



BOOK CHAPTERS

Sl. No.	Faculty Name	Co-Authors	Article/Paper Title	Book Name	Editors	Publisher	DOI	Page No.	Year(Month)
1	Abhijit Das	Biswajit Debnath, Ankita Das	Towards circular economy in e-waste management in India: Issues, challenges, and solutions	Circular Economy and Sustainability	Alexandros Stefanakis and Ioannis Nikolau	Elsevier	https://doi.org/10.1016/B978-0-12-821664-4.00003-0	523-543	2022 (Jan)
2	Abantika Chowdhury	Moumita Deb	Hybrid Cloud: A New Paradigm in Cloud Computing	Machine Learning Techniques and Analytics for Cloud Security	Rajdeep Chakraborty, Anupam Ghosh and Jyotsna Kumar Mandal	Wiley	10.1002/9781119764113.ch1	1-23	2021 (Dec)
3	Moumita Deb	Abantika Chowdhury	Hybrid Cloud: A New Paradigm in Cloud Computing	Machine Learning Techniques and Analytics for Cloud Security	Rajdeep Chakraborty, Anupam Ghosh and Jyotsna Kumar Mandal	Wiley	10.1002/9781119764113.ch1	1-23	2021 (Dec)
4	Abhijit Das	Anirbit Sengupta, Sukhpal Singh Gill, Debashis De	Mobile Edge Computing Based Internet of Agricultural Things: A Systematic Review and Future Directions	Mobile Edge Computing	Anwasha Mukherjee, Debashis De, Soumya K. Ghosh, Rajkumar Buyya	Springer, Singapore	https://doi.org/10.1007/978-3-030-69893-5_17	415-441	2021 (Nov)
5	Abhijit Das	Biswajit Debnath, Adrija Das, Ankita Das, Rohit Roy Chowdhury, Saswati Gharami	Edge Computing-Based Smart Healthcare System for Home Monitoring of Quarantine Patients: Security Threat and Sustainability Aspects	Intelligent Modeling, Prediction, and Diagnosis from Epidemiological Data: COVID-19 and Beyond	Siddhartha Bhattacharyya	Chapman and Hall/CRC	10.1201/9781003158684-10	189-210	2021 (Sept)
6	Hiranmoy Roy	Subhadeep Koley, Soumyadip Dhar.	A wavelet-based low frequency prior for single-image dehazing	Recent Trends in Computational Intelligence Enabled Research	Siddhartha Bhattacharyya, Paramartha Dutta, Anirban Mukherjee, Indrajit Pan, and Debabrata Samanta	Elsevier	10.1016/B978-0-12-822844-9.00038-4	245-262	2021 (Aug)
7	Soumydip Dhar	Subhadeep Koley, Hiranmoy Roy,	A wavelet-based low frequency prior for single-image dehazing	Recent Trends in Computational Intelligence Enabled Research	Siddhartha Bhattacharyya, Paramartha Dutta, Anirban Mukherjee, Indrajit Pan, and Debabrata Samanta	Elsevier	10.1016/B978-0-12-822844-9.00038-4	245-262	2021 (Aug)
8	Hrishikesh Bhaumik	Siddhartha Bhattacharyya, Susanta Chakraborty	Chapter 9 - Real-time video segmentation using a vague adaptive threshold	Hybrid Computational Intelligence for Pattern Analysis and Understanding 2020	Siddhartha Bhattacharyya, Václav Snášel, Ashish Khanna	Elsevier	https://doi.org/10.1016/B978-0-12-818699-2.00010-8	191-220	2021 (Jan)
9	Abhijit Das	Biswajit Debnath, Indrashis Saha, Tirthankar Mukherjee, Shweta Mitra, Ankita Das	Chapter 12 - Sorbents from waste materials: A circular economic approach	Sorbents Materials for Controlling Environmental Pollution	Avelino Núñez-Delgado	Elsevier	https://doi.org/10.1016/B978-0-12-820042-1.00028-6	285-322	2021 (Jan)
10	Soumen Mukherjee	Dipankar Majumdar, Arup Kumar Bhattacharjee	Intelligent Investment Approaches for Mutual Funds: An Evolutionary Model	Machine Learning Applications in Non-Conventional Machining Processes	Goutam Kumar Bose and Pritam Pain	IGI-Global	10.4018/978-1-7998-3624-7.ch017	267-281	2021 (Jan)
11	Soumen Mukherjee	Arup Kumar Bhattacharjee, Rajarshi Dhar, Arpan Deyasi	Classification of the operating spectrum for the RAMAN amplifier embedded optical communication system using soft computing techniques	Recent Trends in Computational Intelligence Enabled Research	Siddhartha Bhattacharyya, Paramartha Dutta, Indrajit Pan	Academic Press, Elsevier	https://doi.org/10.1016/B978-0-12-822844-9.00022-0	197-209	2021 (Jan)



