CURRICULUM VITAE

Name	:	**Dr. SANJAY** **MAVINKERE RANGAPPA (M R)**
Designation	:	**Principal Research Scientist (Specialist 3) &** **Associate Professor**
Qualifications	:	**B.E., M.Tech., Ph.D., Post Doc.,**
Position	:	**Advisor within the office of the President for University Promotion and Development towards International Goals**
Affiliation	:	**Natural Composites Research Group Lab, Department of Materials and Production Engineering, TGGS,** **King Mongkut's University of Technology North Bangkok (KMUTNB), 1518 Pracharat 1, Wongsawang Road, Bangsue, Bangkok 10800, Thailand.**
Mobile No & Email :		**(+66) 806300745** mcemrs@gmail.com; mavinkere.r.s@op.kmutnb.ac.th

- **Adjunct Professor,** Mechanical Engineering Department, University of Brawijaya, Indonesia, 2024-2025.
- **Academic Visitor,** School of Mechanical and Design Engineering, University of Portsmouth, Portsmouth, United Kingdom, May 20-29, 2024.
- **Visiting Professor,** School of Polymer Science and Technology, Mahatma Gandhi University (MGU), India, (2024-2025).
- **Visiting Professor,** CENTRE FOR ADVANCED COMPOSITE MATERIALS (CACM), Universiti Teknologi Malaysia, Malaysia, 2025.
- **Visiting Professor,** Nanotechnology and Catalysis Research Centre (NANOCAT), Universiti Malaya, Malaysia, 2025.
- **Visiting Professor,** Mechanical Engineering Department, University of Brawijaya, Indonesia, 2024.

- 'Recognized by Stanford University's list (published by Elsevier) of the **World's Top 2% of the Most-Cited Scientists** in Career and Single Year Citation Impact (**World's Top 1% of the Most-Cited Scientists)** 2023' (**Top 11th Rank in Thailand and Top 2nd Rank** Under Both Materials and Polymers Categories in Thailand)
- 'Recognized by Stanford University's list (published by Elsevier) of the **World's Top 2% of the Most-Cited Scientists** in Career and Single Year Citation Impact (**World's Top 1% of the Most-Cited Scientists)** 2022' (**Top 10th Rank in Thailand and Top 2nd Rank** Under Both Materials and Polymers Categories in Thailand)
- 'Recognized by Stanford University's list (published by Elsevier) of the **World's Top 2% of the Most-Cited Scientists** in Career and Single Year Citation Impact 2021' (**Top 22nd Rank in Thailand and Top 2nd Rank** Under Materials Category in Thailand)
- 'Recipient of **"Outstanding Researcher 2021 award"** from Science and Technology Research Institute, KMUTNB Thailand
- 'Recognized by Stanford University's list (published by Elsevier) of the **World's Top 2% of the Most-Cited Scientists** in Single Year Citation Impact 2020' (**Top 30th** Rank in Thailand)
- ''Recipient of **Outstanding Young Researcher Award'** 2020 from King Mongkut's University of Technology North Bangkok, Thailand.
- Listed in 'Top 100 Scientists' in Thailand, by AD Scientific Index. **(2rd Best Scientist in the Country-Mechanical Engineering, Thailand)**
- Recognized by Stanford University's list of the **world's Top 2%** of the Most-Cited Scientists in Single Year Citation Impact 2019 (**Ranked 97th** among 187 THAI Scientists on the list).

Academic Performance :

Degree	Discipline/ Specialization	Institute	Board/ University	Year of Passing	Percentage / Class Obtained
Post Doctorate	Natural fiber Composites/Department of Mechanical and Process Engineering	The Sirindhorn International Thai-German Graduate School of Engineering	King Mongkut's University of Technology North Bangkok, Thailand	2018-2019	-
Ph.D	Faculty of Mechanical Engineering Science	Malnad College of Engineering, Hassan	VTU,Belagavi, Karnataka, India	2013-2017	-
M.Tech	Computational Analysis in Mechanical Sciences	VTU Extension Centre, GEC, Hassan	VTU,Belagavi, Karnataka, India	2011-2013	79.66% (First Class with Distinction)
B.E	Mechanical Engineering	East Point College Engg & Tech, Bangalore	VTU,Belagavi, Karnataka, India	2006-2010	70.17% (First Class with Distinction)
PUC	PCMB	Navodaya Pre-University College, C.R.Patna, Hassan	Dept. of PU Education, Karnataka, India	2006	70% (First Class)
SSLC	English Medium	Navodaya Junior College, C.R.Patna, Hassan	KSEEB, India	2004	79.04% (First Class)
Field of Specialization: Natural fiber composites, Polymer Composites, Biopolymers, Advanced Material Technology					
Title of the Ph.D. Research Work: "Studies on Natural/E-Glass Fiber Reinforced Hybrid Polymer Composites for Engineering Applications". This doctoral dissertation is supported by Technical Education Quality Improvement Program (TEQIP-II), Government of India.					
Title of the Post Doctoral Research Work: "Studies on Natural Fiber Nanocomposites: Characterization, Properties, and Applications". This research is partly supported by the King Mongkut's University of Technology North Bangkok through the PostDoc Program (Grant No. KMUTNB-61-Post-001).					

