त्रिपुरा विश्वविद्यालय
TRIPURA UNIVERSITY
(केन्द्रीयविश्वविद्यालय/ A Central University)
सूर्यमणिनगर, अगरतला / Suryamaninagar, Agartala
त्रिपुरा(प.)/Tripura (W.),पिन/ PIN–799022, भारत/ INDIA

दूरभाष/Phone : (0381) 237 4801
ई-मेल/ E-Mail:registrar@tripurauniv.ac.in
वेबसाइट/Website : www.tripurauniv.ac.in

CERTIFICATE

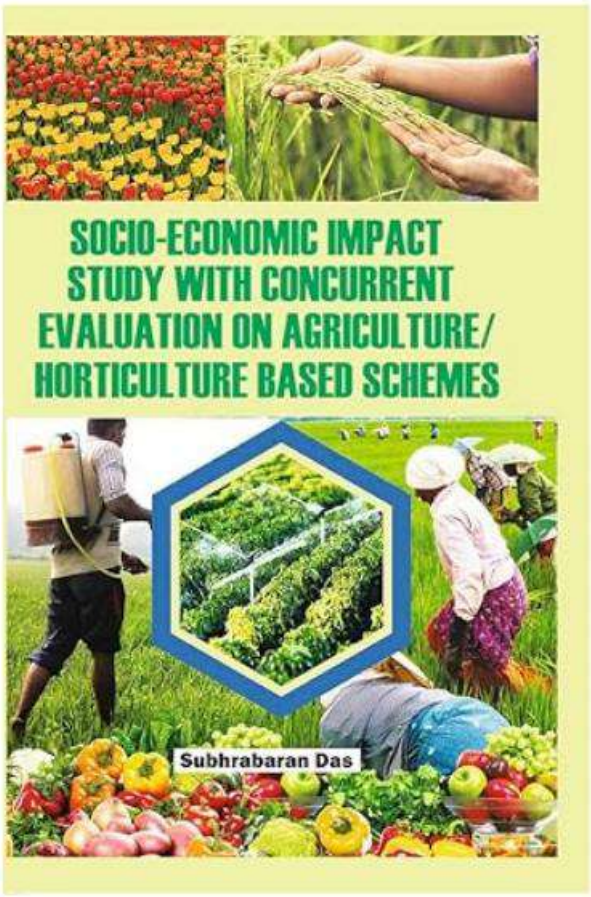
3.4.6 - Books and Chapters in edited volumes published per teacher etc.

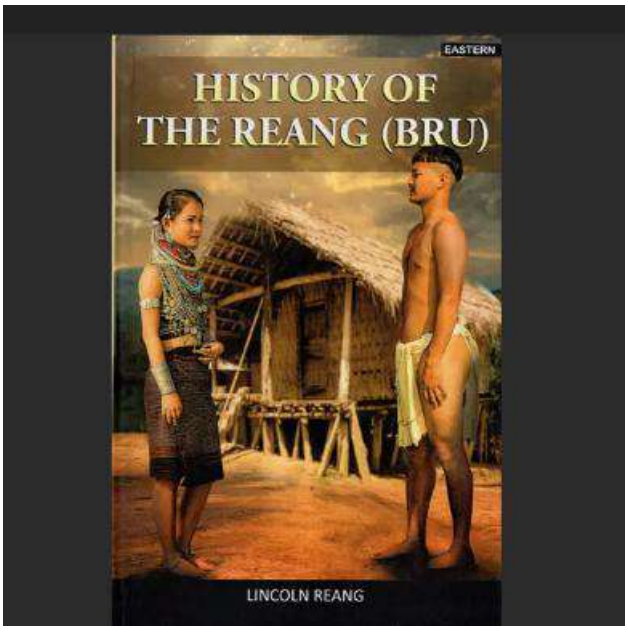
3.4.6.1 - Number of books and chapters/ units in books/ SLMs published of the institution during the year 2023-2024.

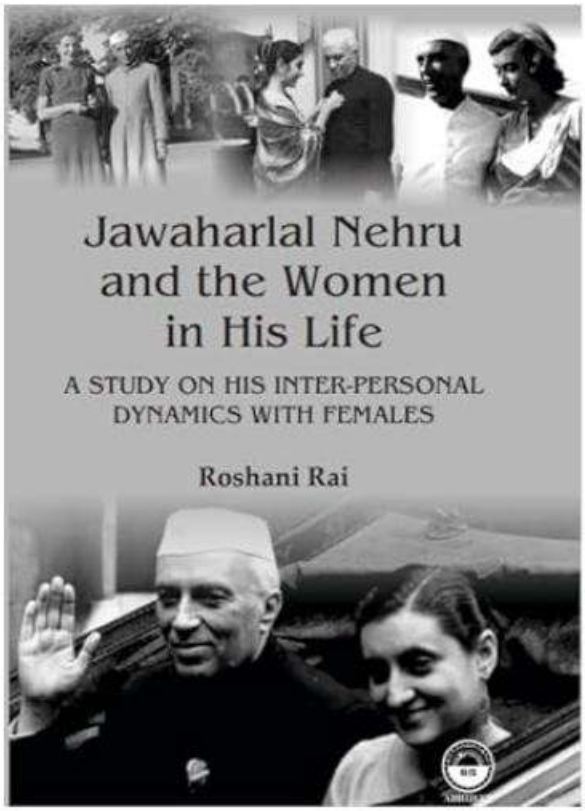
The relevant and supporting documents for the above mentioned criteria are attached in annexures.

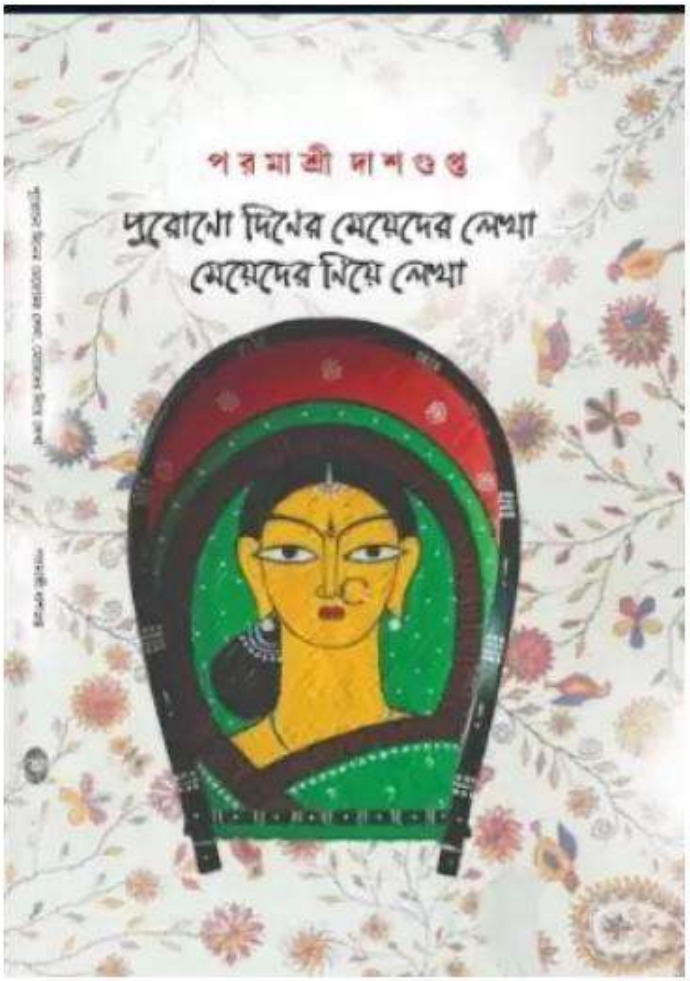
27/9/23
Registrar

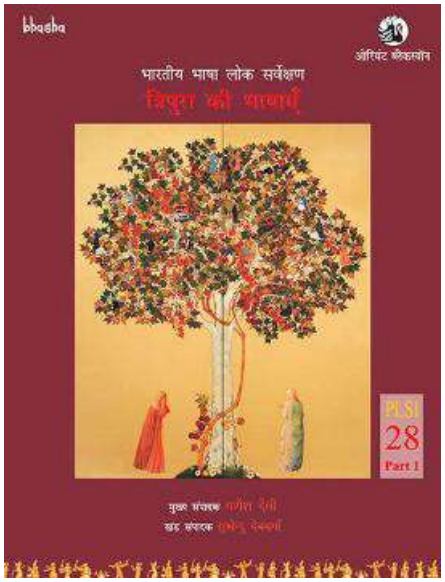
(Dr. Deepak Sharma)
Registrar
Tripura University

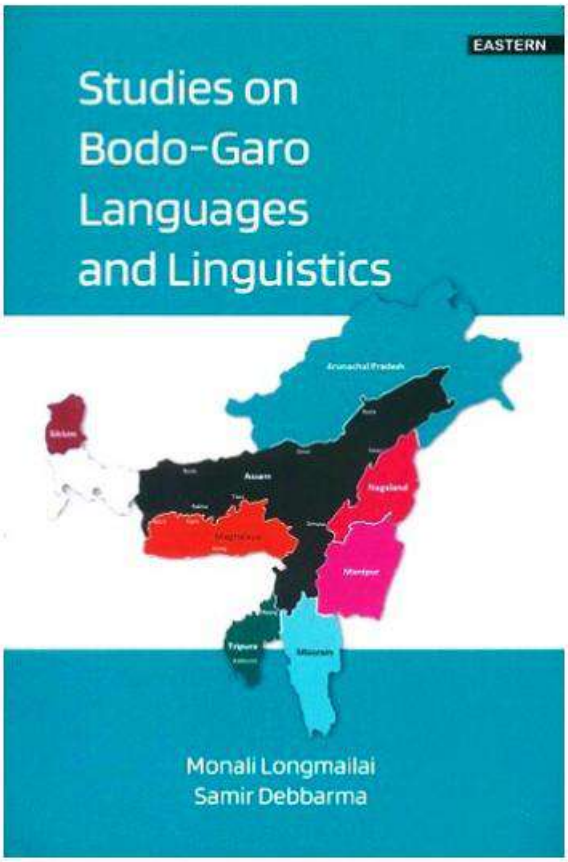

SOCIO-ECONOMIC IMPACT
STUDY WITH CONCURRENT
EVALUATION ON AGRICULTURE/
HORTICULTURE BASED SCHEMES
Subhrabaran Das


EASTERN
HISTORY OF
THE REANG (BRU)
LINCOLN REANG


Jawaharlal Nehru
and the Women
in His Life
A STUDY ON HIS INTER-PERSONAL
DYNAMICS WITH FEMALES
Roshani Rai


