



# ST. JOSEPH'S

COLLEGE OF ENGINEERING  
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### 3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Year	2022-23	2021	2020	2019	2018	Total
Number of Books Published	1	2	1	3	1	8
Number of Book Chapters Published	10	9	4	5	1	29



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## Books Published

S.I No	Name of the Teacher & Title of the Book	Link to the Source Site
1	Dr. Joby P P & IoT Based Control Networks and Intelligent Systems – 2022 <b>Editor: Conference Proceedings</b>	<a href="https://link.springer.com/book/10.1007/978-981-19-5845-8">https://link.springer.com/book/10.1007/978-981-19-5845-8</a>
2	Dr. V. P. Devasia, Dr. Lijo Paul, Dr. Jilse Sebastian, Dr. Tomson Davis & International Conference on Artificial Intelligence & Energy Systems – 2021 <b>Editor: Conference Proceedings</b>	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings/vol/58/part/P1">https://www.sciencedirect.com/journal/materials-today-proceedings/vol/58/part/P1</a>
3	Dr. Joby P P & International Conference on IoT Based Control Networks & Intelligent Systems - ICICNIS – 2021 <b>Editor: Conference Proceedings</b>	<a href="#">SSRN International Conference on IoT Based Control Networks &amp; Intelligent Systems - ICICNIS 2021 (Archive)</a>
4	Dr. Joby P P & International Conference on IoT Based Control Networks & Intelligent Systems - ICICNIS 2020 <b>Editor: Conference Proceedings</b>	<a href="#">SSRN International Conference on IoT Based Control Networks &amp; Intelligent Systems - ICICNIS 2020 (Archive)</a>
5	Fr. Joseph Purayidathil & Book: Ethical Leadership: A Model for Character Formation - 2019	<a href="https://www.amazon.in/Ethical-Leadership-Joseph-Purayidathil/dp/620045597X">https://www.amazon.in/Ethical-Leadership-Joseph-Purayidathil/dp/620045597X</a>



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6	Dr. Rajesh Baby & Book: Thermal Management of Electronics, Volume I: Phase Change Material-Based Composite Heat Sinks—An Experimental Approach - 2019	<a href="https://books.google.co.in/books/about/Thermal_Management_of_Electronics_Volume.html?id=ozCPDwAAQBAJ&amp;redir_esc=y">https://books.google.co.in/books/about/Thermal_Management_of_Electronics_Volume.html?id=ozCPDwAAQBAJ&amp;redir_esc=y</a>
7	Dr. Rajesh Baby & Book: Thermal Management of Electronics, Volume I: Phase Change Material-Based Composite Heat Sinks—An Experimental Approach - 2019	<a href="https://books.google.co.in/books/about/Thermal_Management_of_Electronics_Volume.html?id=QA2QDwAAQBAJ&amp;redir_esc=y">https://books.google.co.in/books/about/Thermal_Management_of_Electronics_Volume.html?id=QA2QDwAAQBAJ&amp;redir_esc=y</a>
8	Dr. Madhukumar S., Dr. Rajesh Baby, Prof. Sabarinath G. & International Conference on Recent Advancements and Effectual Researches in Engineering Science and Technology (RAEREST) - 2018 <b>Editor: Conference Proceedings</b>	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/396/1/011001">https://iopscience.iop.org/article/10.1088/1757-899X/396/1/011001</a>



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## Books Chapters Published

S.I No	Name of the Teacher & Title of the Chapter	Link to the Source Site	Year of Publication
1	<b>Dr. Joby P P</b> & Blockchain, IoT, and AI Technologies for Supply Chain Management <b>Chapter 12</b>	<a href="#">Blockchain, IoT, and AI Technologies for Supply Chain Management - Google Books</a>	2023
2	<b>Dr. Lijo Paul, Mr. Abyson Scaria</b> & Evolutionary Optimization of Material Removal Processes / Multi-Response Optimization During High-Speed Drilling of Composite Laminate Using Grey Entropy Fuzzy (GEF) and Entropy-Based Weight Integrated Multi-Variate Loss Function	<a href="#">Multi-Response Optimization During High-Speed Drilling of Composite La (taylorfrancis.com)</a>	2023
3	<b>Mr. Justin Jose, Dr. Rajesh Baby</b> & Design and Development of a Water-Cooled Proton Exchange Membrane Fuel Cell Stack for Domestic Applications	<a href="#">Design and Development of a Water-Cooled Proton Exchange Membrane Fuel Cell Stack for Domestic Applications   SpringerLink</a>	2022
4	<b>Mr. S. Babu Sanker and Dr. Rajesh Baby</b> & A Review on Phase Change Material–metal Foam Combinations for Li-Ion Battery Thermal Management Systems	<a href="#">A Review on Phase Change Material–metal Foam Combinations for Li-Ion Battery Thermal Management Systems   SpringerLink</a>	2022
5	<b>Dr. Rajesh Baby</b> & Predicting the Performance Enhancement of Proton Exchange Membrane Fuel Cell at Various Operating Conditions by Artificial Neural Network	<a href="#">Predicting the Performance Enhancement of Proton Exchange Membrane Fuel Cell at Various Operating Conditions by Artificial Neural Network   SpringerLink</a>	2022
6	<b>Dr. Rajesh Baby</b> & Review on Characteristic Features of Jet Impingement that Favours Its Application in Solar Air Heaters	<a href="#">Review on Characteristic Features of Jet Impingement that Favours Its Application in Solar Air Heaters   SpringerLink</a>	2022



