

DETAILS OF BOOKS PUBLISHED

ACADEMIC YEAR 2022-2023

S.No	Authors	Title of the Book	Publisher	Month & Year	Online Link of the book / ISBN number
1.	Dr. Chandrika V.S.	Introduction to Wireless Technologies	Scientific International Publishing House	November 2022	978-93-5625-477-0
2.	Dr. Ravikumar P.	Solar Energy, Green Energy and Renewable Energy Challenges for Sustainable Environment	Scientific International Publishing House	December 2022	978-93-5625-576-0
3.	Dr. Karthick A.	Smart Antennas, Electromagnetic Interference and Microwave Antennas for Wireless Communications	River Publishers	February 2023	https://www.riverpublishers.com/book_details.php?book_id=10119788770227766

ACADEMIC YEAR 2021-2022

S.No	Authors	Title of the Book	Publisher	Year	Online Link of the Book/ ISBN number
1.	Dr. Mohana Sundaram K. Dr. Pandiyan P.	Photovoltaic Systems Artificial Intelligence-based Fault Diagnosis and Predictive Maintenance	CRC Press	March 2022	https://www.taylorfrancis.com/books/edit/10.1201/9781003202288/photovoltaic-systems-mohana-sundaram-sanjeevikumar-padmanaban-jens-bo-holm-nielsen-pandiyan 9781032064260

2.	Dr. Mohana Sundaram K.	Solar PV System: Design, Installation, Operation and Maintenance	Nova science	Dec 2021	https://novapublishers.com/shop/solar-pv-system-design-installation-operation-and-maintenance/ ISBN: 978-1-68507-341-1
3.	Mr. Saravanan G.	AI Applications	GCS Publishers	June 2022	ISBN: 989 – 2 -96801- 654 -2
4.	Mr. Ravikumar P.	IoT in Multidimensional Approach	INSC International Publisher	June 2022	ISBN : 978 – 1-956102-78-9
5.	Mr. Kamalkumar V.	IOT and wireless sensor networks	GCS Publishers	April 2022	ISBN: 989 – 2 -96801- 654 -3

ACADEMIC YEAR 2020-2021

S.No	Authors	Title of the Book	Publisher	Year	Online Link of the Book / ISBN number
1.	Dr. Mohana Sundaram K.	Optimal Power Flow Using FACTS Devices Soft Computing Techniques	CRC Press	2021	https://www.routledge.com/Optimal-Power-Flow-Using-FACTS-Devices-Soft-Computing-Techniques/Kumar-Sundaram/p/book/9

DETAILS OF BOOK CHAPTERS PUBLISHED

ACADEMIC YEAR 2022-2023

S.No	Authors	Title of the Book Chapter	Title of the Book & Publisher	Month & Year	Online Link of the book chapter / ISBN number
1.	Dr. Pandiyan P.	A Comprehensive Review on Energy Storage System	Smart Electrical Grid System: Design Principle, Modernization and Techniques CRC Press, Taylor & Francis	July 2022	Smart Electrical Grid System Design Principle, Modernization, and Te 9781003242277
2.	Dr. Pandiyan P.	Impact of Artificial Intelligence Techniques in Distributed Smart Grid Monitoring System	Smart Energy and Electric Power Systems Elsevier	February 2023	https://www.sciencedirect.com/science/article/pii/B978032391664600005X
3.	Dr. Chandrika V.S.	Detection of Cyber Crime Based on Facial Pattern Enhancement Using Machine Learning and Image Processing Techniques	Using Computational Intelligence for the Dark Web and Illicit Behavior Detection IGI Global International Academic Publisher	November 2022	https://www.igi-global.com/chapter/detection-of-cyber-crime-based-on-facial-pattern-enhancement-using-machine-learning-and-image-processing-techniques/307875
4.	Dr. Pandiyan P.	Blockchain Technologies for Smart Power Systems	Artificial Intelligence-based Smart Power Systems Wiley	December 2022	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119893998.ch17
5.	Mr. Vivekanandan S. Dr. Ravindran S. Mr. Kamalkumar V.	Internet of Battery: Battery Monitoring System using IoT	Research Trends in Multidisciplinary Research AkiNik Publications	December 2022	8581548487852

6.	Dr. Mohana Sundaram K. Dr. Chandrika V.S.	Battery Monitoring System and SOC Enhancement Analysis Using Artificial Intelligence Techniques	Artificial Intelligence Applications in Battery Management Systems and Routing Problems in Electric Vehicles IGI Global Publisher	February 2023	https://www.igi-global.com/chapter/battery-monitoring-system-and-soc-enhancement-analysis-using-artificial-intelligence-techniques/318595
7.	Dr. Pandiyan P.	A Comprehensive Review on Internet of Agro Drones for Precision Agriculture	Internet of Drones CRC Press	February 2023	9781003252085
8.	Dr. Pandiyan P.	Green Energy using Machine and Deep learning	Machine Learning Algorithms for Signal and Image Processing Wiley-IEEE Press	February 2023	https://ieeexplore.ieee.org/document/9960913

