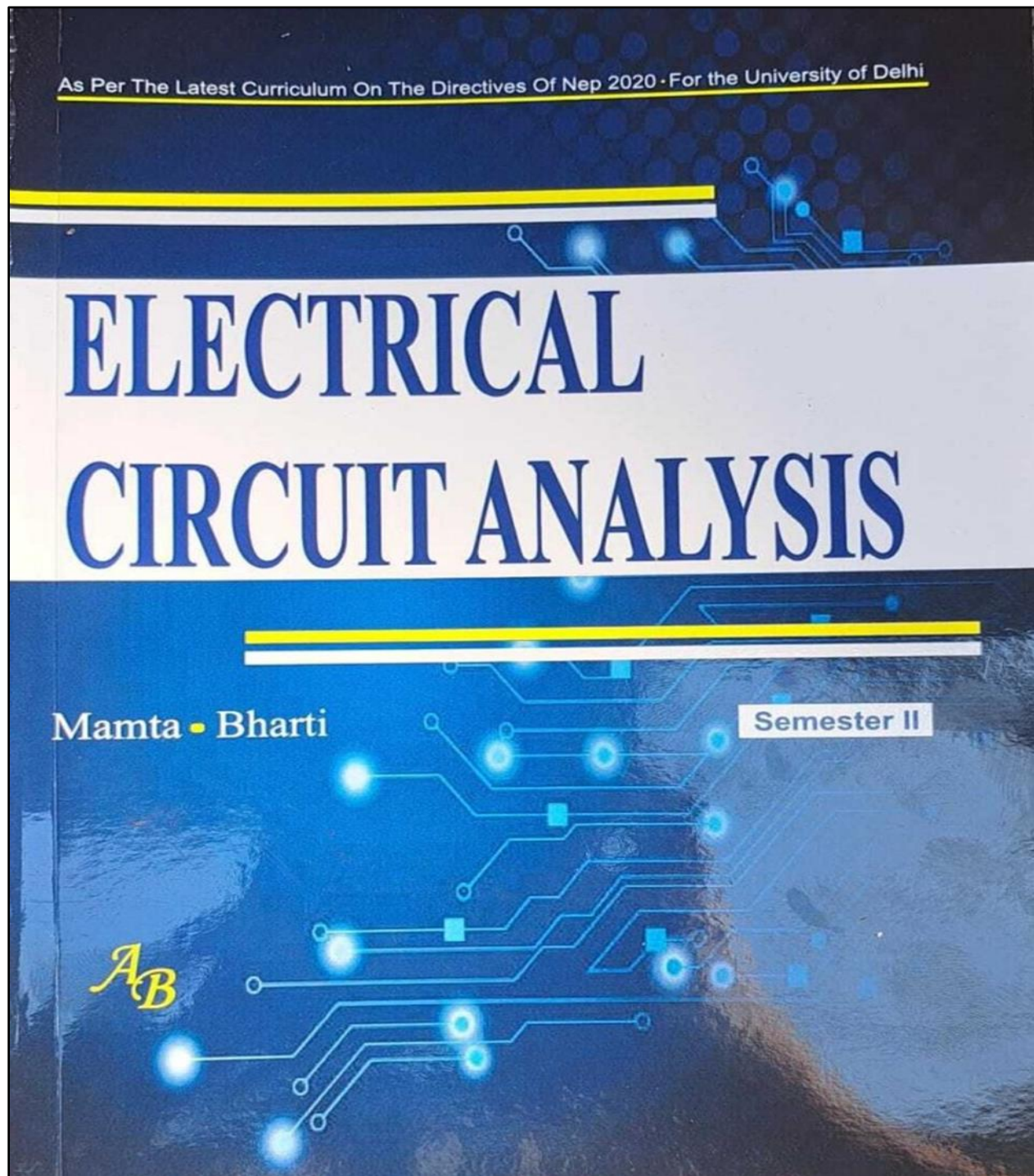
17. **Gautam K K S,** Kumar R, Yadav R & Sharma P

DOI: 10.1109/ICIRCA57980.2023.10220814 • Corpus ID: 261331568

Investigation of the Internet of Things (IoT) Security and Privacy Issues

Krishan Kant Singh Gautam, Rajendra Kumar, Rakesh Yadav, Preeti Sharma less •

Published in 5th International Conference... 3 August 2023 • Computer Science, Engineering, Environmental Science •
2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA)

TLDR The results provide a basis for driving practical improvements in the IoT security environment by encouraging manufacturers to priorities security measures, pushing the adoption of standards and laws, and improving user awareness and education. Expand

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18. Singh R, Shukla A K, Biswas P, Rana O, **Gaur S S** & Singh A P

Volume 2754, Issue 1

5 September 2023

Effect of magnetic field on radially polarized laser induced electron acceleration in vacuum 🛒

Ravindra Singh ✉; Ashok Kumar Shukla; Polly Biswas; Omwati Rana; Shiv Shankar Gaur; Amit Pratap Singh

+ Author & Article Information

Mathematical treatment of electron acceleration induced by radially polarized laser pulse in vacuum is presented. Effect of external magnetic field in electron energy is studied. The role of azimuthal magnetic field is found to be important which retain the electron energy only when the acceleration takes place. All the equations are solved by fourth order Runga-Kutta (RK-4) method. It is observed that the electron energy gain increases with the propagation distance in the presence of magnetic field of 5 MG. It is also observed that on increasing the laser intensity, the energy gain increases. For electron trajectory in x-z plane, the behavior of it is similar to a sinusoidal wave but not identical.