Techniques/Instruments Handled:

Fiber Extraction method
Chemical Treatments
Manufacturing Techniques: Hand lay-up, Autoclave, Compression Molding, Solution Casting Method, Vacuum Bagging Method.
Universal Testing Machine
Impact Testing Machine
Tribometer
X-ray powder diffraction (XRD)
Scanning Electron Microscopy (SEM)
Thermogravimetric Analyzer (TGA)
FT-IR Spectrophotometer
Atomic Force Microscopy (AFM)

Career Profile:

Designation	Institution/Organization	Period
Associate Professor and Principal Research Scientist	King Mongkut's University of Technology North Bangkok, Thailand	June 2022 to Present and June 2024 to Present
Senior Research Scientist	King Mongkut's University of Technology North Bangkok, Thailand	June 2021 to May 2024
Research Scientist	King Mongkut's University of Technology North Bangkok, Thailand	July 2019 to May 2021
Post Doctoral Researcher	King Mongkut's University of Technology North Bangkok, Thailand	June 2018- June 2019
Assistant Professor	M S Ramaiah Institute of Technology, Bengaluru, Karnataka, India	From August 2017 to June 2018
Research Scholar (Research Assistantship Under TEQIP-II)	Visvesvaraya Technological University, Belagavi, Karnataka, India	Dec 2013 to June 2017
Assistant Professor	Malnad College of Engineering, Hassan, Karnataka, India	Aug 2013 to Dec 2013
Project Assistant	Indian Institute of Science, Bangalore, India	July 2012 to May 2013

Fellowships:

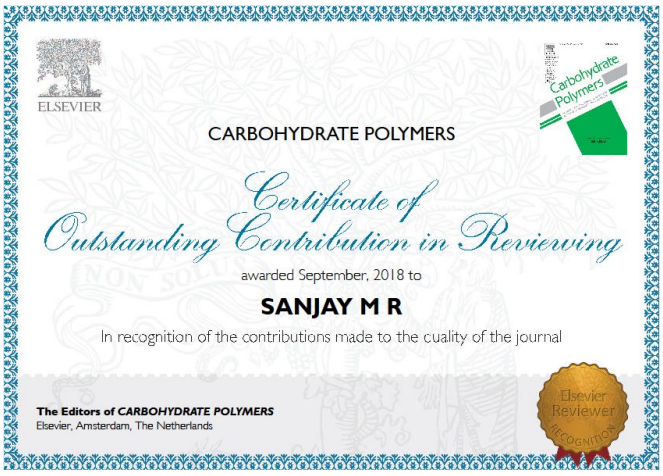
- TOP RESEARCH SCIENTIST FELLOW, University of Negeri Malang, Indonesia, as part of the World Class University (WCU) Program 2024 supported by the Ministry of Education. Culture, Research, and Technology, Republic of Indnesia and the Indnesia Endowment Fund for Education, February 1st to July 31st 2024.
- ASSOCIATE RESEARCH FELLOW (EXTERNAL), Centre For Advanced Composite Materials (CACM), Universiti Teknologi Malaysia, Malaysia, 2022.
- DAAD Academic exchange-PPP Programme (Project- related Personnel Exchange) between Thailand and Germany to Institute of Composite Materials, University of Kaiserslautern, Germany, 2019.
- PostDoc Fellowship from King Mongkut's University of Technology North Bangkok, Thailand, 2018.
- Research Assistantship for Ph.D. under Technical Education Quality Improvement Program (TEQIP-II), Government of India from 2013-2016.

Honors/Achievements:

- **Visiting Member,** BYD Company Limited, Shenzhen, China, April 21-25, 2024.
- Top 10 Cited SPE Journal Author 2021-2022 from SPE-Inspiring Plastics Professionals, Wiley.
- Received a Top Peer Reviewer 2019 award, Global Peer Review Awards, Powered by Publons, Web of Science Group.

- **Guest Editor** for special issue "Tribology of Composite Materials", Science Publishing Group, USA.
- **Visiting Researcher,** Laboratory of Biocomposite Technology, Institute of Tropical Forestry and Forest Products (INTROP), Universiti Putra Malaysia, August 21-25, 2019.
- **"Study on Mechanical Properties of Natural - Glass Fibre Reinforced Polymer Hybrid Composites: A Review"** Elsevier, Materials Today: P, Vol. 2, Issues 4-5, 2015, pp. 2959-2967. This Article featured in the ScienceDirect **Top 25** List of Most Downloaded Articles Ranked **1st** on the Top 25 for Materials Today: Proceedings from July to September 2015. doi:10.1016/j.matpr.2015.07.264

- **Outstanding Contribution in Reviewing** from Elsevier, Carbohydrate Polymers.



- **Outstanding Contribution in Reviewing** from Elsevier, Journal of Cleaner Production.

- **Outstanding reviewer** in 2024 for the Journal of Materials Engineering and Performance, SPRINGER.

Keynote/Invited Talks:

- **Invited Speaker** to the seminar organized by school of Materials Science and Engineering, Vidyasirimedhi Institute of Science and Technology (VISTEC), **Thailand,** on 27 March 2025.
- **Invited Speaker** for "International Conference on Advancements in Materials Sciences for Sustainable Development (AIMS-2024)" organized by Central University Haryana, **India,** on 13-15 February 2025.
- **Keynote Speaker** for "International Conference on Discoveries in Applied Sciences and Advanced Technology (DASAT2025)" organized by Universiti Teknologi MARA Malaysia**, Malaysia,** on 6-7 February 2025.
- **Keynote Speaker** for "International Mechanical Engineering Conference (iMECHCON 2025)" organized by VIT Chennai in collaboration with the Teesside University, United Kingdom, **India,** on 9-11 January 2025.
- Delivered **expert talk** on ""Natural Fiber Composites and their 3D Printed Applications"" in faculty development program on **"3D Printed Composites: Materials, Technologies, and Applications"** Sponsored by AICTE Training & Learning (ATAL) Academy at Cummins College of Engineering for Women, Pune, **India** from 6 to 11 January 2025, as a resource person on 8 January 2025.
- **Keynote Speaker** for "1st International Conference on Natural Fiber and Biocomposite (ICONFIB 2024)" organized by Universitas Padjadjaran, Bandung, **Indonesia,** on 11-12 September 2024.
- **Invited Speaker** for "4th International Conference On Sustainable Agriculture For Rural Development (4rd ICSARD)" organized by Universitas Jenderal Soedirman, **Indonesia,** on 31 July 2024.
- **Keynote Speaker** for "International Conference on Composites: Design, Processing, Manufacturing and Health Monitoring (CDPMHM 2024)" organized by Indian Institute of Technology Mandi, **India** on 20-21 June 2024.
- **Keynote Speaker** for "International Conference on Sustainable Materials for Engineering Applications (ICSMEA 2024)" organized by Indian Institute of Technology Madras, Chennai, **India** on 1-3 Febraury 2024.
- **Invited talk** on "Eco-Friendly Natural Fiber Composites for Engineering Applications" to the staff members and scholars of the Department of Mechanical and Industrial Engineering Technology at University of Johannesburg, **South Africa** on January 23, 2024.
- **Keynote Speaker** for "The 3rd International Conference on Mechanical Engineering Research and Applications (iCOMERA)" organized by Brawijaya University, Malang, **Indonesia** on 19-21 October 2023.