পরমাশ্রী দাশগুপ্ত
পুরোনো দিনের মেয়েদের লেখা
মেয়েদের নিয়ে লেখা


bhasha
ओरिएंट ब्लैकस्वान
भारतीय भाषा लोक सर्वेक्षण
त्रिपुरा की भाषाएँ
PLSI
28
Part 1


EASTERN
Studies on
Bodo-Garo
Languages
and Linguistics
Monali Longmailai
Samir Debbarma

Book | Full-text available

Value and Environmental Education

December 2023

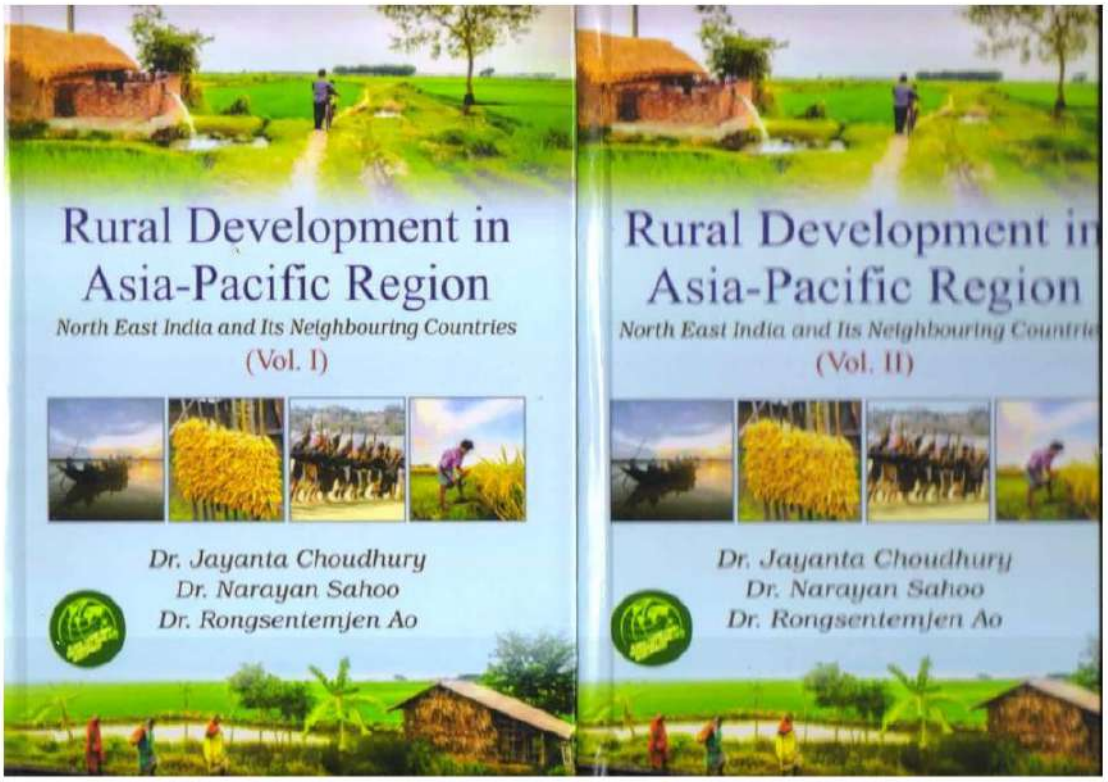
Sm Farooque · Ahsan Huda Yumkhaibam

Resear
Citatio
Recom
Reads

Overview | Stats | Comments | Citations | References

Abstract

No abstract



JUMARAVYĀKARAṆA-SAMĪKṢAṆAṂ

Dr. Debaraj Panigrahi
M.A., M. Phil, Ph.D., LLB
Associate Professor,
Department of Sanskrit
Tripura University
(A Centrl University)
Agartala, Tripura

उज्ज्वलशास्त्रवैभवम्

(Ujjwala-Śāstra-Vaibhavam : Professor Ujjwala Jha Commemoration Volume)

Editors

Arun Ranjan Mishra

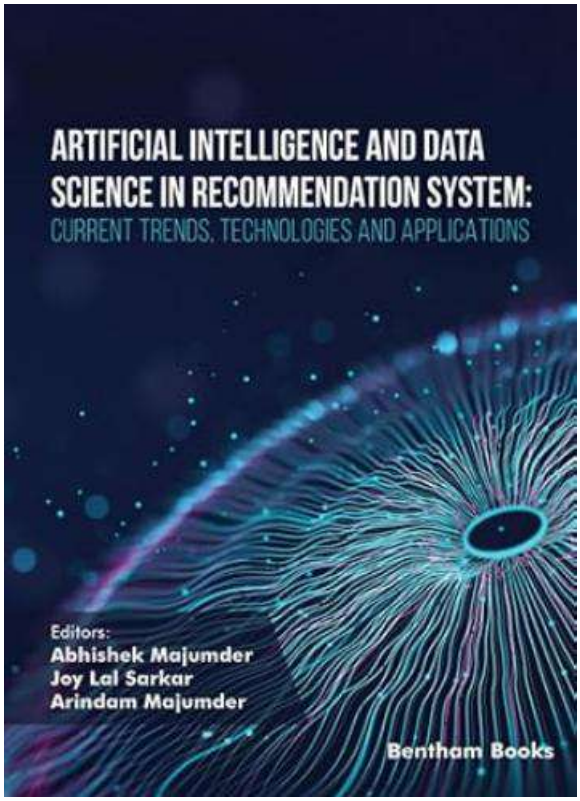
Anagha Joshi

Computer Vision

Object Detection in Adversarial Vision

Mrinal Kanti Bhowmik

CRC Press
Taylor & Francis Group
A CHAPMAN & HALL BOOK


ARTIFICIAL INTELLIGENCE AND DATA SCIENCE IN RECOMMENDATION SYSTEM:
CURRENT TRENDS, TECHNOLOGIES AND APPLICATIONS
Editors:
Abhishek Majumder
Joy Lal Sarkar
Arindam Majumder
Bentham Books

Chapter

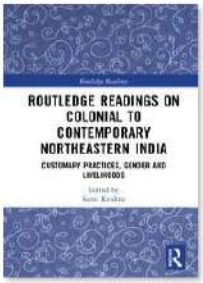
The Mimesis of Desire in Mahesh Dattani's Plays

Sexual Politics in Performance

By Partha Sarathi Gupta

Book Theatre, Margins and Politics

Edition	1st Edition
First Published	2022
Imprint	Routledge India
Pages	12



Chapter

Gender, Food Security and Rice Farming in Tripura *

By Vincent Darlong, D. K. Hore, S. Deb Barma

Book Routledge Readings on Colonial to Contemporary Northeastern India

Edition	1st Edition
First Published	2023
Imprint	Routledge India
Pages	22
eBook ISBN	9781003323921

Share

To read this content please select one of the options below:

Add to cart £23.00 (excl. tax) 30 days to view and download

Access through your institution

Access and purchase options

Treating People as a Security Threat: Australia's Response to the Issue of Asylum Seekers

Biplab Debnath

Migrations and Diasporas
ISBN: 978-1-83797-147-3, eISBN: 978-1-83797-146-6
Publication date: 23 November 2023 Permissions

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

An Integrated Approach to the Conceptualization of Emotion Regulation in Diverse Cultures

Chapter | First Online: 17 May 2024
pp 95–108 | Cite this chapter

Nutankumar S. Thingujam & Dhanabati Devi Ningombam

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Exploring Sexuality: A Psychological Stance in India

Chapter | First Online: 31 March 2024

pp 121–141 | Cite this chapter

Moutushi Bhowmik & Anjana Bhattacharjee

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

'Omics' Approaches for Structural and Functional Insights of 'Waste to Energy' Microbiome

Chapter | First Online: 14 November 2023

pp 371–402 | Cite this chapter

Ashutosh Kumar, Neeraj, Uma Chaurasiya, Deepak Kumar Maurya, Surochita Basu, Aniruddha Kumar, Sapan Patel & Vineet Kumar Maurya

Chapter

Integration of artificial intelligence toward better agricultural sustainability

May 2024
DOI: 10.52756/bhstiid.2024.e01.005
In book: A Basic Handbook of Science, Technology and Innovation for Inclusive Development [Volume: 1]
Lab: Bk Datta's Lab

Mayuri Bhagawati · Chayan Dhar · Dipan Sarma · Show all 5 authors · B K Datta

Abstract

The development and even survival of human civilization is highly dependent on agriculture. Modern human society, with a vast population, is continuously

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Signature-Based Batch Auditing Verification in Cloud Resource Pool

Conference paper | First Online: 16 April 2024
pp 181–193 | Cite this conference paper