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S.I No	Name of the Teacher & Title of the Chapter	Link to the Source Site	Year of Publication
7	<b>Mr. Bino Thomas</b> & Carbon Nanotubes for Energy and Environmental Applications <b>Chapter: 2</b>	<a href="#">Apple Academic Press</a>	2022
8	<b>Ms. Anna N Kurian</b> & Artificial Intelligence of Things for Early Detection of Cardiac Diseases	<a href="#">Artificial Intelligence of Things for Early Detection of Cardiac Diseases   SpringerLink</a>	2022
9	<b>Ms. Anna N Kurian</b> & Robotic Technology in the development of Prosthesis	<a href="#">Robotic Technology in the Development of Prosthesis   SpringerLink</a>	2022
10	<b>Dr. Lijo Paul and Mr. Abyson Scaria</b> & Multi response optimisation during high-speed drilling of composites	<a href="#">Multi-Response Optimization During High-Speed Drilling of Composite La (taylorfrancis.com)</a>	2022
11	<b>Dr. Bennet Kuriakose</b> & Advances in Civil Engineering, Springer	<a href="#">Soil–Structure Interaction Analysis of Tall Steel Chimney Subjected to Wind Load   SpringerLink</a>	2021
12	<b>Dr. Bennet Kuriakose</b> & Advances in Civil Engineering, Springer	<a href="#">Nonlinear Finite Element Analysis of Plain Footing   SpringerLink</a>	2021
13	<b>Dr. Shancy Augustine and Dr. Lijo Paul</b> & Advanced Machining and Finishing	<a href="#">Relevance of micromachining in microfluidics and biomedical devices - ScienceDirect</a>	2021
14	<b>Dr. Tomson Thomas, Mr. Anoopraj M. R., Dr. Ginu Ann George</b> & Advanced Aspects of Engineering Research	<a href="#">An Introduction to Wind Energy Conversion System with Low Voltage Ride-Through Capability   Advanced Aspects of Engineering Research Vol. 9 (bookpi.org)</a>	2021
15	<b>Dr. Ginu Ann George &amp; Dr. Tomson Thomas</b> & Advanced Aspects of Engineering Research	<a href="#">Charge Equalization of Battery System Considering State of Charge Variations in Electric Vehicle Application   Advanced Aspects of Engineering Research Vol. 10 (bookpi.org)</a>	2021



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S.I No	Name of the Teacher & Title of the Chapter	Link to the Source Site	Year of Publication
16	<b>Dr. Lijo Paul and Dr. Jilse Sebastian</b> & Evaluation of reliability of empirical models for estimating global solar radiation	<a href="#">Plastic recycling and regeneration - ScienceDirect</a>	2021
17	<b>Dr. Lijo Paul</b> & High speed machining of composite materials	<a href="#">High speed machining of composite materials - ScienceDirect</a>	2021
18	<b>Dr. Gemini George</b> & Deploy-Web Hosting using Docker Container	<a href="#">Deploy—Web Hosting Using Docker Container   SpringerLink</a>	2021
19	<b>Dr. Gemini George</b> & An Android Based Smart Home Automation System in Native Language	<a href="#">An Android-Based Smart Home Automation System in Native Language   SpringerLink</a>	2021
20	<b>Dr. Rajesh Baby</b> & Thermal Performance of Loop Heat Pipes Using Nanofluids	<a href="#">Thermal Performance of Loop Heat Pipes Using Nanofluids   SpringerLink</a>	2020
21	<b>Mr. Alex Chollackal</b> & Numerical Simulation and Performance Analysis of MLI During Reentry of Hypersonic Vehicles	<a href="#">Numerical Simulation and Performance Analysis of MLI During Reentry of Hypersonic Vehicles   SpringerLink</a>	2020
22	<b>Dr. Rajesh Baby and Dr. Bennet Kuriakose</b> & Recent Trends in Use of Phase Change Materials for Sustainable Thermal Management of Buildings: A Review	<a href="#">Recent Trends in Use of Phase Change Materials for Sustainable Thermal Management of Buildings: A Review   SpringerLink</a>	2020
23	<b>Dr. Rajesh Baby</b> & Soil Organic Carbon Estimation Using Remote Sensing Technique	<a href="#">Soil Organic Carbon Estimation Using Remote Sensing Technique   SpringerLink</a>	2020



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S.I No	Name of the Teacher & Title of the Chapter	Link to the Source Site	Year of Publication
24	<b>Dr. Lijo Paul</b> & Non-conventional Micro-machining Processes	<a href="#">Non-conventional Micro-machining Processes   SpringerLink</a>	2019
25	<b>Dr. K J George</b> & Flood and Landslide Mitigation by Improving the Midlands of Kerala	<a href="#">Engineers Day Suvaneer 2019 (sjcetpalai.ac.in)</a>	2019
26	<b>Mr. Jenson Jose</b> & Environmental and Economic Impact Assessment of Flooring Materials	<a href="#">Environmental and Economic Impact Assessment of Flooring Materials   SpringerLink</a>	2019
27	<b>Ms. Ance Mathew</b> & Analysis and Comparative Study of Seismically Detailed Column Under Blast Loading	<a href="#">Analysis and Comparative Study of Seismically Detailed Column Under Blast Loading   SpringerLink</a>	2019
28	<b>Ms. Mariamol Kuriakose</b> & Effect of Mid-Storey Isolation in Regular and Stiffness Irregular Buildings	<a href="#">Effect of Mid-Storey Isolation in Regular and Stiffness Irregular Buildings   SpringerLink</a>	2019
29	<b>Dr. Lijo Paul</b> & Drilling of composite materials: methods and tools	<a href="#">4. Drilling of composite materials: methods and tools (degruyter.com)</a>	2018