- **Guest Speaker** for "Five Days Online International Faculty Development Program on Recent Trends in Composites (FDP RTC 2023)" organized by Alliance University, Karnataka, **India** on 2 -6 January 2023.
- **Invited Speaker** for "The 2nd International Conference of Lignocellulose (ICONLIG)**"** organized by BRIN, **Indonesia** on 24-25 November 2022.
- **Keynote Speaker** for "International Conference on "Natural Fiber Composites – NFCC 2022" organized by Kongunadu Polytechnic College, Dindigul, **India**, November 11, 12 & 13, 2022.
- **Invited Speaker** for "2022 Brawijaya International Conference (BIC)**"** organized by Brawijaya University, Bali, **Indonesia** on 7-8 October 2022.
- **Keynote Speaker** for "Mandalika International Multi-conference on Science and Engineering (MIMSE) 2022" organized by University of Mataram, Lombok, **Indonesia** on 14/09/2022.
- **Invited Speaker** for "International Conference on Modern Trends in Manufacturing Technologies and Equipment" held in Sevastopol State University, Sevastopol, **Russia** on 5-9 September 2022.
- **Invited Speaker and Chair** for "Composite Sciences and Technology International Conference (COMSAT 2022)" 22nd-23rd August 2022, University Technology **Malaysia**, Johor, Malaysia.
- **Keynote Speaker** for "International Conference on Sustainable Materials, Manufacturing and Renewable Technologies" organized by Federal Institute of Science and Technology, Kerala, **India** on 25/05/2022.
- **Keynote Speaker** for "International Conference on Minerals, Materials and Manufacturing Methods" organized by Karpagam Academy of Higher Education, Tamilnadu, **India,** 18-19 March 2022.
- **Invited Speaker** for "International Conference on Sugar Palm and Allied Fibre Polymer Composites (SAPC2021)" organized by Persatuan Pembangunan dan Industri Enau Malaysia (PPIEM), **Malaysia** on 11/12/2021.
- **Invited Speaker** for 8th International Scientific and Practical Conference "Actual Problems and Engineering Mechanics" organized by Department of Structural Mechanics of Odessa State Academy of Civil Engineering and Architecture, Odessa, **Ukraine** on 11/05/2021.
- **Keynote Speaker** for Government of India, All India Council for Technical Education (AICTE) sponsored "International Conference on Sustainable Materials, Manufacturing and Renewable Technologies" organized by Federal Institute of Science and Technology, Kerala, **India** on 23/04/2021.
- Delivered **Invited talk** on "Natural fibers and their composites: Extraction, characterization and applications" in the TEQIP III Sponsored Five Days Faculty Development Programme on 'Novel Engineering Materials and Processing

Techniques' organized by "Department of Mechanical Engineering, Coimbatore Institute of Technology, Tamilnadu, **India** on 22/03/2021.

- Delivered **Invited talk** on "Natural fibers for the development of composites and applications" organized by International Research Projects Department National University of Science and Technology "MISiS", Moscow, **Russia** on 19/02/2021.
- Delivered **expert talk** on "Natural fibers, their composites and applications" in the 'International Workshop on Design and Manufacturing of Composites for Engineering Applications' organized by Indian Institute of Technology Mandi, **India** on 05/02/2021.
- **Keynote Speaker** for International Conference on "Security in Food, Renewable Resources, and Natural Medicine", Ministry of Research Technology and Higher Education, Andalas University and Agricultural Polytechnic of Payakumbuh, West Sumatra Province, **Indonesia,** 25-26 October 2018.

Membership of Professional Societies:

- ***Life Member,*** LM-99125 (2014) Indian Society for Technical Education (ISTE), New Delhi, India.
- ***Associate Member*****,** AMI58375-4 (2015) Institution of Engineers (IE), India.
- ***Member,*** MIAENG-157655 (2015) International Association of Engineers (IAENG).
- ***Life Member,*** M4150900499 (2015) International Society for Research and Development (ISRD). London Press, United Kingdom.
- ***Member,*** 887261912798 (2017) International Association of Advanced Materials (IAMM), Sweden.
- ***Member,*** 7170111750 (2017) SAE INDIA.

Editorial Board Member for Journals:

- Associate Editor for Frontiers in materials, Section: Polymeric and composite materials. (https://www.frontiersin.org/journals/materials/sections/polymeric-and-composite-materials)
- Editor for Discover Polymers, Springer (https://link.springer.com/journal/44347/editorial-board)

- Editor for Journal of Natural fibers, Taylor & Francis. (https://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=wjnf20)
- Editorial Board Member for Facta Universitatis Series: Mechanical Engineering. (http://casopisi.junis.ni.ac.rs/index.php/FUMechEng)
- Editorial Board Member: Discover Polymers (https://link.springer.com/journal/44347/editors)
- Editor for Applied Science and Engineering Progress, Springer. (https://ojs.kmutnb.ac.th/index.php/ijst/pages/view/EditorialTeam)
- Editorial Board Member: Mechanics of Advanced Composite Structures (MACS) (https://macs.semnan.ac.ir/journal/editorial.board?edbc=117#edb117)
- Editorial Advisory Board Member: Journal of Information Systems Engineering & Management (https://www.jisem-journal.com/home/editorial-board)
- Editorial Board Member: Journal of Materials and Environmental Science (JMES) (https://www.jmaterenvironsci.com/EditorialBoard.html)
- Editorial Board Member: Journal of Applied Agricultural Science and Technology (JAAST) (https://kinfopolitani.com/index.php/JAAST/about/editorialTeam)
- Editorial Board Member: Journal of Fibers and Polymer Composites (https://journals.gesociety.org/index.php/jfpc/about/editorialTeam)
- Editorial Board Member: Journal of Production Systems and Manufacturing Science (http://www.imperialopen.com/index.php/JPSMS/about/editorialTeam)
- Editorial Board Member: Current Chinese Science (https://currentchinesescience.com/editorial-board.php)
- Editorial Board Member: Journal of Mechanical Engineering Science and Technology (JMEST) (https://journal2.um.ac.id/index.php/jmest/about/editorialTeam)
- Associate Editor for Heliyon Journal (Materials Science), Elsevier. (2023 to 2024)