Paromita Goswami, Munmi Gogoi, Somen Debnath & Ajoy Kumar Khan

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Home > Proceedings of Fifth International Conference on Computing, Communications, and Cyber-Security > Conference paper

Compatibility Checking to Adopt MANET in LoRaWAN for Long-Range Connectivity

Conference paper | First Online: 31 July 2024

pp 3–12 | Cite this conference paper

Sanjukta Pal ✉, R. Chawngsangpuii & Somen Debnath

Chapter

Energy Management Strategies of a Microgrid: Review, Challenges, Opportunities, Future Scope

August 2023

DOI: 10.1002/9781119847595.ch7

In book: Urban Energy Systems: Modeling and Simulation for Smart Cities · Chapter: 7 · Publisher: Wiley Online Library

Lab: Somudeep Bhattacharjee's Lab

Chiranjit Biswas · Somudeep Bhattacharjee · Uttara Das · Champa Nandi

Research Interest Score

Citations

Recommendations

Reads ⓘ

Learn abou

Overview Stats Comments Citations References (55) Request full-text S

Abstract

The generation of clean energy is crucial to sustainable growth and worldwide environmental concerns caused by climate change. Renewable energy sources have previously demonstrated their low or zero carbon emission generation efficiency. Now, the idea of a microgrid is to have a self-maintained system that consists of numerous energy resources, which can help to operate the microgrid

Chapter

Endophytic Microbes in Agarwood Oil Production from Aquilaria malaccensis Lam. Engendering Bio-Resources for Socioeconomic Development

By Bipul Das Chowdhury, Abhijit Bhattacharjee, Bimal Debnath

Book Advanced Green Technology for Environmental Sustainability and Circular Economy

Edition	1st Edition
First Published	2024
Imprint	CRC Press
Pages	28

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

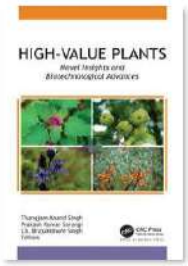
Home > Climate Crisis, Social Responses and Sustainability > Chapter

Ecosystem-Based Adaptation with Bamboo-Based Livelihood Diversification: A Case Study in India's Eastern Himalayas

Chapter | First Online: 29 May 2024

pp 665–694 | Cite this chapter

Lumgailu Panmei & Thiru Selvan



Chapter

Processing and Potential of Broom Grass (Thysanolaena latifolia)

By Achintya Kumar Sinha, Mihir Kumar Reang, Sourabh Deb

Book High-Value Plants

Edition	1st Edition
First Published	2024
Imprint	Apple Academic Press
Pages	14
eBook ISBN	9781003457572

Share

Chapter Full-text available

Utilisation of geospatial approach and WAWQI for sustainable wetland management: a case study of Rudrasagar wetland, the Ramsar site of India

December 2023

In book: Geoinformatic Applications in Land, Water and Infrastructure Development · Publisher: Global Publishing House, India

Lab: Regional Planning and Urban & Rural Development Lab (RPURDL)

Pradip Debnath · Stabak Roy · Saptarshi Mitra

Research Ir
Citations
Recommen
Reads

Overview Stats Comments Citations (1) References

Abstract

Chapter | Full-text available

Regional Statistics of Northeast India: Paradigm of Development

September 2023

In book: Development Perspectives

Labs: Regional Planning and Urban & Rural Development Lab (RPURDL) · Regional Synthesis Lab (RSL)

Malabika Boruah · Stabak Roy · Samrat Hore · Saptarshi Mitra

Resea
Citatic
Recor
Reads

Abstract and figures

Regional statistics help to observe and understand realism mostly from a regional aspect. Now a days, regional statistics play a crucial role in decision-making. The easternmost region of India is known as Northeast India, and it serves as both a geographical and political administrative division of the nation. Arunachal

Chapter Full-text available

An Exercise on Valuation of Urban Heritage Site, A Comparative Study of Victoria Memorial Hall and Indian Museum, Kolkata

July 2023
DOI: 10.1007/978-3-031-31399-8_19
In book: Environmental Management and Sustainability in India
Lab: Eshita Boral's Lab

Tuhin Kanti Ray · Pallavi Sarkar · Bulti Das · Eshita Boral

Res
Cita
Rec
Rea

Overview Stats Comments Citations References (38)

Abstract

The qualities of a city that have been passed down through the generations constitute its urban heritage. Compared to more pressing concerns, the preservation of urban cultural artefacts like historic structures and monuments is often given short shrift. However, efficient conservation of heritage materials not

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Home > The Himalayas in the Anthropocene > Chapter

Exploring the Ramifications of Unorganized Tourism Practices and Associated Challenges in the Sikkim Himalayas Through Machine Learning Approach

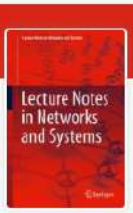
Chapter | First Online: 17 February 2024

pp 133–150 | Cite this chapter

Stabak Roy & Saptarshi Mitra

136 Accesses

Springer



Book series

Lecture Notes in Networks and Systems

Editors

About this book series

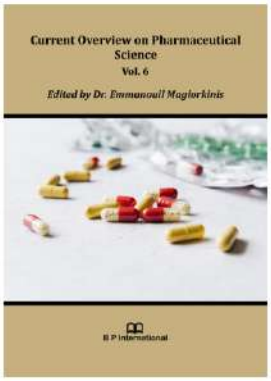
The series "Lecture Notes in Networks and Systems" publishes the latest developments in Networks and Systems—quickly, informally and with high quality. Original research reported in proceedings and post-proceedings represents the core of LNNS.

Volumes published in LNNS embrace all aspects and subfields of, as well as new challenges in, Networks and Systems. — show all

Current Overview on Pharmaceutical Science Vol. 6

HOME ABOUT BOOKS TESTIMONIALS EDITORS CHARGES SUBMISSION CONTACT

Home / Books / Current Overview on Pharmaceutical Science Vol. 6 / Chapters



Dose-Responsive Effect of Sub-acute Lead Exposure on Alteration of Carbohydrate Metabolism in Murine Model

Sudipta Pal

Current Overview on Pharmaceutical Science Vol. 6, 4 February 2023, Page 89-103
https://doi.org/10.9734/bpi/cops/v6/9485F
Published: 2023-02-04

View Article Cite Statistics Share

Abstract

The dose-responsive effect of sub-acute lead exposure on carbohydrate metabolism was evaluated. Five groups of Swiss albino male mice were formed; a control group and other lead-treated groups; Group A (5 mg/kg body weight), Group B (10 mg/kg body weight), Group C (15 mg/kg body weight) and Group D (20 mg/kg body weight). Lead exposure caused significant reduction in blood and hepatic glucose levels as well as liver glycogen content in a dose-dependent manner; the most remarkable effect was noted in group D. All of the treated groups experienced a considerable decline in glucose 6-phosphatase activity. Dose-dependent increase in pyruvic acid content was found to be associated with decrease in pyruvate dehydrogenase, malate dehydrogenase and transaminase enzyme activities. Additionally, increased free amino acid nitrogen in liver after lead exposure may provide more substrates for gluconeogenesis. So,

View PDF Download full issue

ELSEVIER

Results in Engineering
Volume 24, December 2024, 103448

Automated lung cancer detection using novel genetic TPOT feature optimization with deep learning techniques

Mohamed Hammad [a b], Mohammed ElAffendi [a], Muhammad Asim [a c], Ahmed A. Abd El-Latif [a d], Radwa Hashiesh [b]

Show more

+ Add to Mendeley Share Cite

https://doi.org/10.1016/j.rineng.2024.103448

Get rights and content

Under a Creative Commons license

open access

Highlights

Chapter

Automatic Detection of Diabetic Retinopathy to Avoid Blindness

September 2023
DOI: 10.1201/9781003324430-16
In book: Applied Artificial Intelligence · Edition: 1st · Chapter: 13 · Publisher: CRC Press
Lab: Swanirbhar Majumder's Lab

Smita Das · Sushanta Das · Saptarsi Debray · Show all 5 authors · Swanirbhar Majumder

Research Interest
Citations
Recommendation
Reads

Abstract

An active microvascular condition of diabetes mellitus called diabetic retinopathy (DR) causes blurred vision, floaters, and difficulties seeing colors and sometimes results in permanent vision loss. Clement's cases may be treated with cautious management of diabetes. Advanced cases may need surgery or laser treatment.

