

Books / Books Chapter Publication

Chemical Engineering

1. S. Das, R. Thakur, S. Dasgupta, S. Das, **B. Mandal, S. B. Kuila**, A book chapter published on “Replacement of coal by RDF (Refused Derived Fuel)”, Lecture Notes on Energy Transition: Challenges & Opportunities, IChE – CHEMCON-2023, page 327-336, 2024. ISBN No. 978-93-100-0071-9.
2. **S. B. Kuila**, R. Sutar, A. Das, D. Patra, “Synthesis and Characterization of Noble Bio-Polymeric Conducting Hydrogels” has been accepted for publication as a chapter in "Springer Nature" on 12th Nov'2024.
3. **S. Poddar**, K. Sahoo, U. S. Behera, K. G. Biswas, K. D. P. Nigam, Chapter -25: “Conversion of waste materials and CO₂ into useful products”, From Waste to Wealth, Springer Nature Singapore Pte Ltd, 2023. ISBN: 978-981-99-7551-8.
4. **S. Poddar**, U. S. Behera, “Chapter 2: Hybrid inorganic aerogels for CO₂ adsorption” Hybrid Aerogels, De Gruyter, Berlin, page 33 - 66, 2024. ISBN No. 978-311-12-5135-6.
5. S. P. Khadanga, **D. K. Samal**, P. K. Patnaik, G. K. Roy, Study of Gas Holdup, RPM and Heat Transfer Coefficient in Air and Water Pressure Swing Rotating Bubble Cap Sparger Column. In: Raghavendra, G., Deepak, B.B.V.L., Gupta, M. (eds) Recent Advances in Mechanical Engineering, Volume 1. ICMech-REC 2023. Lecture Notes in Mechanical Engineering. Springer, Singapore, 2024. ISBN 978-981-97-0917-5.
6. **L. Das**, A. Tripathi, K. GuhaBiswas, K. Deo P. Nigam, “Plastic waste and wheat straw into biofuels and conversion of wastewater into agricultural water use” From Waste to Wealth, Springer, Singapore, page 929-949, 2024. ISBN No. 978-981-99-7551-8.

Applied Electronics and Instrumentation Engineering

7. Mandal R., **Maji U.**, Pal S., "Automated emotion recognition from EEG signals using machine learning algorithms in the field of ambient assisted living" Artificial Intelligence Enabled Signal Processing Based Models for Neural Information Processing, Volume , Year 2024, Pages 65-79.
8. Mandal R., Pal S., **Maji U.**, Importance of Activity and Emotion Detection in the Field of Ambient Assisted Living, Studies in Computational Intelligence, Volume 1175, Year 2024, Pages 209-240.

Computer Science and Engineering

9. **Arpita Mazumdar**, Co-author of Book titled “Crack Campus Placements” , First Edition , ISBN 978-93-5747-811-3, Publication month/year February 2024, published by Iterative International Publishers
10. **Pinaki Pratim Acharjya**, Santanu Koley, Subhabrata Barman, “Machine Learning and Computer Vision for Renewable Energy”, ISBN13: 9798369323557, ISBN13 Softcover: 9798369347041, EISBN13: 9798369323564, IGI Global International, May, 2024. DOI: 10.4018/979-8-3693-2355-7
11. **Pinaki Pratim Acharjya**, Dr. Med Ram Verma, Dr. D Chitra, Mrs. Aruna Sandeep Mundhe, “Futuristic Trends in Computing Technologies and Data Sciences”, **E-ISBN:** 978-93-6252-901-5, **Print-ISBN:** 978-93-6252-742-4, 30th April4, 2024. <https://www.iipseries.org/fullviewdetails.php?id=850&title=iipv3ebs11g27-futuristic-trends-in-computing-technologies-and-data-sciences>.