Lead Editor of Special Issues:

- “Biodegradable Polymers for Engineering Applications” ELSEVIER, Advanced Industrial and Engineering Polymer Research (Indexed by EI, Scopus, CAS, DOAJ, INSPEC; CiteScore 2021 =11.5) (Completed).
- “Advances in Sustainable Textiles” Taylor & Francis Group, Journal of Natural Fibers (On-Going)
- "Nanomaterials for sensitive applications " ELSEVIER, Chemical Physics Impact, https://www.sciencedirect.com/journal/chemical-physics-impact/about/call-for-papers#call-for-paper-on-special-issue-nanomaterials-for-sensitive-applications (On-Going)
- “Towards Sustainable and Ecofriendly Materials” Applied Science and Engineering Progress (ASEP) (On-Going)
- “Advanced Materials and Technologies for Engineering Applications”, Applied Science and Engineering Progress (ASEP) (ISSN: 2672-9156, E-ISSN: 2673-0421) (ISSN 2296-8016) indexed in SCOPUS. http://ojs.kmutnb.ac.th/index.php/ijst/pages/view/AboutTheJournal
- “Trends and Developments in Natural Fiber Composites”, Applied Science and Engineering Progress (ASEP) (ISSN: 2672-9156, E-ISSN: 2673-0421) (ISSN 2296-8016) indexed in SCOPUS. http://ojs.kmutnb.ac.th/index.php/ijst/pages/view/AboutTheJournal
- “Hybrid composites for railway applications”, Applied Science and Engineering Progress (ASEP) (ISSN: 2672-9156, E-ISSN: 2673-0421) (ISSN 2296-8016) indexed in SCOPUS. http://ojs.kmutnb.ac.th/index.php/ijst/pages/view/AboutTheJournal

Reviewer for Book Proposals:

- Elsevier
- Springer
- Taylor & Francis / CRC Press
- Royal Society of Chemistry (RSC)
- American Chemical Society (ACS)

Reviewer for Journals:

Details: https://publons.com/author/1275653/dr-m-r-sanjay#profile

Name of the Journal	Publisher
1. Scientific Reports	Nature
2. Alexandria Engineering Journal	Elsevier
3. Applied Materials Today	
4. Bioresource Technology	
5. Bioresource Technology Reports	
6. Biocatalysis and Agricultural Biotechnology	
7. Biomass and Bioenergy	
8. Composites Science and Technology	
9. Composites Part A: Applied Science and Manufacturing	
10. Composites Part B: Engineering	
11. Composites Part C	
12. Carbon Trends	
13. Carbohydrate Polymers	
14. Composite Structures	
15. Chemical Engineering Journal	
16. Chemosphere	
17. Current Research in Environmental Sustainability	
18. Cleaner and Circular Bioeconomy	
19. Defence Technology	

20. Developments in the Built Environment	
21. Energy Nexus	
22. Engineering Fracture Mechanics	
23. Environmental Nanotechnology, Monitoring & Management	
24. Environmental Technology & Innovation	
25. Global Ecology and Conservation	
26. Inorganic Chemistry Communications	
27. International Journal of Biological Macromolecules	
28. International Journal of Lightweight Materials and Manufacture	
29. Journal of Engineering Research	
30. Journal of Cleaner Production	
31. Journal of Building Engineering	
32. Journal of the Indian Chemical Society	
33. Journal of Non-Crystalline Solids	
34. Journal of Molecular Structure	
35. Journal of Environmental Chemical Engineering	
36. Polymer Testing	
37. Polymer	
38. Plant Physiology and Biochemistry	
39. Waste Management	

40. Composite Communications	
41. Data in Brief	
42. Journal of Materials Research and Technology	
43. Engineering Science and Technology, an International Journal	
44. Polymer Degradation and Stability	
45. Progress in Organic Coatings	
46. Industrial Crops and Products	
47. Heliyon	
48. Hybrid Advances	
49. Vacuum	
50. Results in Engineering	
51. Results in Surfaces and Interfaces	
52. Results in Chemistry	
53. Diamond and Related Materials	
54. Materials Today Communications	
55. Materials Today Sustainability	
56. Materials Chemistry and Physics	
57. Materials Letter	
58. Measurement	
59. Next Materials	
60. Nano Materials Science	

61. Chemical Engineering Science	
62. Advanced Industrial and Engineering Polymer Research	
63. Journal of King Saud University	
64. Journal of the Saudi Society of Agricultural Sciences	
65. Journal of Hazardous Materials	
66. Journal of Environmental Management	
67. Journal of Molecular Liquids	
68. Nano-Structures & Nano-Objects	
69. Next Research	
70. European Polymer Journal	
71. Science African	
72. Smart Materials in Manufacturing	
73. Sustainable Materials and Technologies	
74. Sustainable Chemistry and Pharmacy	
75. Structures	
76. Sustainable Chemistry One World	
77. Sustainable Chemistry for Climate Action	
78. Thermal Advances	
79. Thin-Walled Structures	
80. Cleaner and Responsible Consumption	
81. Journal of King Saud University - Science	

82. Journal of Colloid and Interface Science Open (JCIS Open)	
83. Materials Today: Proceedings	
84. Advanced Composites and Hybrid Materials	Springer
85. International Journal of Mechanics and Materials in Design	
86. Innovative Infrastructure Solutions	
87. Polymer Bulletin	
88. Journal of Material Cycles and Waste Management (JMCW)	
89. Journal of Bio- and Tribo-Corrosion	
90. Journal of Mechanical Science and Technology	
91. Journal of Materials Engineering and Performance	
92. Journal of Vibration Engineering & Technologies	
93. Discover Applied Sciences	
94. Journal of Inorganic and Organometallic Polymers and Materials	
95. Optical and Quantum Electronics	
96. Waste and Biomass Valorization (WAVE)	
97. Arabian Journal for Science and Engineering	
98. BioEnergy Research	
99. Journal of the Australian Ceramic Society	