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Automatic Detection of Diabetic Retinopathy from Retinal Fundus Images Using MobileNet Model

Conference paper | First Online: 21 June 2024
pp 303–313 | Cite this conference paper

Smita Das, Madhusudhan Mishra & Swanirbhar Majumder

Integrated Energy Systems: Design, Control and Operation

$95.00 – $155.00

Bikram Das – Assistant Professor, Electrical Engineering Department, NIT Agartala, Tripura, India
Abanishwar Chakraborti – Assistant Professor, Electrical Engineering Department, NIT Agartala, Tripura, India
Arvind Kumar Jain – Associate Professor, Electrical Engineering Department, NIT Agartala, Tripura, India
Subhadeep Bhattacharjee – Associate Professor, Electrical Engineering Department, NIT Agartala, Tripura, India

Series: Energy Science, Engineering and Technology; Renewable Energy: Research, Development and Policies
BISAC: TEC031010; TEC007000; TEC031020
DOI: https://doi.org/10.52305/SLPI5681

This book describes the foundations of energy resources and includes most of the important aspects and relevant issues of conventional and non-conventional energy sources. It thoroughly explains the facets of energy conversion processes from food waste, including comparative analyses, benefits, and challenges associated with building an

Chapter

Recent Advancements in Artificial Intelligence and Machine Learning in Sustainable Energy Management

By Chiranjit Biswas, Abanishwar Chakraborti, Swanirbhar Majumder

Book Sustainable Energy Solutions with Artificial Intelligence, Blockchain Technology, and Internet of Things

Edition	1st Edition
First Published	2023
Imprint	CRC Press
Pages	12
eBook ISBN	9781003356639

Share

A Survey on MAC Protocol Approaches for Underwater Wireless Sensor Networks

Publisher: IEEE Cite This PDF

Ahmed Al Guqhaiman ; Oluwatobi Akanbi ; Amer Aljaedi ; Chinghua Edward Chow All Authors

62 Cites in Papers
2156 Full Text Views

Abstract
Document Sections
I. Introduction
II. Challenges of UWSNs Communication

Abstract:
Since communications in the Underwater Wireless Sensor Networks (UWSNs) have limited resources and capabilities, designing an efficient and reliable Media Access Control (MAC) protocol for UWSNs faces many challenges. UWSNs have limited bandwidth, power, memory, long propagation delay, high Bit Error Rate (BER), and unreliable communication. Current MAC protocols that have been designed for Terrestrial Wireless Sensor Networks (TWSNs) are not suitable for UWSNs. While the software-based mechanisms promise many

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Synthesis of Fault-Tolerant QCA Logic Circuit Using Cellular Automata

Conference paper | First Online: 19 April 2024
pp 182–191 | Cite this conference paper

Amit Kumar Pramanik ✉, Jayanta Pal & Bibhash Sen

Chapter

A Study on Interval-Valued Intuitionistic Fuzzy Oscillatory Region

July 2023
DOI: 10.1007/978-981-99-2768-5_1
In book: Proceedings of International Conference on Advanced Communications and Machine Intelligence

Tandra Sarkar · Sharmistha Bhattacharya Halder

Re
Cit
Re
Re

Overview | Stats | Comments | Citations | References (21)

Abstract

This paper focuses on the introduction of the interval-valued intuitionistic fuzzy set (IVIFS) and its oscillatory region. This concept is based on the IVIFS and its oscillatory region. The image of dissimilar gray levels cannot be solved by FS, so IFS appeared and then IVIFS is introduced which is more dominant in dealing with

SPRINGER NATURE Link

Find a journal | Publish with us | Track your research | Search

Home > Advances in Functional Analysis and Fixed-Point Theory > Chapter

Gradual Normed Linear Spaces

Chapter | First Online: 23 April 2024
pp 121–141 | Cite this chapter

Shyamal Debnath & Chiranjib Choudhury

Part of the book series: Industrial and Applied Mathematics ((INAMA))

Purchase PDF Access through another organization

Tripura University does not subscribe to this content on ScienceDirect.

Evolving Landscape of Molecular Diagnostics
Applications and Techniques
2024, Pages 25-40

Chapter 2 - Molecular diagnostics for bacteria, virus, and fungi

Shaon Ray Chaudhuri [1], Radhashree Maitra [2]

Show more

+ Add to Mendeley Share Cite

https://doi.org/10.1016/B978-0-323-99316-6.00009-3 Get rights and content

Abstract

Chapter

Extremophile Biofilm Behavior, Characterization and Economical Applications.

January 2023

DOI: 10.1201/9781003335221.

In book: Extremophiles Wastewater and Algal Biorefinery. · Publisher: CRC Press, Taylor & Francis Group, New York.

Lab: Halis Simsek's Lab

Shashi Bhushan · Jayakrishnan .U · Shaon Ray Chaudhuri · Halis Simsek

Abstract

Life on Earth had been continuously evolving for millennia, with living organisms colonizing every suitable ecosystem on the biosphere. Prokaryotes are the apex life form in this evolutionary track that has pushed the boundaries in which life can exist. Microscopic life forms have been thriving under extreme conditions on

Chapter

Bio-nanoparticle

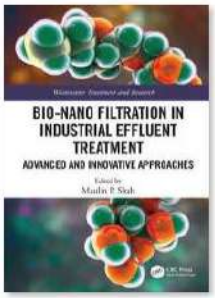
Synthesis and Application in Wastewater Treatment

By Swatilekha Pati, Somok Banerjee, Shaon Ray Chaudhuri

Book Bio-Nano Filtration in Industrial Effluent Treatment

Edition	1st Edition
First Published	2023
Imprint	CRC Press
Pages	20
eBook ISBN	9781003165149

Share



Chapter

Tailor-Made Microbial Wastewater Treatment

By Shaon Ray Chaudhuri

Book Bio-Nano Filtration in Industrial Effluent Treatment

Edition	1st Edition
First Published	2023
Imprint	CRC Press
Pages	15
eBook ISBN	9781003165149

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Home > Technological Advancement in Algal Biofuels Production > Chapter

Algae–Bacterial Mixed Culture for Waste to Wealth Conversation: A Case Study

Chapter | First Online: 22 November 2022

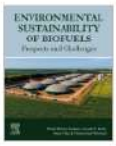
pp 271–295 | Cite this chapter

Somok Banerjee, Swatilekha Pati & Shaon Ray Chaudhuri

Purchase PDF Access through another organization

Tripura University does not subscribe to this content on ScienceDirect.

Environmental Sustainability of Biofuels
Prospects and Challenges
2023, Pages 299-312



Chapter 17 - Are algal biofuels an answer to the petrochemical crisis?

Shaon Ray Chaudhuri

Show more

+ Add to Mendeley Share Cite

https://doi.org/10.1016/B978-0-323-91159-7.00007-2 Get rights and content

Abstract

Futuristic Trends in Biotechnology
e-ISBN: 978-93-6252-220-7
IIP Series, Volume 3, Book 24, Part 2, Chapter 3
METHODS OF BIOREMEDIATION AND THEIR RECENT ADVANCEMENT
FOR ENHANCEMENT OF GREEN AND SUSTAINABLE ENVIRONMENT

METHODS OF BIOREMEDIATION AND THEIR RECENT ADVANCEMENT FOR ENHANCEMENT OF GREEN AND SUSTAINABLE ENVIRONMENT

Abstract

This article seeks to present an in-depth review of various bioremediation techniques and strategies used to promote the remediation process for the enhancement of sustainable development. Environmental pollution caused by xenobiotics and other associated non-biodegradable substances, which has lately been discovered as a severe hazard to both the natural environment and the health of animals including humans, is one of the main global concerns for human sustainability. Due to industrialization, a variety of pollutants, including plastics,

Authors

Krishna Borgohain
Department of Microbiology
Tripura University
Agartala, Tripura, India

Rajdeep Dhar
Junior Project Fellow
Genetics and Tree Improvement Division
ICFRE Rain Forest Research Institute
Jorhat, Assam, India

Dr. Bipin Kumar Sharma
Assistant Professor

SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Home > Proceedings of the NIELIT's International Conference on Communication, Electronics and Digital Technology > Conference paper

Screening and Characterization of Aroma and Flavor-Producing Bacteria and Yeast from Traditional Fermented Food and Beverages of Northeast, India

Conference paper | First Online: 31 July 2024

pp 455–476 | Cite this conference paper

Debashree Borthakur, Esha Barlaskar, Smriti Priya Medhi & Bipin Kumar Sharma

Part of the book series: Lecture Notes in Networks and Systems ((LNNS,volume 1022))

Tripura University does not subscribe to this content on ScienceDirect.

ACADEMIC PRESS

Cannabis and its Derivatives

Guide to Medical Application and Regulatory Challenges

2024, Pages 37-91

Chapter 2 - Cannabis and its derivatives: Guide to medical application and regulatory challenges

Gangotri Debbarma, Pratap Chandra Acharya

Show more

+ Add to Mendeley Share Cite

https://doi.org/10.1016/B978-0-443-15489-8.00002-5

Get rights and content

Chapter | Full-text available

Impact of Rubber Leaf Litter Vermicompost on Earthworm Population and Pineapple (Ananas comosus) Productivity in West Tripura, India

May 2024
DOI: 10.9734/bpi/racas/v9/3694G
In book: Research Advances and Challenges in Agricultural Sciences Vol. 9 · Publisher: B P International

Lab: Prof. Priyasankar Chaudhuri's lab

Dr Animesh Dey · Priyasankar Chaudhuri

Abstract

Background: The task of modern agriculture is to protect the environment, reduce expenses, and promote social stability while maintaining high agricultural yields. Organic soil additions, such as vermicompost, can help achieve such a

Screening and Characterization of Aroma and Flavor-Producing Bacteria and Yeast from Traditional Fermented Food and Beverages of Northeast, India

