

### Books and Chapters

Sl No	Acad Year	Content Title	ISBN	Content Type	UG/PG
1	2024	Enhancing Wireless Sensor Network Security: A Hybrid Intrusion Detection System for Cluster-Based Architectures Enhancing Wireless Sensor Network Security: A Hybrid Intrusion Detection System for Cluster-Based Architectures Dr. Ganesh Khekare Dr. Indrasen Singh	979-8885029001	Book Authored	No
2	2024	INVESTIGATION ON MINIATURIZED METASURFACE BASED ANTENNA M TM BASED ANTENNA Vijay Kumar Galaba Sai Rajesh	9786207805860	Book Authored	No
3	2024	Fundamentals of Python Programming Introduction to Python Decision making Modules packages and functions Iterator and generator Classes and meta classes Reduce map context manager GUI Programming Mrs. G. Parimala Gadhi Dr. Praveen Joe I R Mr. Jayaraja N Dr. Mythili A	9789357577380	Book Authored	No
4	2024	An Overview of Dental Image Processing Techniques An Overview of Dental Image Processing Techniques Dr. G. Jaffino Dr. J. Prabin Jose	9789361630187	Book Authored	No
5	2024	METAHEURISTIC APPROACH FOR SPECTRUM SENSING OPTIMIZATION IN COGNITIVE RADIO NETWORK BOOK Dr. Geoffrey Eappen Dr. T. Shankar	9788197490729	Book Authored	No
6	2024	Performance Analysis of Cooperative Communication with SSK Modulation and RF Energy Harvesting Performance Analysis of Cooperative Communication with SSK Modulation and RF Energy Harvesting Hemanta Kumar Sahu	97899999315715	Book Authored	No
7	2024	Accessories and Passive Restraint Systems in Automobiles Accessories and Passive Restraint Systems in Automobiles Indrasen Singh Ganesh Khekare	978-620-7-47326-7	Book Authored	No
8	2024	DESIGN AND OPTIMIZATION OF WEARABLE, IMPLANTABLE, AND EDIBLE ANTENNAS. DESIGN AND OPTIMIZATION OF WEARABLE, IMPLANTABLE, AND EDIBLE ANTENNAS. K. Kavitha, Thennarasan Sabapathy, V. Rajeshkumar	9798369326596	Book Edited	No
9	2024	Advancing VLSI through Machine Learning: Innovations and Research Perspectives for the Series: Materials, Devices, and Circuits: Design and Reliability Silicon chip Design and Testing Shasanka Sekhara Rout and Jagana Bihari Padhy	9781032774282	Book Edited	No
10	2024	Microwave Devices and Circuits for Advance Wireless Communication Microwave Devices and Circuits for Advance Wireless Communication Dilip Kumar Choudhary, Naveen Mishra, Indrasen Singh, Naser Ojaroudi Parchin, Ghanshyam Singh	9781032656007	Book Edited	No
11	2024	5G and Beyond Wireless Networks 5G and Beyond Wireless Networks Technology, Network Deployments and Materials for Antenna Design Indrasen Singh, Shubham Tayal, Niraj Pratap Singh, Vijay Shanker Tripathi, Ghanshyam Singh	9781032504803	Book Edited	No
12	2024	5g and Beyond Wireless Communications 5g and Beyond Wireless Communications Abhijit Bhowmick, Yogesh Kumar Choukiker, Indrasen Singh, Arumugam Nallanathan	9781032622569	Book Edited	No
13	2024	Microwave Devices and Circuits for Advance Wireless Communication Microwave Devices and Circuits for Advance Wireless Communication Dilip Kumar Choudhary, Naveen Mishra, Indrasen Singh, Naser Ojaroudi Parchin, Ghanshyam Singh	9781032656007	Book Edited	No
14	2024	Microwave Devices and Circuits for Advance Wireless Communication Microwave Devices and Circuits for Advance Wireless Communication Design and Analysis Dilip Kumar Choudhary, Naveen Mishra, Indrasen Singh, Naser Ojaroudi Parchin, Ghanshyam Singh	9781032656007	Book Edited	No
15	2024	The Open Biomedical Engineering Journal Applications of Advanced Computing Solutions for Healthcare Systems – Part 3 Sivakumar Rajagopal, Sujatha Rajkumar, Siva Kumar Subramaniam, Rahul Soangra	18741207	Book Edited	No
16	2024	5G and Beyond Wireless Communications: Fundamentals, Applications, and Challenges 5G and Beyond Wireless Communications: Fundamentals, Applications, and Challenges Abhijit Bhowmick, Yogesh Kumar Choukiker, Indrasen Singh, Arumugam Nallanathan	9781032622569	Book Edited	No
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19	2024	5G and Beyond Wireless Networks Cooperative Power-Domain Non-Orthogonal Multiple Access (NOMA) in 5G Systems: Potentials and Challenges Md Javed Khan, Indrasen Singh	978-1-032-50480-3	Chapter Authored	No