100. Environmental Sustainability	
101. Environmental Chemistry Letters	
102. European Journal of Wood and Wood Products	
103. Journal of Polymers and the Environment	
104. Journal of Materials Science	
105. Mining, Metallurgy & Exploration	
106. Fibers and Polymers	
107. Circular Economy and Sustainability	
108. The International Journal of Advanced Manufacturing Technology	
109. Chemical Papers	
110. Colloid and Polymer Science	
111.	
112. Clean Technologies and Environmental Policy	
113. Journal of Zhejiang University-SCIENCE A	
114. Discover Mechanical Engineering	
115. High Temperature Corrosion of Materials	
116. Biotechnology for Sustainable Materials	
117.	
118. Chemistry Africa	
119. Iranian Journal of Science and Technology, Transactions A: Science	
120. Journal of Polymer Research	
121. Biomass Conversion and Biorefinery	

122. Cellulose	
123. Iranian Polymer Journal	
124. International Journal of Industrial Chemistry	
125. Chemical Research in Chinese Universities	
126. SN Applied Sciences (SNAS)	
127. Mechanics of Composite Materials (MKM)	
128. Materials Circular Economy	
129. Multiscale and Multidisciplinary Modeling, Experiments and Design	
130. Applied Composite Materials (ACMA)	
131. Emergent Materials (EMMA)	
132. Silicon (SCON)	
133. Journal of The Institution of Engineers (India): Series D	
134. Iranian Journal of Science and Technology Transactions of Civil Engineering	
135. Archives of Computational Methods in Engineering	
136. Journal of Industrial Textiles (JIT)	SAGE Publications
137. Journal of Composite Materials (JCM)	
138. Journal of Thermoplastic Composite Materials (JTCM)	
139. Journal of Engineered Fibers and Fabrics	
140. Journal of Bioactive and Compatible Polymers	
141. Polymers and Polymer Composites (PPC)	

142. Progress in Rubber Plastics and Recycling Technology	
143. Waste Management & Research: The Journal for a Sustainable Circular Economy	
144. Journal of Reinforced Plastics and Composites (JRPC)	
145. Journal of Elastomers and Plastics	
146. Plastics, Rubber and Composites	
147. Advances in Mechanical Engineering	
148. Composites and Advanced Materials	
149. Journal of Cellular Plastics (JCP)	
150. Part B: Journal of Engineering Manufacture	
151. Polymers from Renewable Resources	
152. Part C: Journal of Mechanical Engineering Science	
153. Part E: Journal of Process Mechanical Engineering	
154. Proceedings of the Institution for Mechanical Engineers, Part N	
155. Waste Management & Research: The Journal for a Sustainable Circular Economy	
156. Materials Science and Technology	
157. Science Progress	
158. Textile Research Journal (TRJ)	
159. Journal of Natural Fibers (JNF)	Taylor & Francis Group
160. Cogent Engineering	

161. Composite Interfaces	
162. European Journal of Materials	
163. Environmental Technology	
164. Essential Chem	
165. Advances in Materials and Processing Technologies	
166. Tribology - Materials, Surfaces & Interfaces	
167. Wood Material Science & Engineering	
168. Green Chemistry Letters and Reviews	
169. Journal of the Chinese Advanced Materials Society	
170. Journal of Wood Chemistry and Technology	
171. Journal of Biomaterials Science: Polymer Edition	
172. Journal of Adhesion Science and Technology	
173. Materials Research Innovations	
174. Nondestructive Testing and Evaluation	
175. Critical Reviews in Biotechnology	
176. The Journal of the Textile Institute	
177. Green Chemistry Letters and Reviews	
178. Journal of Environmental Engineering and Landscape Management	
179. Mechanics of Advanced Materials and Structures	
180. Virtual and Physical Prototyping	
181. Macromolecular Materials and Engineering	

182. Materials Science and Technology	
183. Smart Science	
184. International Journal of Polymer Analysis and Characterization	
185. Technology Analysis & Strategic Management	
186. Inorganic and Nano-Metal Chemistry	
187. Polymer-Plastics Technology and Materials	
188. Research in Materials Science	
189. Preparative Biochemistry & Biotechnology	
190. Critical Reviews in Biotechnology	
191. International Journal of Ambient Energy	
192. Advanced Energy Materials	Wiley
193. Material Science and Engineering Technology	
194. Advances in Polymer Technology	
195. Macromolecular Rapid Communications	
196. Biopolymers	
197. ChemistrySelect	
198. Journal of Vinyl and Additive Technology	
199. Journal of Applied Polymer Science	
200. Journal of Polymer Science	
201. International Journal of Energy Research	
202. Advanced Engineering Materials	

203. Journal of Surfactants and Detergents	
204. Advances in Materials Science and Engineering	
205. ChemNanoMat	
206. Polymer Composites	
207. Polymer Engineering & Science	
208. Heat Transfer	
209. Polymer International	
210. Packaging Technology & Science	
211. eFood	
212. Food Frontiers	
213. Polymers for Advanced Technologies	
214. Advances in Civil Engineering	
215. Advanced Electronic Materials	
216. Advanced Sustainable Systems	
217. Environmental Quality Management	
218. Environmental Progress & Sustainable Energy	
219. Asia-Pacific Journal of Chemical Engineering	
220. Macromolecular Symposia	
221. Nanocomposites	
222. Coloration Technology	
223. Journal of Chemical Technology & Biotechnology	
224. Engineering Reports	