Debashree Borthakur · Esha Barlaskar · Smriti Priya Medhi · Bipin Kumar Sharma

Publisher Website · Google Scholar · Add to Library · Cite · Share

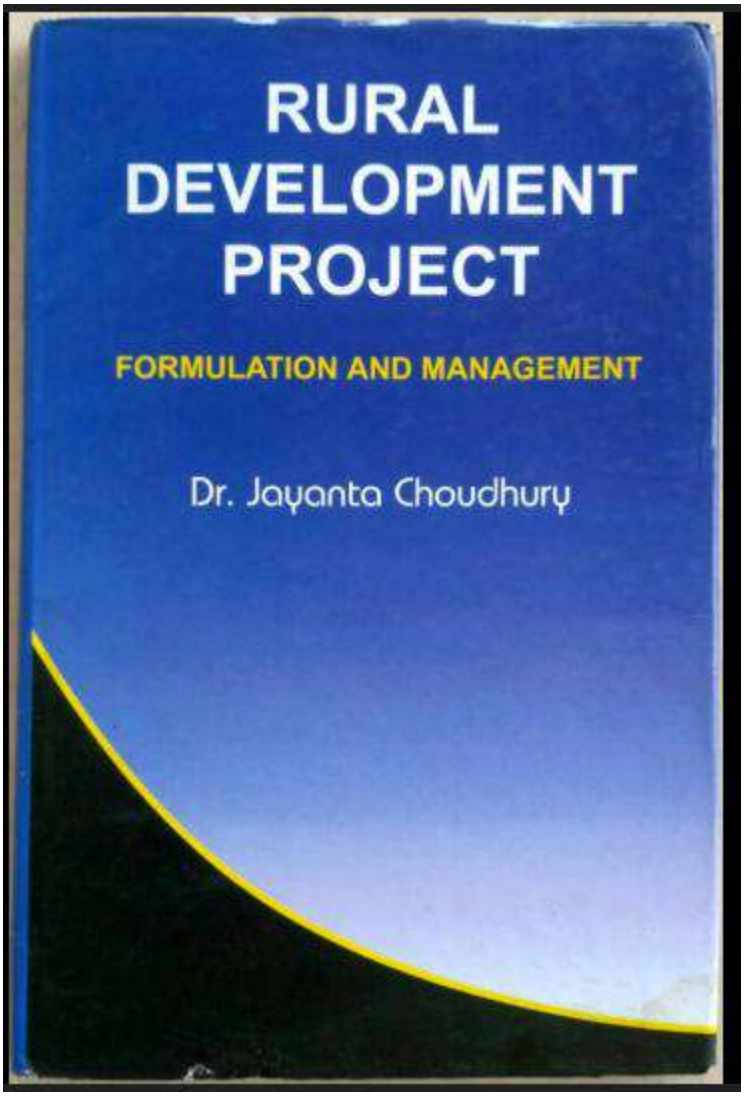
31 July 2024
Book Chapter | Published by Springer Nature
p. 455–476 https://doi.org/10.1007/978-981-97-3601-0_33

Abstract

No abstract available

Keywords

STARTER CULTURE · FLAVOR PRODUCTION · FERMENTED FOODS · LACTIC ACID BACTERIA



Abstract

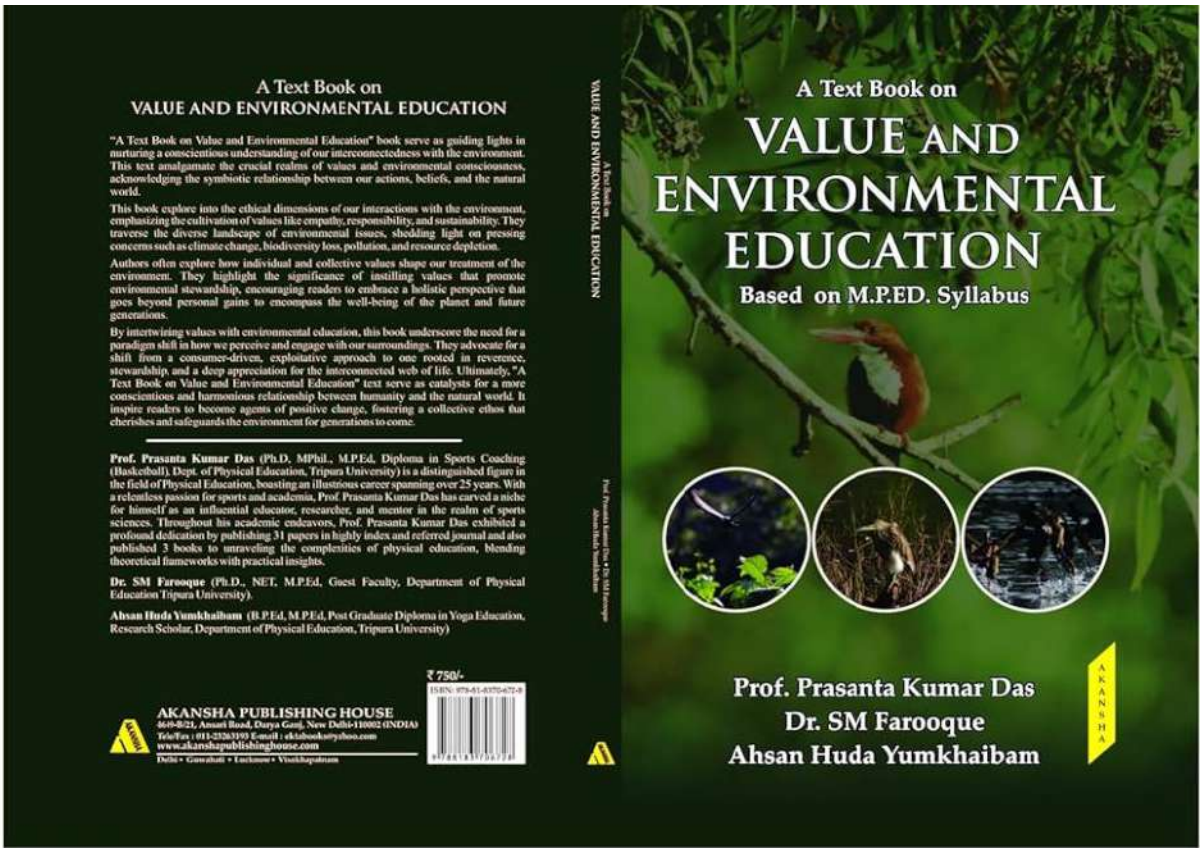
Chapter 10 | 28 pages

Endophytic Microbes in Agarwood Oil Production from Aquilaria malaccensis Lam.

Engendering Bio-Resources for Socioeconomic Development

By *Bipul Das Chowdhury, Abhijit Bhattacharjee, Bimal Debnath*

Abstract



Chapter

Automatic Detection of Diabetic Retinopathy to Avoid Blindness

By Smita Das, Sushanta Das, Saptarshi Debray, Madhusudhan Mishra, Swanirbhar Majumder

Book Applied Artificial Intelligence

Edition	1st Edition
First Published	2023
Imprint	CRC Press
Pages	14
eBook ISBN	9781003324430

Share

Chapter

Automated Prediction of Lung Cancer Using Deep Learning Algorithms

By S. Das, P. Kumar, S. Pal, S. Majumder

Book Applied Artificial Intelligence

Edition	1st Edition
First Published	2023
Imprint	CRC Press
Pages	28
eBook ISBN	9781003324430

Share

ABSTRACT

Globally, in recent times one of the most common cancers is lung cancer. Lung cancer is considered an important contributor for death with cancer equally in urban and rural areas. Artificial intelligence algorithms can classify nodules from lung CT images as either benign or malignant. Automated computer-aided diagnosis systems using deep learning algorithms, a subset of artificial intelligence, have established outstanding precision in analysis of images for lung cancer detection. From this study, we can say that computer-aided diagnostics systems not only assist radiologists but pathologists too during screening of patients suffering from lung cancer. But one problem with deep learning is that it is often considered a "black box." To mitigate this, we need explanatory artificial intelligence. In our research work, we have implemented a simple CNN model and the InceptionV3 CNN Model for detection of lung cancer on the IQ-OTH/NCCD and Kaggle open database. We have obtained accuracy of 93.44% with the simple CNN model and 88.83% with the InceptionV3 CNN Model. Some methods, like screening with low-dose chest CT and pulmonary function tests (PFTs), are required for detection of lung cancer in smokers or ex-smokers. The last section of the chapter concludes with the summary of the study.

[B12] S. Dasgupta, **A. Roy** and K. Roy, **"A Survey on Single-Channel MAC Protocols for Underwater Wireless Sensor Networks"**, *In: New Horizons in Higher Education and Research: Multidisciplinary Interfaces,* National Conference on Higher Education and Research: Towards a Transformative and Sustainable Society (HERTSS-2023), Tripura University (A Central University), Agartala, India, 10-12 October 2023 [**Download PDF**]

CHAPTER 2 Cannabis and its derivatives: Guide to medical application and regulatory challenges.....37