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25	2024	Organic Electronics - From Fundamentals to Applications Comparative Study of DNTT-Based Low-Voltage BGBC, BGTC, TGBC and TGTC Configurations of OTFTs Kadiyana Anusha and Arun Dev Dhar Dwivedi	DOI: 10.5772/intechopen.100	Chapter Authored	No
26	2024	Towards Wireless Heterogeneity in 6G Networks A novel energy-efficient optimization technique for intelligent transportation systems SHAIK RAJAK, INBARASAN MUNIRAJ, POONGUNDRAN SELVAPRABHU, VETRIVEERAN RAJAMANI AND SUNIL CHINNADURAI	9781003369028	Chapter Authored	No
27	2024	5G and Beyond Wireless Communications Fundamentals, Applications, and Challenges Flexible Antennas – A New Frontier in 5G Technology A. Christina Josephine Malathi ,S. S. Shamina,	9781032625034	Chapter Authored	No
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37	2023	Machine Learning TechniquesMachine Learning TechniquesDr. G. Jaffino Prof. V. Aravinda Rajan Prof. K. Malarvizhi Prof. S. Gayathri Devi	9789357579179	Book Authored	No
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42	2023	Mobile Computing Solutions for Healthcare SystemsMobile Computing Solutions for Healthcare SystemsSivakumar R., Dimiter Velev, Basim Alhadidi, S. Vidhya, Sheeja V. Francis, B. Prabadevi	9789815050608	Book Edited	No
43	2023	The Open Biomedical Engineering JournalSpecial Issue 2: Applications of Advanced Computing Solutions for Healthcare Systems – Part 2Sivakumar Rajagopal, Dalamchwami Chen Lyngdoh, U K Anathapadmanabhan, Rahul Soangra and Nirmala Vasam, Arul Treesa Mathew and Prasanna Mani,Annamalai Anupriya and Arunkumar Thangavelu, G. Saranya and A. Pravin	18741207	Book Edited	No
44	2023	The Open Biomedical Engineering JournalSpecial Issue 1: Applications of Advanced Computing Solutions for Healthcare SystemsLothiaruna Nagaraj and Anny Leema A,Nandakumar Pandiyan and Subhashini Narayan, Mohammed Jaleel Seeni Mohamed Aliar Maraikkayar, Rajendran Tamilselvi, Mohammed Gani Parisa Beham and Mohamed Maideen Amjath Hasan, Prakasam P., Aakash Gnanavel, Karnan Rajendran and Sathesh Suresh, S. Deepika and N. Jaisankar, X. Anitha Mary, A. Peniel Winifred Raj, C. Suganthi Evangeline, T. Mary Neebha, Vinoth Babu Kumaravelu and P. Manimegalai	18741207	Book Edited	No
45	2023	2023 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (VITECoN)- Proceedings2023 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (VITECoN)- ProceedingsDr Thanikaiselvan V, Dr Renuga Devi S, Dr Kalaivani S, Dr Shankar T	9798350347982	Book Edited	No
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57	2023	Conress on Intelligent Systems Optimized CNN Model with Deep Convolutional GAN for Brain Tumor DetectionMure Vamsi Kalyan Reddy, Prithvi K. Murjani, Sujatha Rajkumar, Thomas Chen & V. S. Ajay Chandrasekar	9789811992254	Chapter Authored	No

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61	2023	Intelligent Systems Design and ApplicationsAn Efficient Deep Learning-based Breast Cancer Detection Scheme with Small DatasetsAdyasha Sahu, Pradeep Kumar Das, Sukadev Meher, Rutuparna Panda, Ajith Abraham	978-3-031-35510-3	Chapter Authored	No
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69	2023	Third Congress on Intelligent SystemsSmart Sewage Monitoring SystemsSujatha Rajkumar, Shaik Janubhai Mahammad Abubakar, Venkata Nitin Voona, M. Lakshmi Vaishnavi	9789811992254	Chapter Authored	No
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71	2023	Proceedings of World Conference on Artificial Intelligence: Advances and ApplicationsSmart Air Pollution Monitoring System for Hospital Environment Using Wireless Sensor and LabVIEW .Ashish Kumar Tripathi, Darpan Anand, Atulya K. Nagar	9789819958801	Chapter Authored	No