225. International Journal of Energy Research	
226. Physiologia Plantarum	
227. Materials Advances	Royal Society of Chemistry (RSC)
228. New Journal of Chemistry	
229. Environmental Science: Advances	
230. Journal of Materials Chemistry B	
231. RSC Sustainability	
232. Green Chemistry	
233. ACS OMEGA	American Chemical Society (ACS)
234. Biomacromolecules	
235. Sustainable Chemistry & Engineering	
236. Sustainable Resource Management	
237. Applied Engineering Materials	
238. Applied Polymer Materials	
239. Journal of Agricultural and Food Chemistry	
240. Food Science & Technology	
241. Nano Letters	
242. Journal of Materials in Civil Engineering	American Society of Civil Engineers (ASCE)
243. Applied Engineering in Agriculture	American Society of Agricultural and Biological Engineers

244. Journal of Testing and Evaluation	ASTM
245. Polymers	MDPI
246. Materials	
247. Chemistry	
248. Functional Composites and Structures	IOP
249. Engineering Research Express	
250. Materials Research Express	
251. Journal of The Electrochemical Society	
252. Smart Materials and Structures	
253. ECS Journal of Solid State Science and Technology	
254. Frontiers in Materials	Frontier
255. International Journal of Polymer Science	Hindawi Group
256. BioResources	NC State Univesity, USA
257. Advances in Materials Science	De Gruyter
258. Main Group Metal Chemistry	
259. Reviews on Advanced Materials Science	
260. Nanotechnology Reviews	
261. Nordic Pulp & Paper Research Journal	
262. e-Polymers	
263. Journal of the Mechanical Behavior of Materials	
264. Green Processing and Synthesis	
265. Science and Engineering of Composite Materials	

266. Reviews on Advanced Materials Science	
267. High Temperature Materials and Processes	
268. Nordic Pulp & Paper Research Journal	
269. Main Group Metal Chemistry	
270. International Journal of Materials Research	
271. International Journal of Chemical Reactor Engineering	
272. International Polymer Processing	
273. Research Journal of Textile and Apparel	Emerald Group
274. Multidiscipline Modeling in Materials and Structures	
275. International Journal of Clothing Science and Technology	
276. World Journal of Engineering	
277. Recent Patents on Materials Science	Bentham Science Publishers
278. Advances in Materials(AM)	Science Publishing Group, USA
279. Composite Materials (CM)	
280. Open Journal of Composite Materials	
281. World Journal of Engineering and Technology (WJET)	Scientific Research Publishing, USA
282. Natural Resources (NR)	
283. International Journal of Automotive and Mechanical Engineering (IJAME)	Universiti Putra, Malaysia
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International Conference on Computing in Mechanical Engineering (ICCME-2015) http://iccme-conference.org/	The proceedings were published in **Springer** as a special volume in the Lecture Notes in Mechanical Engineering (ISSN: 2195-4356).	August 10-13, 2015 at School of Engineering and Technology, Kochi, Kerala India	03
Advancement on Mechanical and Manufacturing Engineering Technology (ADMMET2015) http://admmet.com/	Jurnal Teknologi (Indexed by **Elsevier: Scopus**).	November 24-26, 2015 in Bandung, Indonesia	02
Global Conference on Polymer and Composite Materials (PCM2016) http://www.cpcmconf.org/	IOP Conference Series: **Materials Science and Engineering**.	May 20 - 23, 2016, Hangzhou, China	05
2016 International Conference on Environmental and Civil Engineering Technology	International Journal of Engineering (ISSN: 1025-2495) **(Scopus Indexed)**	October 4 – 6, Penang, Malaysia, 2016	01
4th International Conference on Computational Methods in Engineering and Health Sciences (ICCMEH 2017)	-	December 19–20, Manipal University, Manipal, 2017	01

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US Patent: "Method of making composite from green material." U.S. Patent No. 11,413,795. 16 Aug. 2022.

UK Design Patent: " Bamboo Composite Wireless Charger and Mobile Stand Souvenir" International Design Classification: Version: 15-2025 Class: 13 EQUIPMENT FOR PRODUCTION, DISTRIBUTION OR TRANSFORMATION OF ELECTRICITY Subclass: 02 POWER TRANSFORMERS, RECTIFIERS, BATTERIES AND ACCUMULATORS, Design number: 6451600, Grant date: 24 June 2025, Registration date: 16 June 2025.

UK Design Patent: " Wall-Mountable Autoclave for fiber composites" International Design Classification: Version: 14-2023 Class: 24 MEDICAL AND LABORATORY EQUIPMENT Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES, Design number: 6409402, Grant date: 11 December 2024, Registration date: 06 December 2024.

UK Design Patent: "Polymer Composites Bolt Mold Die Set" International Design Classification: Version: 14-2023 Class: 08 TOOLS AND HARDWARE Subclass: 05 OTHER TOOLS AND IMPLEMENTS, Design number: 6346247 Grant date: 14 May 2024 Registration date: 09 February 2024.

UK Design Patent: "Bevel Gear Mold Die Set" International Design Classification: Version: 14-2023 Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED Subclass: 09 MACHINE TOOLS, ABRADING AND FOUNDING MACHINER, Design number: 6346246 Grant date: 15 May 2024 Registration date: 09 February 2024.

UK Design Patent: "Compact Manual Mould for Handrails" International Design Classification: Version: 14-2023 Class: 25 BUILDING UNITS AND CONSTRUCTION

ELEMENTS Subclass: 01 BUILDING MATERIALS, Design number: 6307792 Grant date: 12 September 2023 Registration date: 05 September 2023.

UK Design Patent: "Natural Fiber Composite Based Deck Chair" International Design Classification: Version: 14-2023, Class: 12 MEANS OF TRANSPORT OR HOISTING, Subclass: 07 AIRCRAFT AND SPACE VEHICLES, Design number: 6350209, Grant date: 11 March 2024, Registration date: 01 March 2024.

UK Design Patent: "Natural Fiber Composite Based Car Door" International Design Classification: Version: 14-2023, Class: 12 MEANS OF TRANSPORT OR HOISTING, Subclass: 07 AIRCRAFT AND SPACE VEHICLES, Design number: 6350210, Grant date: 11 March 2024, Registration date: 01 March 2024.