Gangotri Debbarma and Pratap Chandra Acharya

1 Introduction 37

2 Chemistry and constituents of cannabis.....37

2.1 Cannabinoids.....38

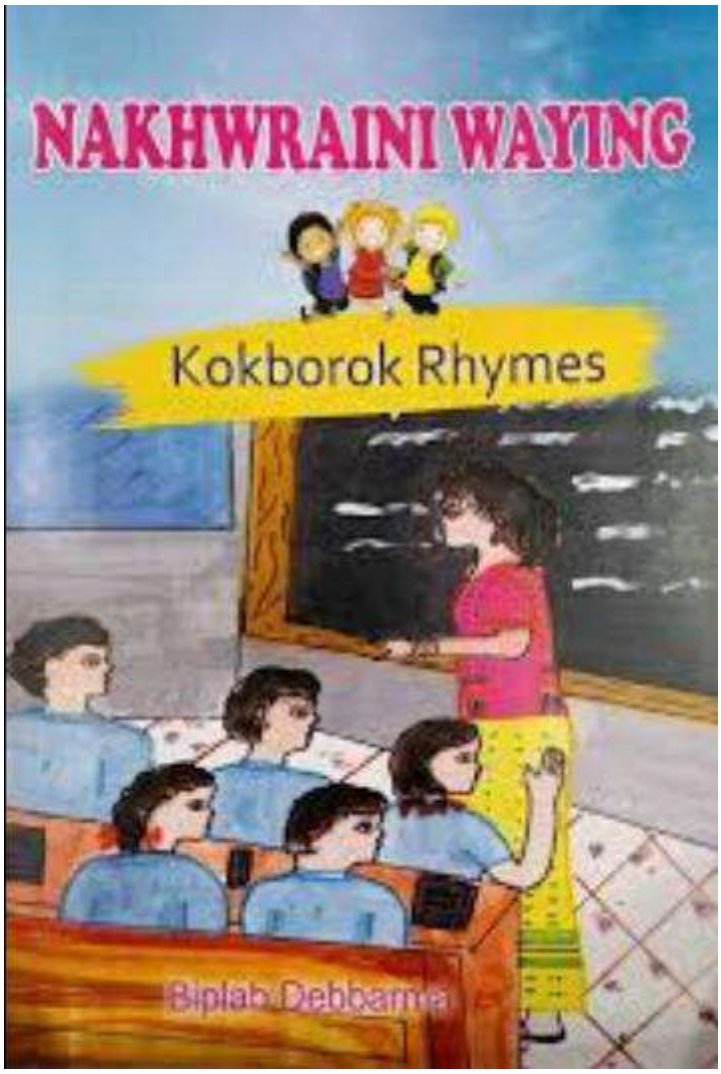
2.2 Cannabigerol (CBG) type.....39

2.3 Cannabichromene (CBC) type.....40

2.4 Cannabidiol (CBD) type.....40

2.5 (−)-Δ^9-trans-tetrahydrocannabinol (Δ^9-THC) type.....40

2.6 (−)-Δ^8-trans-tetrahydrocannabinol (Δ^8-THC) type.....41



SPRINGER NATURE Link

Find a journal Publish with us Track your research Search

Home > Advances in Functional Analysis and Fixed-Point Theory > Chapter

Gradual Normed Linear Spaces

Chapter | First Online: 23 April 2024

pp 121–141 | Cite this chapter

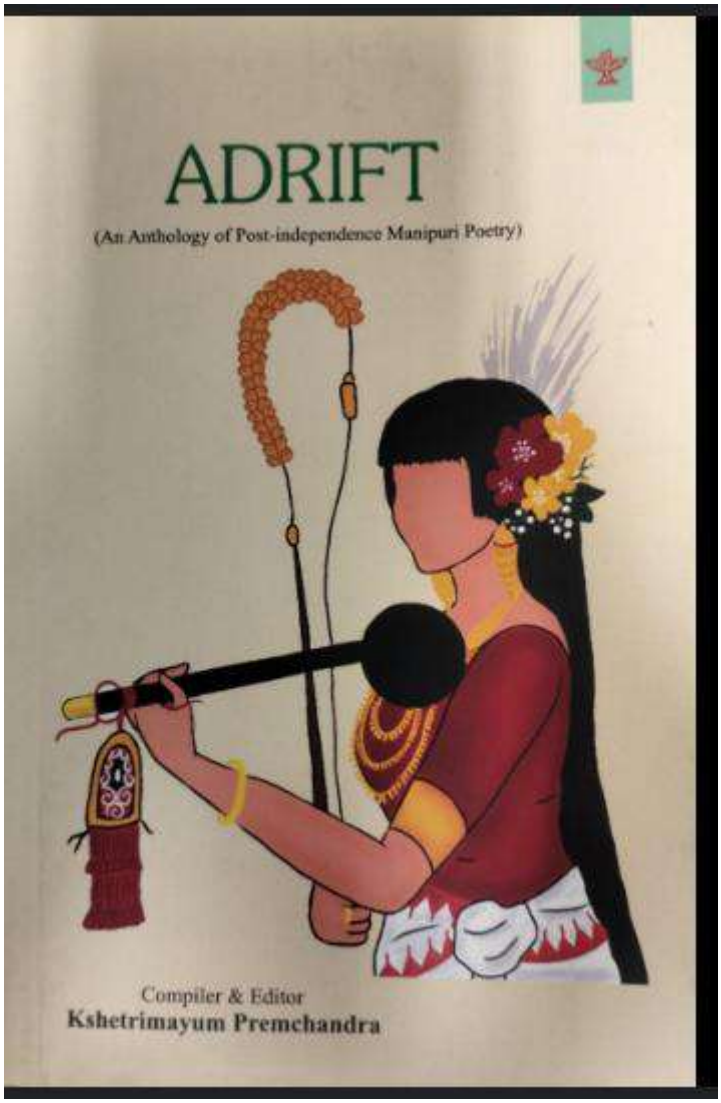
Shyamal Debnath & Chiranjib Choudhury

Part of the book series: Industrial and Applied Mathematics ((INAMA))

134 Accesses

-

[B13] S. Gupta, **A. Roy** and M. Devi, "**A Survey on Ransomware Detection Methods**", *In: New Horizons in Higher Education and Research: Multidisciplinary Interfaces*, National Conference on Higher Education and Research: Towards a Transformative and Sustainable Society (HERTSS-2023), Tripura University (A Central University), Agartala, India, 10-12 October 2023 [**Download PDF**]



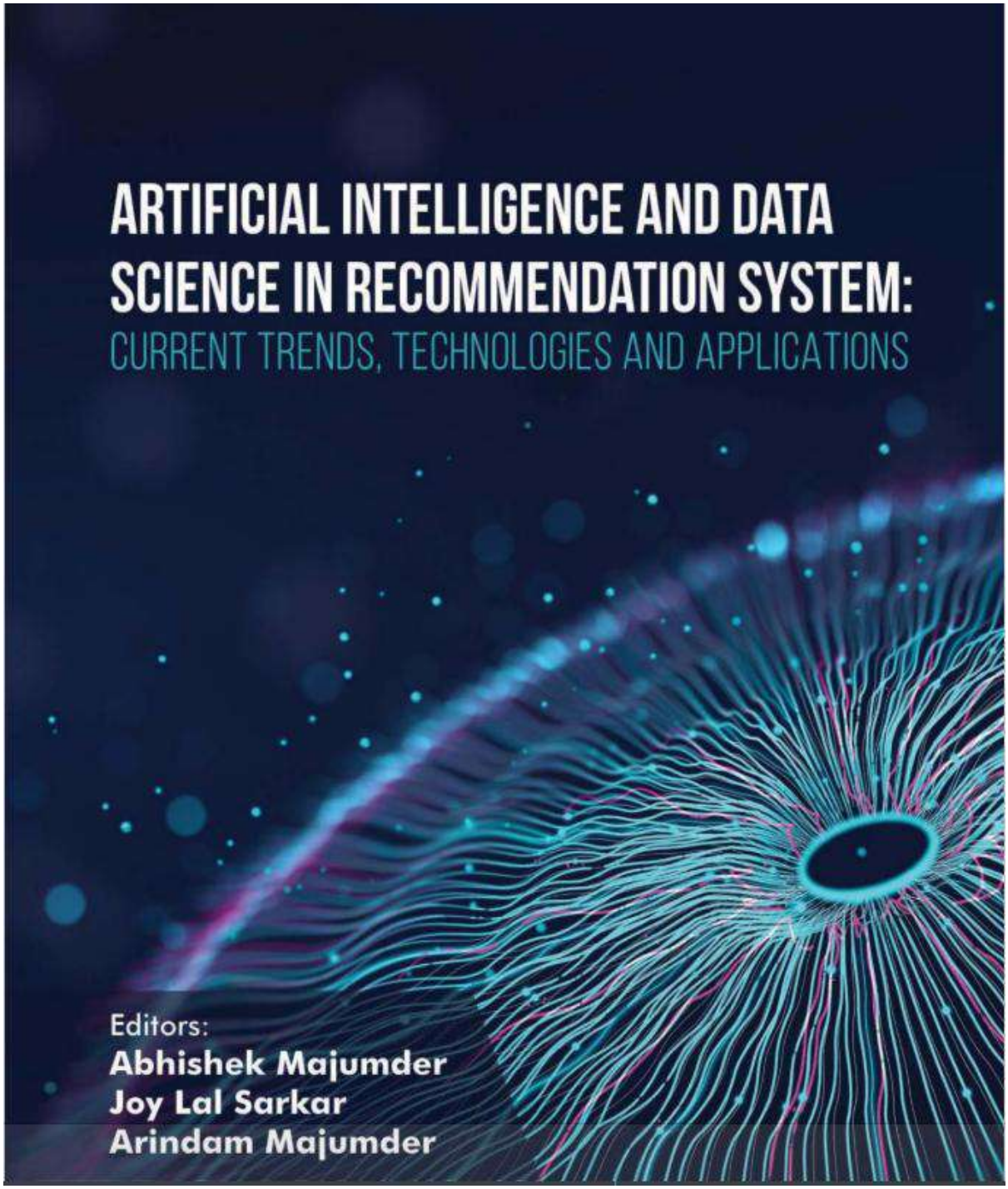
[B11] P. Karmakar and **A. Roy**, "**A Survey on Coverage and Connectivity for Underwater Wireless Sensor Network**", *In: New Horizons in Higher Education and Research: Multidisciplinary Interfaces*, National Conference on Higher Education and Research: Towards a Transformative and Sustainable Society (HERTSS-2023), Tripura University (A Central University), Agartala, India, 10-12 October 2023 [**Download** PDF]

Ecosystem-Based Adaptation with Bamboo-Based Livelihood Diversification: A Case Study in India's Eastern Himalayas

https://doi.org/10.1007/978-3-031-58261-5_29

Journal: Climate Crisis, Social Responses and Sustainability Climate Change Management, 2024, p. 665-694

Publisher: Springer Nature Switzerland


ARTIFICIAL INTELLIGENCE AND DATA SCIENCE IN RECOMMENDATION SYSTEM:
CURRENT TRENDS, TECHNOLOGIES AND APPLICATIONS
Editors:
Abhishek Majumder
Joy Lal Sarkar
Arindam Majumder