Topics

Magn

International Conference Proceedings

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International Conference on Materials, Processing & Characterization

Hyderabad, India · 22–24 April 2022

Editors · Chetan P Nikhare, Asma Perveen, JuRaz Haidar, Rajesh Purohit and Swadesh Kumar Singh

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19. Yadav N, **Yadav D**, Yadav S K & Yadav D K

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20. **Shobha**, Bhaskaaran, Pujara P, Ahluawat S, Singh M, Ghosal A &Gupta S K

Vegetable Oil-Based Polymers and their Surface Applications

ELSEVIER

2024, Pages 201-218

Chapter 14 - Green synthesis of metal nanoparticles using essential oils and plant extracts

Shobha [1], Bhaskaran [2 4], Priti Pahuja [3], Simran Ahlawat [3], Mahak Singh [4], Anujit Ghosal [5 6 7], Saral Kumar Gupta [1]

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22. Rai S C & **Mishra P K**

Suresh Chand Rai
Prabuddh Kumar Mishra *Editors*

Traditional
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Asia

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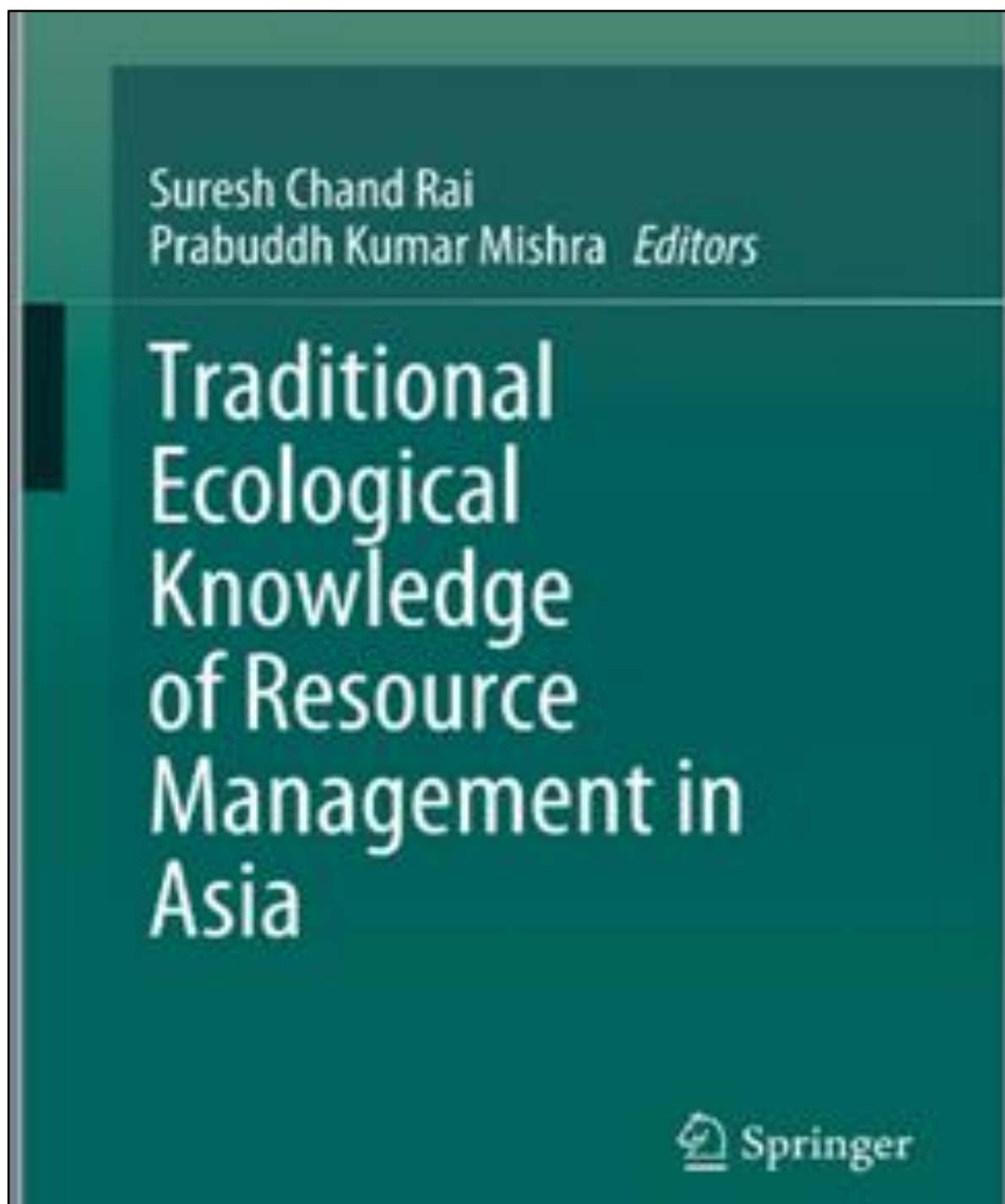
23. **Mamta,** Suman & Verma N
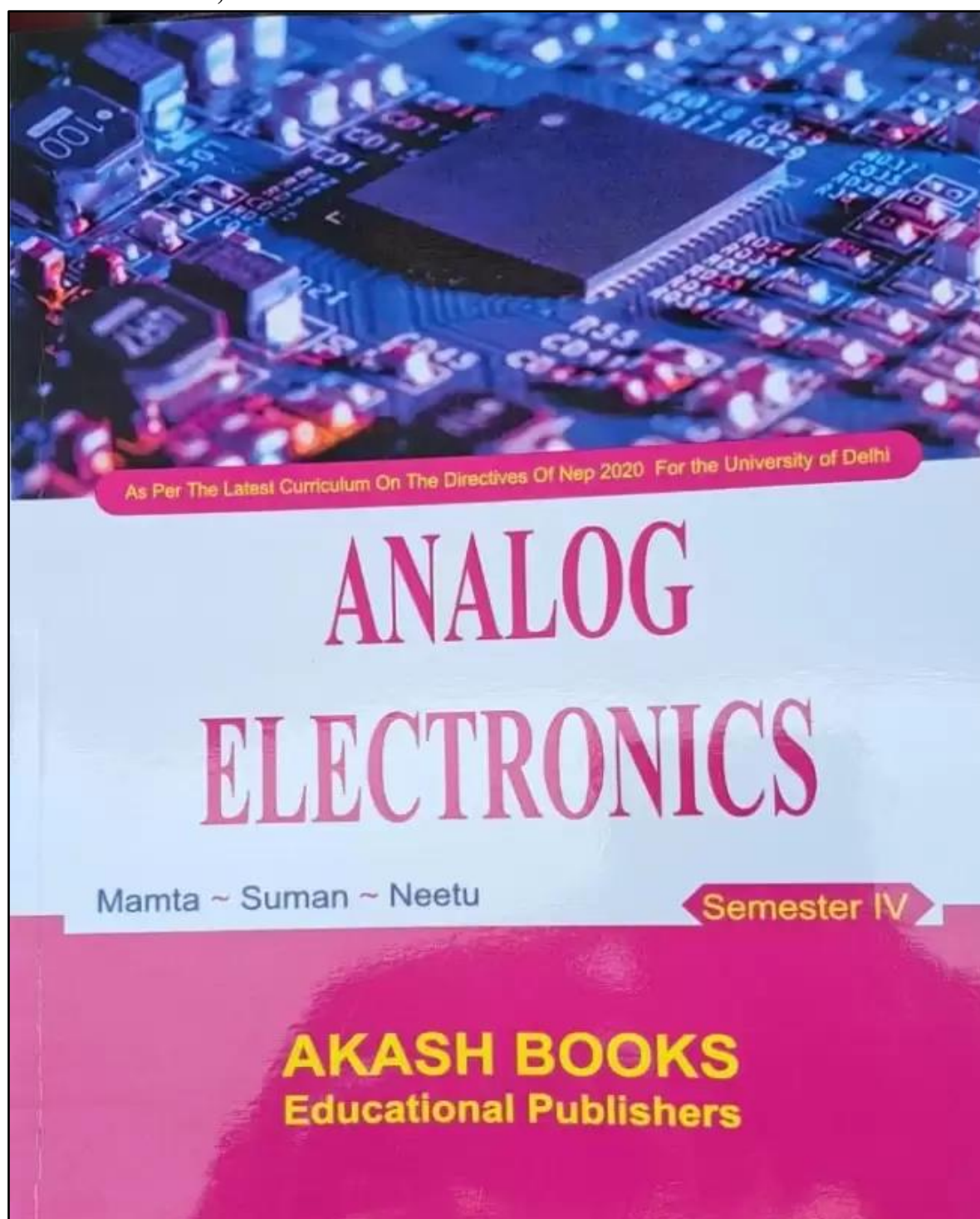
24. **Ram S D**, Singh D, Jain E & Singh M

Chapter

Modelling of cylindrical blast waves with dust particles

By S. D. Ram, Dhanpal Singh, Ekta Jain, Mithilesh Singh

Book   Modeling and Simulation of Fluid Flow and Heat Transfer

Edition	1st Edition
First Published	2024
Imprint	CRC Press
Pages	16
eBook ISBN	9781032712079

ABSTRACT

The chapter deals with the study of the propagation of cylindrical blast waves by using the quasi-similarity method in the polytropic dusty gas. The quasi-similarity method is the most useful tool to predict the flow pattern of the blast waves with moderate strength. It is addressed how dust particles affect the behaviour of