UK Design Patent: "Natural Fiber Composite Based Quadcopter Frame" International Design Classification: Version: 14-2023, Class: 12 MEANS OF TRANSPORT OR HOISTING, Subclass: 07 AIRCRAFT AND SPACE VEHICLES, Design number: 6350211, Grant date: 11 March 2024, Registration date: 01 March 2024.

UK Design Patent: "Natural Fiber Composite Based Rear Spoiler" International Design Classification: Version: 14-2023, Class: 12 MEANS OF TRANSPORT OR HOISTING, Subclass: 07 AIRCRAFT AND SPACE VEHICLES, Design number: 6350212, Grant date: 11 March 2024, Registration date: 01 March 2024.

UK Design Patent: "Natural Fiber Composite Based Robot Frame" International Design Classification: Version: 14-2023, Class: 12 MEANS OF TRANSPORT OR HOISTING, Subclass: 07 AIRCRAFT AND SPACE VEHICLES, Design number: 6350213, Grant date: 11 March 2024, Registration date: 01 March 2024.

Thailand Patent: "Formulation and Methodology of Hybrid Bio-Based Composites for Interior Car Door Panel", Application Number- 1903000880, Date:09/04/2019, Status: Granted.

Indian Patent: "Development Of Hybrid Polymer Composites Reinforced with Prosopis Juliflora Bark Fibers, Phoenix Pusilla Leaf Fibers, Glass Fabrics and Carbon Fabrics", Application Number- 202041000392, Status: Granted (25-01-2023).

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Indian Patent: "Plants dry stem waste nano fiber reinforced polymer composites", Application Number- 201941008534, Patent Journal Number- 11/2019, Journal Date- 15/03/2019, Status: Granted.

Indian Patent: "Development of Tool Box Material from Hybrid Composites Reinforced with NC, NDL. NK, GF and NP-MMC", Application Number- 201941045139, Patent Journal Number- 48/2019, Journal Date- 29/11/2019, Status: Granted.

Citations: (Based on Google Scholar)

Total Citations	33000+
h-index	92
i10-index	415

Source: https://scholar.google.com/citations?user=al91CasAAAAJ&hl=en

Citations: (Based on Scopus)

Total Citations	25000+
h-index	82

Source: https://www.scopus.com/authid/detail.uri?authorId=57042636700

List of Publications:

Books	73
Book Chapters	94
Editor Corner	12
Journals	391 (Published) + 29 (Accepted)
Journal Proceedings	18
International Conferences	17
National Conferences	03
Total Publications	**637**

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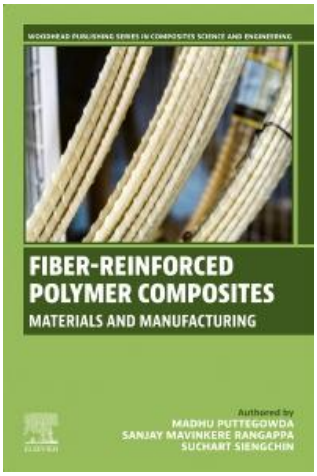
1. P Madhu, **Sanjay M R,** Suchart Siengchin, ***"Fiber-Reinforced Polymer Composites"*** **ISBN:** 9780443275470, ELSEVIER, 2025. (https://shop.elsevier.com/books/fiber-reinforced-polymer-composites/puttegowda/978-0-443-27546-3)



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3. C Balaji Ayyanar, Trishna Bal, H Esther Nalini, Sofiene Helaili, **Sanjay M R,** Suchart Siengchin ***"Plant extract loaded biopolymers for wound healing,"*** Elsevier Inc. (Production)

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4. Gaurav Arora, Manoj Kumar Singh, Himanshu Pathak, **Sanjay M R,** Suchart Siengchin, ***"Computational Mechanics of Nano-composites: Multi-scale Failure Modelling"*** Elsevier Inc. (In Progress)
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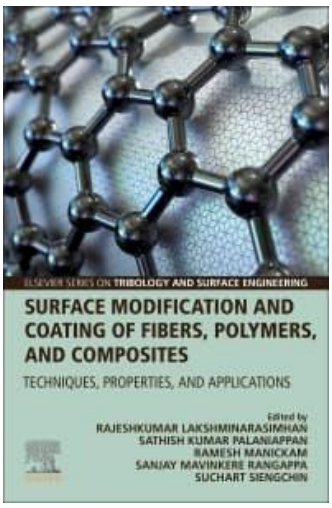

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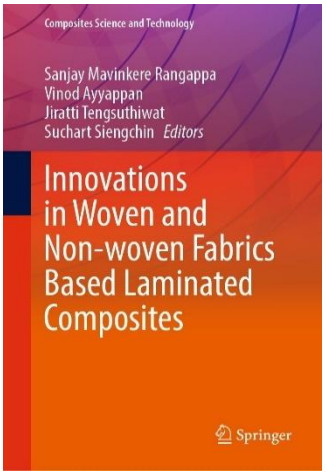

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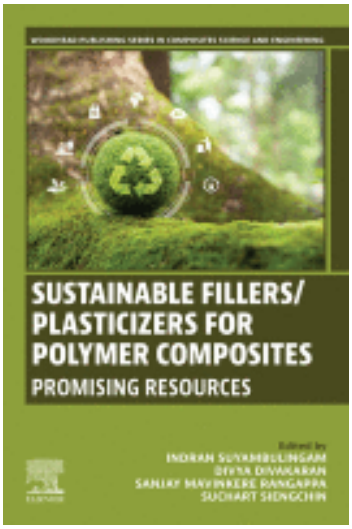

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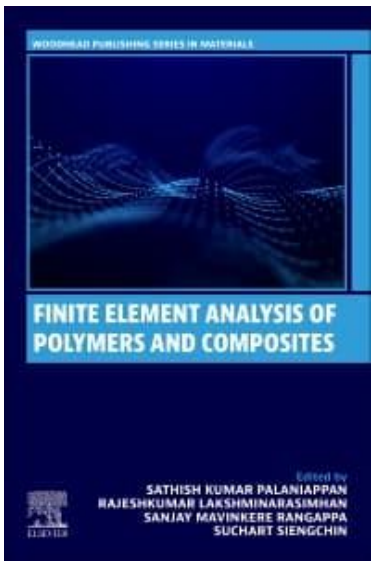