Anjan Mukherjee
Ajoy Kanti Das

Essentials of Fuzzy Soft Multisets

Theory and Applications

Springer

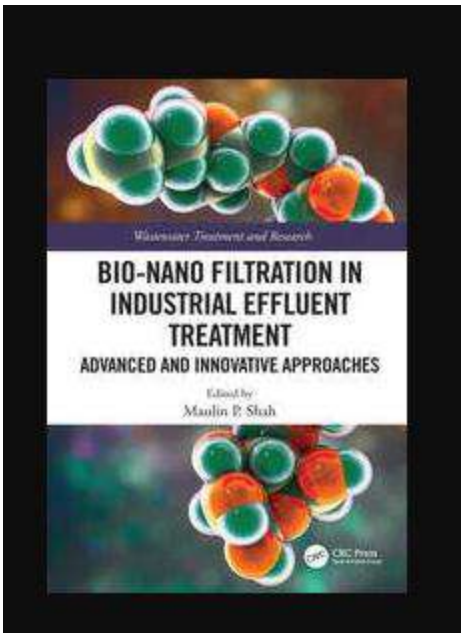
Chapter 9 | 20 pages

Bio-nanoparticle

Synthesis and Application in Wastewater Treatment

By Swatilekha Pati, Somok Banerjee, Shaon Ray Chaudhuri

Abstract



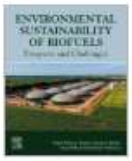
Chapter 5 | 15 pages

Tailor-Made Microbial Wastewater Treatment

By Shaon Ray Chaudhuri

Abstract

Environmental Sustainability of Biofuels
Prospects and Challenges
2023, Pages 299-312



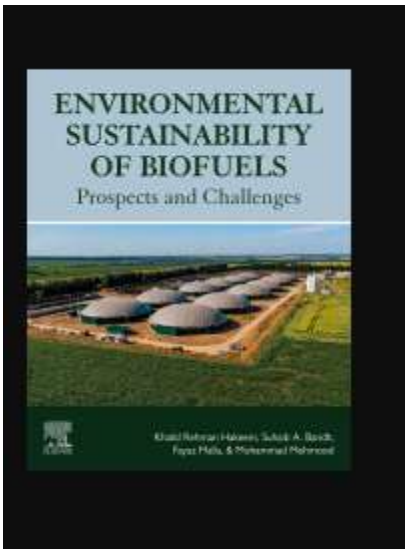
Chapter 17 - Are algal biofuels an answer to the petrochemical crisis?

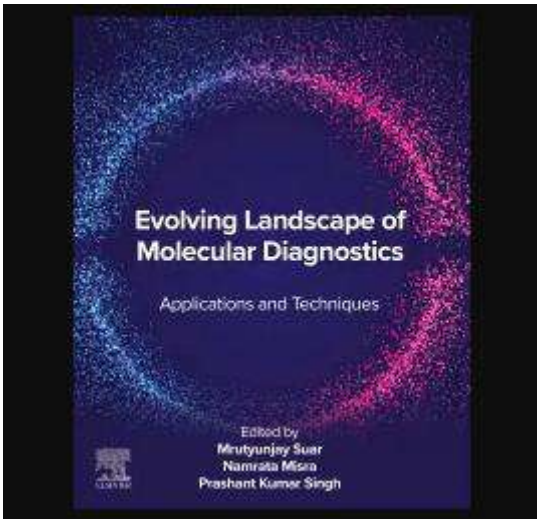
Shaon Ray Chaudhuri

Show more

+ Add to Mendeley Share Cite

https://doi.org/10.1016/B978-0-323-91159-7.00007-2 Get rights and content



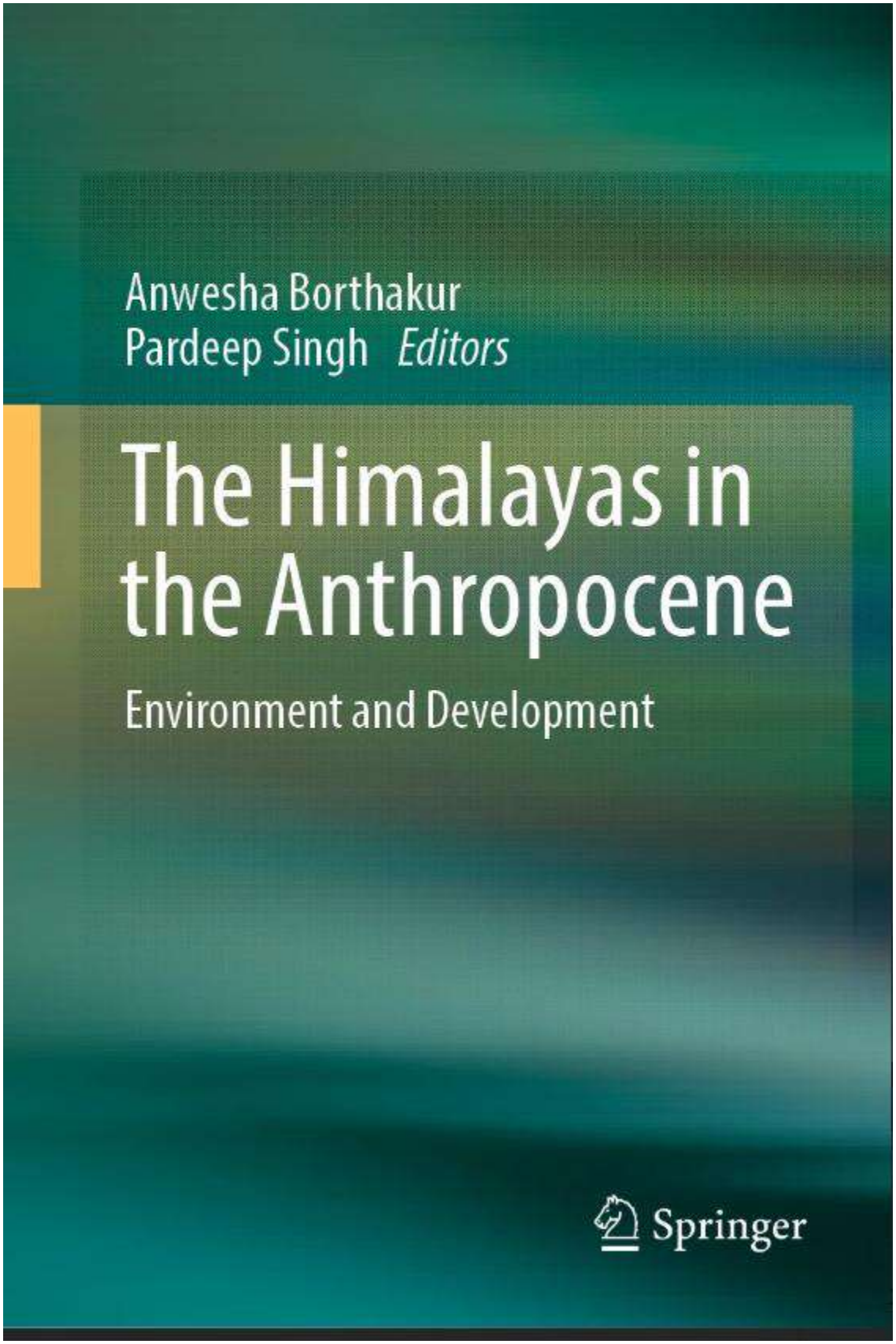


[B10] K. Roy, **A. Roy**, A. Negi, P. Sarkar, S. Gupta and S. Dasgupta, "**Multichannel MAC Protocol for Underwater Wireless Sensor Networks: A Survey**", *in: New Horizons in Higher Education and Research: Multidisciplinary Interfaces*, National Conference on Higher Education and Research: Towards a Transformative and Sustainable Society (HERTSS-2023), Tripura University (A Central University), Agartala, India, 10-12 October, 2023 [Download PDF]

Exploring the Ramifications of Unorganized Tourism Practices and Associated Challenges in the Sikkim Himalayas Through Machine Learning Approach

Stabak Roy, Saptarshi Mitra

Pages 133–150


Anwesha Borthakur
Pardeep Singh Editors
The Himalayas in the Anthropocene
Environment and Development
Springer

Brijendra Kumar Kashyap
Manoj Kumar Solanki *Editors*

Current Research Trends and Applications in Waste Management

Springer

FLOOD PREDICTION USING MACHINE LEARNING

Authors: Sumanta Saha, GONGADA NAGARAJU

Page No: 413-421

Download Article

Abstract:

Flooding can be really bad for towns and cities around the world. This thesis is about using super smart computer tools to predict floods and warn people in advance. We use a lot of weather data from different locations and try different computer methods to improve our flood predictions. We want to make sure that our predictions are not only accurate but also help communities prepare. We start by looking really closely at our weather data, fixing any problems like missing information or changes in weather

Description:

.

Volume & Issue
Volume-13,ISSUE-5

Keywords
.