12. Pinaki Pratim Acharjya, Santanu Koley, **Subhabrata Barman**, “Machine Learning and Computer Vision for Renewable Energy”, ISBN13: 9798369323557, ISBN13 Softcover: 9798369347041, EISBN13: 9798369323564, IGI Global International, May, 2024. DOI: 10.4018/979-8-3693-2355-7
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14. **Pinaki Pratim Acharjya**, Jayeeta Majumdar, Subhankar Joardar, “Watershed image segmentation based on various sequential processes”, ISBN: 978-620-8-06581-2 (1st Intl. Ed. 2023), LAMBERT Academic Publishing, November 2024. <https://www.amazon.com/Watershed-segmentation-various-sequential-processes/dp/620806581X>
15. Pinaki Pratim Acharjya, **Jayeeta Majumdar**, Subhankar Joardar, “Watershed image segmentation based on various sequential processes”, ISBN: 978-620-8-06581-2 (1st Intl. Ed. 2023), LAMBERT Academic Publishing, November 2024. <https://www.amazon.com/Watershed-segmentation-various-sequential-processes/dp/620806581X>
16. **Subhabrata Barman**, Santanu Koley, SubhankarJoardar (Eds.), "Next Generation Systems and Secure Computing", ISBN 978-1-394-22826-3, ISBN-10: 1394228260 (Scrivener Publishing, Wiley), (September, 2024)
17. **Sabyasachi Pramanik**, Niranjnamurthy M., Ankur Gupta, Ahmed J. Obaid, Mathematical Modeling in Agriculture, Wiley-Scrivener Publishing, Print ISBN:9781394233694, DOI:10.1002/9781394233731, (Wiley), (2024)
18. **Sabyasachi Pramanik**, Sandip Roy, Rajesh Bose, Data Driven Mathematical Modeling in Agriculture: Tools and Technologies, CRC Press, ISBN: 9788770041003, (CRC Press, Taylor & Francis), (2024)
19. Keshav Kumar, Krishan Kundan Kumar, Ritam Chatterjee, Ritam Kundu, **Santanu Koley**, Pinaki Pratim Acharjya (2024), "An Intelligent Data Retrieving Technique and Safety Measures for Sustainable Cloud Computing", IGI Global, DOI: 10.4018/979-8-3693-1431-9.ch003, ISBN13: 9798369314319, EISBN13: 9798369314326.
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22. **Rituparna Saha** Federated Learning: A Secure Distributed Machine Learning Approach for IoT Technology" accepted for the book chapter "Next-Generation Systems Secure Computing" to be published by Wiley-Scrivener, USA.
23. Santanu Koley, **Pinaki Pratim Acharjya** (2024), “Security Enhancement in Cloud and Edge Computing through Blockchain Technology”, in Blockchain and IOT Based Smart Healthcare, ISBN (Online): 978-981-5196-29-0, ISBN (Print): 978-981-5196-30-6, ISBN (Paper Back): 978-981-5196-31-3, pp. 150-173, Bentham Science Publications, Singapore, February, 2024. DOI:10.2174/97898151962901240101
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25. Jayeeta Majumder, **Pinaki Pratim Acharjya**, Subhabrata Barman, Santanu Koley, "A Study of Computer Vision, Deep Learning, and Machine Learning Techniques for Forecasting Solar Power and Renewable Energy," abstract accepted in book, "Machine Learning and Computer Vision for Renewable Energy," pp. 66-84, " ISBN13: 9798369323557, ISBN13 Softcover: 9798369347041, EISBN13: 9798369323564, IGI Global: International Academic publisher, May, 2024. DOI: 10.4018/979-8-3693-2355-7
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29. **Dr. Moumita Das**, "Investigating The Use of Reinforcement Learning Algorithms For Dynamic Traffic Steering, Congestion Control, and Quality of Experience (QOE) Optimization In 5g Networks" in book "Advanced Trends in Multidisciplinary Research and Innovation" - Published at Wester Books, No.79373, Aussere Weberstr, 57 02763 Zittau, Germany during the Month of May 2024. (ISBN No. 978-3-96492 593-0
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 44. Pinaki Pratim Acharjya, Santanu Koley, **Subhabrata Barman**, Subhankar Joardar and Jayeeta Majumdar, "A Study on Protection of Multimedia System Contents Using a Biometric-Based Encryption Technique", Source Title: Next Generation Systems and Secure Computing, September 2024, pp. 273 -288, Wiley-Scrivener, ISBN 978-1-394-22826-3
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60. **Adhikary, A.** , Ghosh, D., Das, S., **Nayek, A. K.** , & Sahu, R. (2024). A Survey on Path Planning Algorithms for Unmanned Aerial Vehicles Using Bio-Inspired Optimization Techniques. In *Bio-inspired Swarm Robotics and Control: Algorithms, Mechanisms, and Strategies* (pp. 16-27). IGI Global.
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Information Technology

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