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12	Soumen Mukherjee	Anal Acharya, Arup Kumar Bhattacharjee, Debabrata Datta, Arpan Deyasi	COVID-19: will it be a game changer in higher education in India?	Data Science for COVID-19	Utku Kose, Deepak Gupta, Victor Hugo C. de Albuquerque, Ashish Khanna	Academic Press, Elsevier	https://doi.org/10.1016/B978-0-323-90769-9.00034-Z	611-629	2021 (Jan)
13	Soumen Mukherjee	Arpan Deyasi, Arup Kumar Bhattacharjee	A Novel Outcome Evaluation Model Blended with Computational Intelligence and Digital Pedagogy for UG Engineering Education	Computational Intelligence in Digital Pedagogy	Arpan Deyasi, Anirban Mukherjee, Arup Kumar Bhattacharjee, Arindam Mondal	Springer, Singapore	https://doi.org/10.1007/978-981-15-8744-3_14	277-293	2020 (Nov)
14	Anirban Mukherjee	Rajib Saha, Avik Sarkar, Shatabhisa Dey	5 Extraction of Common Feature of Dysgraphia Patients by Handwriting Analysis Using Variational Autoencoder	Deep Learning	Siddhartha Bhattacharyya, Vaclav Snasel, Aboul Ella Hassanien, Satadal Saha and B. K. Tripathy	De Gruyter	https://doi.org/10.1515/9783110670905-005		2020 (June)
15	Anirban Mukherjee	Rajib Saha, Aniruddha Sadhukhan, Anisha Roy, Manashi De	Handwriting Analysis for Early Detection of A Alzheimer's Disease	Intelligent Data Analysis: From Data Gathering to Data Comprehension	Deepak Gupta, Siddhartha Bhattacharyya, Ashish Khanna, Kalpna Sagar	John Wiley & Sons	https://doi.org/10.1002/9781119544487.ch18	369-385	2020 (June)
16	Ranjan Jana	Siddhartha Bhattacharyya, Swagatam Das	Handwritten Digit Recognition Using Convolutional Neural Networks	Deep Learning	Siddhartha Bhattacharyya, Vaclav Snasel, Aboul Ella Hassanien, Satadal Saha and B. K. Tripathy	De Gruyter	https://doi.org/10.1515/9783110670905-003	51-68	2020 (June)
17	Anirban Mukherjee	Shreyasi Bhattacharya, Santanu Phadikar	A deep learning approach for the classification of rice leaf diseases	Intelligence enabled research	Siddhartha Bhattacharyya, Sushmita Mitra, Paramartha Dutta	Springer, Singapore	https://doi.org/10.1007/978-981-15-2021-1_8	61	2020 (Jan)
18	Abhijit Das	Ankita Das, Nipu Modak	Towards Sustainable Indian Smart Cities: An AHP Study	Intelligence Enabled Research	Siddhartha Bhattacharyya, Sushmita Mitra, Paramartha Dutta	Springer, Singapore	https://doi.org/10.1007/978-981-15-2021-1_11	97-106	2020 (Jan)
19	Soumen Mukherjee	Madhu Agarwal Agnihotri, Arup Kumar Bhattacharjee	Conflict Management and Resolution in Context of Educational Institutes	Strategic Approaches for Conflict Resolution in Organizations: Emerging Research and Opportunities	Siddhartha Bhattacharyya	IGI-Global	10.4018/978-1-7998-1726-0.ch005	88-105	2020 (Jan)
20	Hiranmoy Roy	Priya Purkait, Debotosh Bhattacharjee	Local Shearlet Energy Gammodian Pattern (LSEGP): A Scale Space Binary Shape Descriptor for Texture Classification	Intelligence Enabled Research	Siddhartha Bhattacharyya, Sushmita Mitra, Paramartha Dutta	Springer, Singapore	https://doi.org/10.1007/978-981-15-2021-1_14	XVIII, 131	2020 (Jan)
21	Soumyadip Dhar	Malay K Kundu	Multi-class Image Segmentation Using Theory of Weak String Energy and Fuzzy Set	Intelligence Enabled Research	Siddhartha Bhattacharyya, Sushmita Mitra, Paramartha Dutta	Springer, Singapore	https://doi.org/10.1007/978-981-15-2021-1_1	XVIII, 131	2020 (Jan)
22	Indrajit Pan	Soumitra Sasmal	Reliable Data Auditing and ACO-Based Resource Scheduling for Cloud Services	Swarm Intelligence for Cloud Computing	Mohamed Abd Elaziz, Siddhartha Bhattacharyya	Chapman and Hall/CRC	https://doi.org/10.1201/9780429020582	19	2019 (July)