Chapter 11 | 34 pages

Extremophile

Biofilm Behavior, Characterization and Economical Applications

By Shashi Bhushan, U. Jayakrishnan, Shaon Raychaudhuri, Halis Simsek

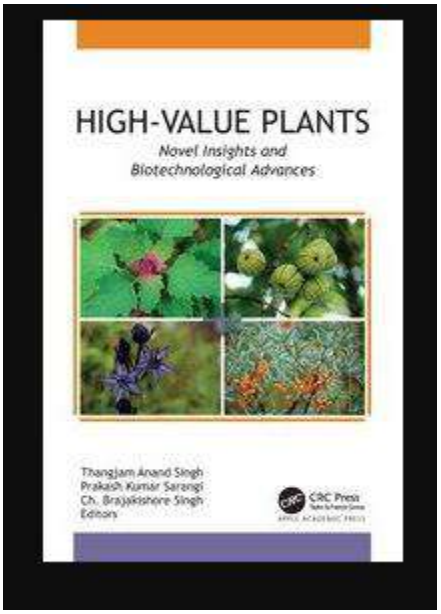
Abstract

[B14] S. K. Singh, **A. Roy**, A. Bhowmik, R. Raushan, A. Ganguly and D. Roy, "**Clustering Algorithms in Underwater Wireless Sensor Networks: A Survey**", *In: New Horizons in Higher Education and Research: Multidisciplinary Interfaces*, National Conference on Higher Education and Research: Towards a Transformative and Sustainable Society (HERTSS-2023), Tripura University (A Central University), Agartala, India, 10-12 October, 2023 **[Download PDF]**

Poppy Rajbongshi and Tapati Das

11. Processing and Potential of Broom Grass (*Thysanolaena latifolia*)

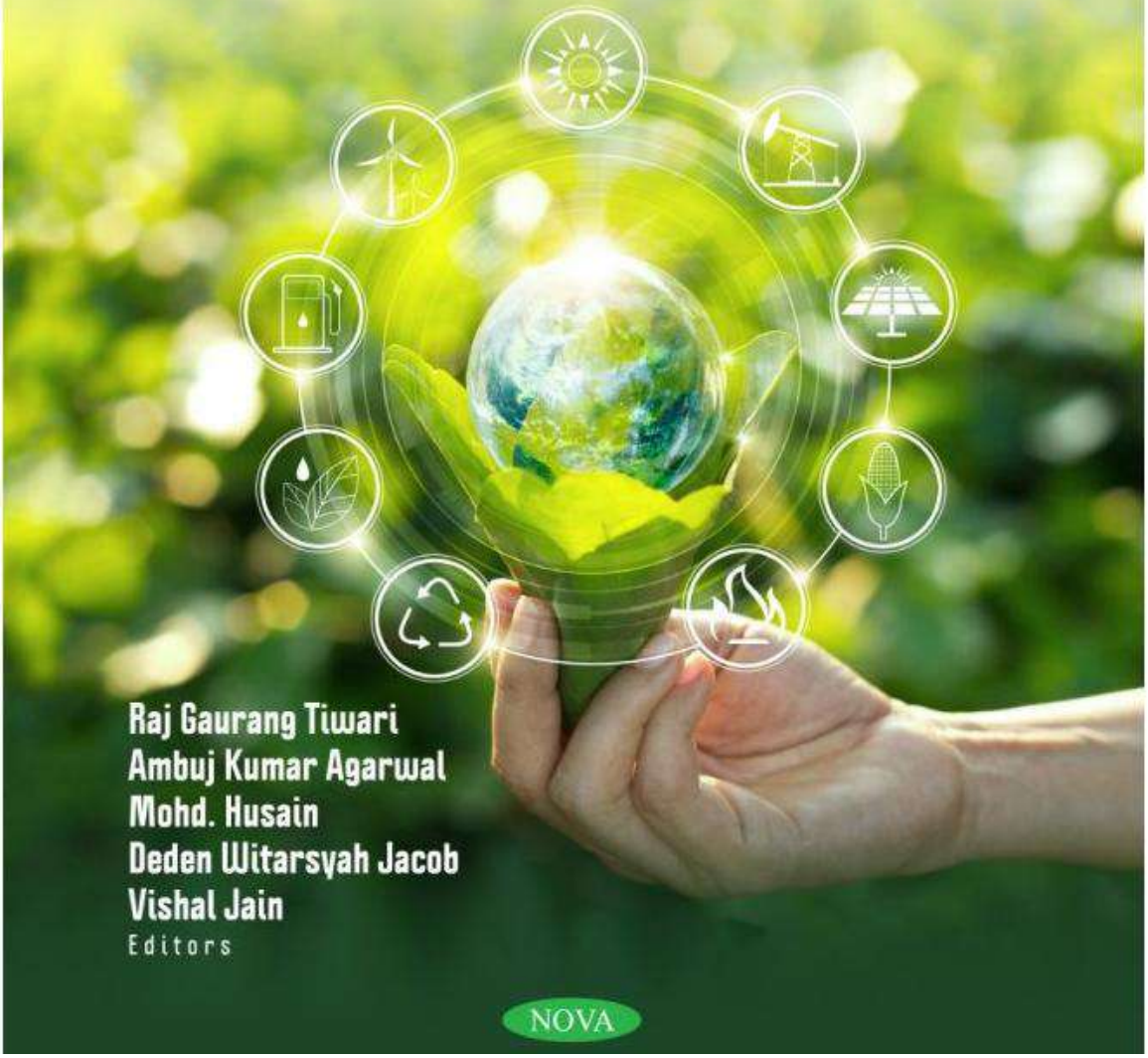
Achintya Kumar Sinha, Mihir Kumar Reang, and Sourabh Deb



Chapter 17 **Applications of Artificial Intelligence in Bioinformatics** 447
Shailesh Kumar Srivastava and Laxmi Shankar Awasthi

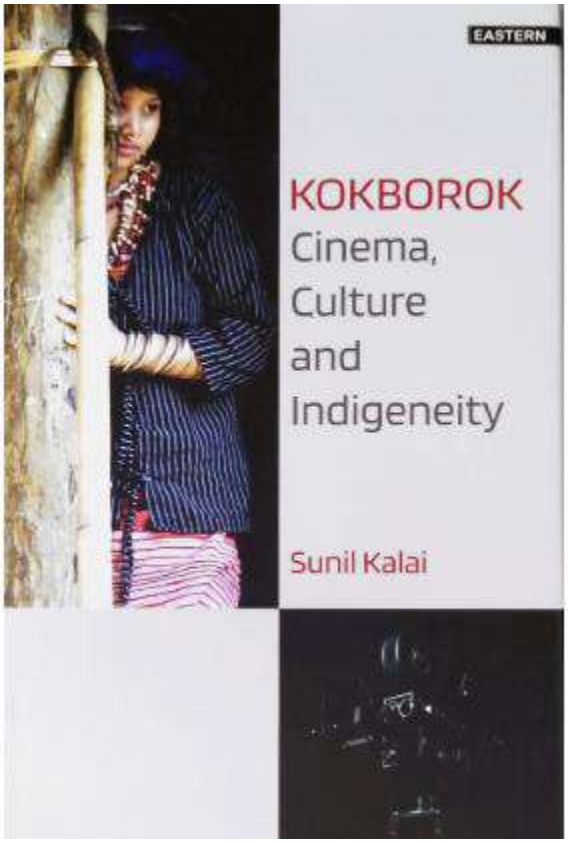
ENGINEERING AND SUSTAINABLE DEVELOPMENT

Sustainability Principles and Applications in Engineering Practice



Raj Gaurang Tiwari
Ambuj Kumar Agarwal
Mohd. Husain
Deden Witarsyah Jacob
Vishal Jain
Editors

NOVA



The Biological Activity and Synthesis of Orally Active COVID-19 (SARS-CoV-2) Antiviral Drug Molnupiravir

Tanmoy Sahoo[a,b]
[a]Fluoro-Agrochemicals, CSIR-Indian Institute of Chemical Technology, Hyderabad-500 007, India.
[b]Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201002, India.
https://orcid.org/0009-0008-5483-7136

Priyanka Shrivastava[c]
[c]Holy Cross School, Durjoynagar, Airport Road, Agartala,799006, Tripura(West), India.
https://orcid.org/0009-0009-5545-6084

Anirban Chandra[d]
Department of Chemistry, Tripura University, Suryamaninagar, 799022, Tripura(West), India.
https://orcid.org/0009-0009-8943-9530

Swapan Kumar Biswas[d]
[d]Department of Chemistry, Tripura University, Suryamaninagar, 799022, Tripura(West), India.
https://orcid.org/0000-0002-2757-7702

B. V. Subba Reddy[a]
[a]Fluoro-Agrochemicals, CSIR-Indian Institute of Chemical Technology, Hyderabad-500 007, India.
https://orcid.org/0000-0003-0814-583X

Published online: 27th May, 2024

DOI: https://doi.org/10.52756/bhstiid.2024.e01.002

Keywords: SARS-CoV-2, Antiviral, Cytidine, Uridine, D-Ribose Molnupiravir, Ribonucleoside.

International and Cultural Psychology
Series Editor: Anthony J. Marsella, Ph.D.

Girishwar Misra
Indiwar Misra *Editors*

Emotions in Cultural Context

1 **Introduction: Emerging Concerns in the Psychology of Emotions** 1
Girishwar Misra and Indiwar Misra

Part I Perspectives and Approaches to Emotions

2 **Understanding Emotions: The Received View** 19
Indiwar Misra, Surbhi Gautam, and Ashwini Kumar

3 **Emotions in Cultural Contexts: An Indian Perspective** 33
Girishwar Misra and Pallavi Ramanathan

4 **Bridging the Self-Other Divide: *Rasa*, Self-Transformation, and Well-Being in Indian Psychology** 57
Shilpa Ashok Pandit

5 **Emotions in Social and Cultural Spaces and Their Role in Meaning-Making** 83
Anand Prakash

6 **An Integrated Approach to the Conceptualization of Emotion Regulation in Diverse Cultures** 95
Nutankumar S. Thingujam and Dhanabati Devi Ningombam

7 **Understanding Micro-momentary Emotional Expressions: A Life-Span Perspective** 109
Meetu Khosla

8 **Emotions at Work: Applications of Emotional Intelligence** 129
Deeksha Sharma