72	2023	Proceedings of Second International Conference on Computational Electronics for Wireless CommunicationsReconfigurable Intelligent Surface as an Access Point: Probability of Error Analysis for Discrete Phase ShiftersSanyog Rawat, Sandeep Kumar, Pramod Kumar, Jaume Anguera	9789811966606	Chapter Authored	No
73	2023	Futuristic Communication and Network TechnologiesFace Recognition-Based Attendance System with a Mobile Application Using Raspberry PiYepuganti Karuna, Vandana Sai Sumanth, Allanki AkshayRao, Pandeti Sanjay Varma, and Saladi Saritha	9789811983375	Chapter Authored	No
74	2023	Tunneling Field Effect TransistorsDC Analysis and Analog/HF Performances of GAA-TFET with Dielectric PocketChandan Kumar Pandey, Diganta Das, Umakant Nanda, Debashish Dash, Saurabh Chaudhury, Young Suh Song, Shiromani Balmukund Rahi	9781003327035	Chapter Authored	No
75	2023	Neuromorphic Computing Systems for Industry 4. 0Strategies for Automated Bike Sharing systems leveraging ML and VLSI approachesJagrat Shukla Numburi Rishikha Janhavi Chaturvedi Sumathi Gokulanathan SrihariPriya K Chandrasekaran Konguvel Elango Sathishkumar Selvaperumal	9781668465967	Chapter Authored	No
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77	2023	Neuromorphic Computing Systems for Industry 4. 0Strategies for Automated Bike-Sharing Systems Leveraging ML and VLSI ApproachesJagrat Shukla, Numburi Rishikha, Janhavi Chaturvedi, Sumathi Gokulanathan, SrihariPriya Chandrasekaran, Konguvel Elango, Sathishkumar Selvaperumal	9781668465967	Chapter Authored	No
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81	2023	Soft Computing and Signal ProcessingGain Enhanced Single-Stage Split Folded Cascode Operational Transconductance AmplifierV. Sivakumar Reddy, V. Kamakshi Prasad, Jiacun Wang, K. T. V. Reddy	9789811986680	Chapter Authored	No
82	2023	Proceedings of International Conference on Computational Intelligence and Data EngineeringAn Efficient CatBoost Classifier Approach to Detect Intrusions in MQTT Protocol for Internet of ThingsNabendu Chaki, Nagaraju Devarakonda, Agostino Cortesi	9789819906086	Chapter Authored	No
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90	2022	Microelectronic Devices, Circuits and SystemsThird International Conference Microelectronic Devices, Circuits, and Systems, ICMDCS 2022V. Arunachalam, K. Sivasankaran	978-3-031-23972-4	Book Edited	No
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94	2022	Intelligent Computing and ApplicationsImplementation of 12 Band Integer Filter Bank digital Hearing AidAyyappa Swamy K and Alex Z C	9789811941627	Chapter Authored	No
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103	2022	2022 International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS)An approach for ideal detection of Epileptic Seizures using CAD techniques-DWT, LDA and Machine Learning algorithmsR. Bhutra, A. Baid, A. Mulasi, M.K. Hota,	9781665464147	Chapter Authored	No
104	2022	2022 International Conference on Wireless Communications Signal Processing and Networking (WiSPNET)Smart Reconfigurable Intelligent Surface with Discrete Phase Shifter for Next Generation NetworksAnjana B.S., Hindavi Jadhav, Vinoth Babu Kumaravelu, Francisco R. Castillo Soria, Md. Shohel Sayeed, Arthi Murugadass	9781665496490	Chapter Authored	No
105	2022	Nanotechnology in ElectronicsMetal Oxide Semiconductors for Non Invasive Diagnosis of Breast CancerMohan Velumani, Ivaneet Banga, Anirban Paul, Ashokan Prasanth, Samir Ranjan Meher, Elizabeth Rufus, Sriram Muthukumar, Shalini Prasad and Zachariah C Alex	9783527824236	Chapter Authored	No
106	2022	ECS TransactionsSmart Pre-Screening of Patients for COVID-19 Using Depth-Wise Separableconvolutional Neural NetworkAviral Bhatia1, Shreyas Desikan1, Saroj Anand Tripathy1, Sujatha Rajkumar1, Sivakumar Rajagopal1,2 and Rahul Soanra3	107847	Chapter Authored	No
107	2022	IoT Applications ComputingInternet of Things and Machine Learning Applications for Smart Precision AgricultureR Sivakumar, B Prabadevi, G Velvizhi, S Muthuraja, S Kathiravan, M Biswajita, A Madhumathi	9781839686900	Chapter Authored	No
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