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S.No	Authors	Title of the Book Chapter	Title of the Book & Publisher	Year	Online Link of the Book Chapter
1.	Dr. Mohana Sundaram K., Dr. Pandiyan P.	Solar cell parameter extraction using the Yellow Saddle Goatfish Algorithm	Renewable Energy Systems Modelling, Optimization and Control Advances in Nonlinear Dynamics and Chaos & Academic Press	September 2021	https://www.sciencedirect.com/science/article/pii/B9780128200049000279
2.	Dr. Chandrika V.S.	Detection of Cyber Crime Based on Facial Pattern Enhancement Using Machine Learning and Image Processing Techniques	Using Computational Intelligence for the Dark Web and Illicit Behavior Detection & IGI Global	March 2022	https://www.igi-global.com/book/using-computational-intelligence-dark-web/301614

3.	Dr. Pandiyan P.	Overview of Bidirectional DC–DC Converters Topologies for Electric Vehicle and Renewable Energy System	DC–DC Converters for Future Renewable Energy Systems & Springer	September 2021	https://link.springer.com/chapter/10.1007/978-981-16-4388-0_24
4.	Dr. Pandiyan P.	Online Fault Diagnosis and Fault State Classification Methods for PV Systems	Photovoltaic Systems Artificial Intelligence-based Fault Diagnosis and Predictive Maintenance & CRC	March 2022	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003202288-1/online-fault-diagnosis-fault-state-classification-methods-pv-systems-manimegalai-gayathri-pandiyan-rukkumani
5.	Dr. Pandiyan P.	Machine Learning Based Predictive Maintenance for Solar Plants for Early Fault Detection and Diagnostics	Photovoltaic Systems Artificial Intelligence-based Fault Diagnosis and Predictive Maintenance & CRC	March 2022	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003202288-5/machine-learning%E2%80%93based-predictive-maintenance-solar-plants-early-fault-detection-diagnostics-saravanan-pandiyan-rajasekaran-prabaharan-chinnadurai-ramji-tiwari
6.	Dr. Karthick A.	Recent Trends in Solar Energy Generation, Challenges and Opportunities	Research Challenges in Science, Engineering and Technology, Advances in Applied Science and Engineering, & Nova Science Publishers	November 2021	https://novapublishers.com/shop/research-challenges-in-science-engineering-and-technology/
7.	Dr. Karthick A.	Modeling of permanent magnet synchronous motor for zero-emission vehicles	Active Electrical Distribution Network, & Elsevier	June 2022	https://www.sciencedirect.com/science/article/pii/B9780323851695000046
8.	Dr. Karthick A. Dr. Kumar Chinnaiyan V.	State of Charge Prediction of Battery	Active Electrical Distribution Network, &	June 2022	https://www.sciencedirect.com/science/article/pii/B9780323851695

	Dr. Karpagam J. Dr. Baranilingesan I.	Management System for Electric Vehicles	Elsevier		<u>000125</u>
9.	Mr. Balamurugan K. Mr. Vivekanandan S., Dr. Ravindran S., Mr. Kamalkumar V.	Internet of Battery: Battery Monitoring System using IoT	Research Trends in Multidisciplinary Research	April 2022	https://www.akinik.com/products/1697/research-trends-in-multidisciplinary-research

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1.	Dr. Uthirasamy R. Dr. Kumar Chinnaiyan V., Dr. Karpagam J. Ms.Vijayalakshmi V.J.	Stepped DC Link Converters for Solar Power Applications	Green Energy: Solar Energy, Photovoltaic and Smart Cities Wiley	2020	https://onlinelibrary.wiley.com/doi/10.1002/9781119760801.ch10
2.	Dr. Karthick A. Dr. Kumar Chinnaiyan V., Dr. Karpagam J. Dr. Chandrika V.S. Dr. Ravi Kumar P.	Optimization of PV- Wind Hybrid Renewable Energy System for Health Care Buildings in Smart City	Hybrid Renewable Energy Systems Wiley	2021	https://onlinelibrary.wiley.com/doi/10.1002/9781119555667.ch8
3.	Dr. Mohana Sundaram K.	Solar cell parameter extraction using the Yellow Saddle Goatfish Algorithm	Academic Press	2021	https://www.sciencedirect.com/science/article/pii/B9780128200049000279
4.	Dr. Pandiyan P.	Reconfigurable Battery Management System for Microgrid Application	Microgrid Technologies Wiley	2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119710905.ch6

5.	Dr. Pandiyan P.	Mitigation Techniques for Removal of Dust on Solar Photovoltaic System	Electrical and Electronic Devices, Circuits, and Materials: Technological Challenges and Solutions	2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119755104.ch20
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