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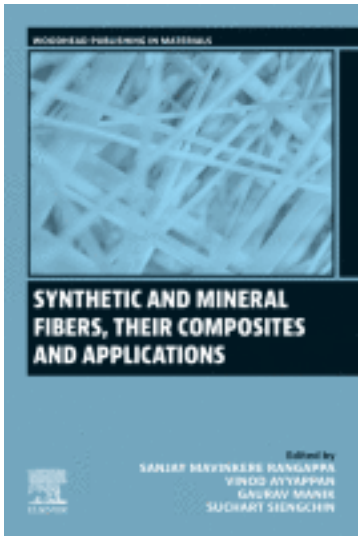

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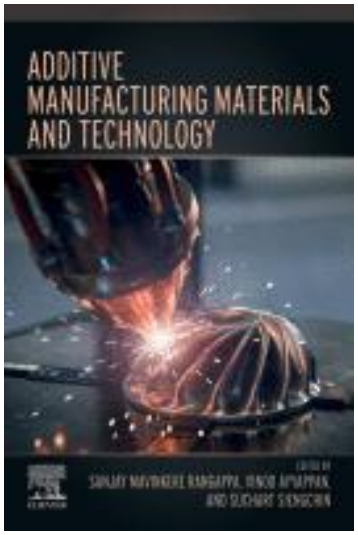

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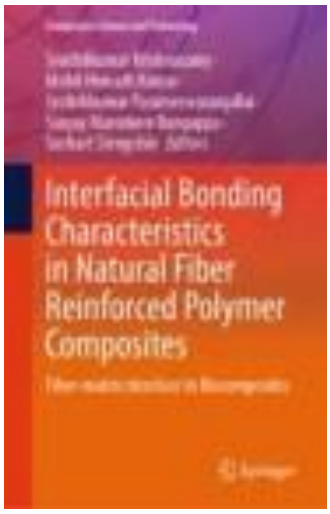

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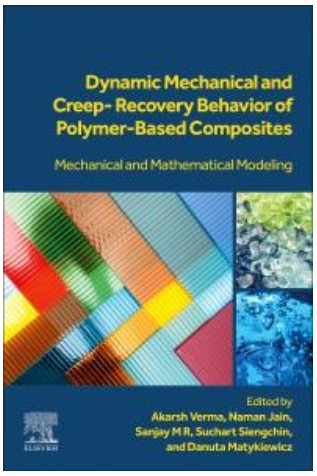

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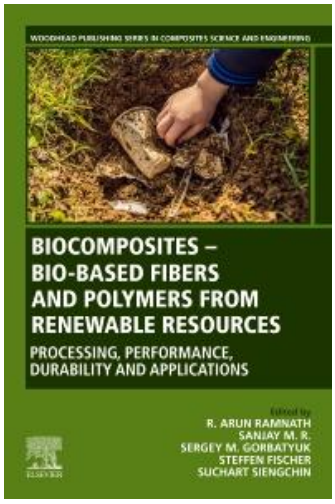

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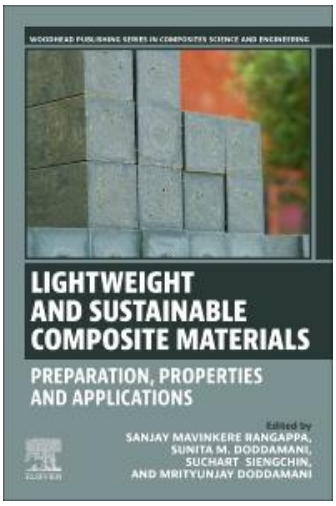
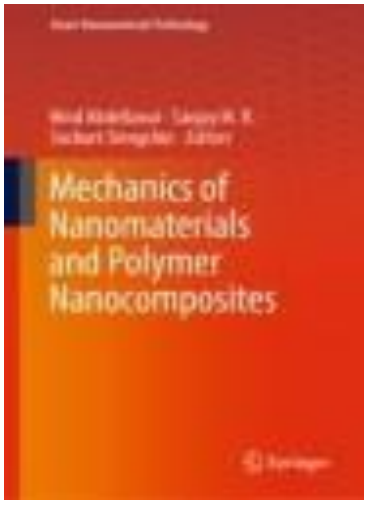
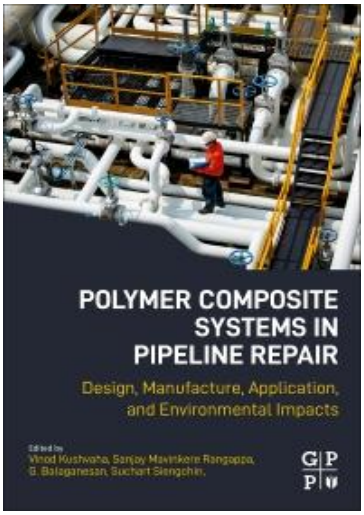
38. **Sanjay M R,** Suntha D, Suchart Siengchin, Mrityunjay Doddamani, ***"Lightweight and Sustainable Composite Materials: Preparation, Properties and Applications"*** **ISBN:** 9780323951890, ELSEVIER, Woodhead Publishing, 2023, (https://shop.elsevier.com/books/lightweight-and-sustainable-composite-materials/rangappa/978-0-323-95189-0)



39. Hind Abdellaoui, Sanjay M R, Suchart Siengchin, ***"Mechanics of Nanomaterials and Polymer Nanocomposites",*** Springer Nature. DOI: 10.1007/978-981-99-2352-6, Number of Pages: 257. ISBN: 978-981-99-2351-9, 2023.



40. Vinod Kushvaha, **Sanjay M R,** Balaganesan G, Suchart Siengchin, "***Polymer Composite Systems in Pipeline Repair: Design, Manufacture, Application, and Environmental Impacts"*** **ISBN:** 9780323993401, ELSEVIER, Gulf Professional Publishing, 2023, (https://shop.elsevier.com/books/polymer-composite-systems-in-pipeline-repair/mavinkere-rangappa/978-0-323-99340-1)



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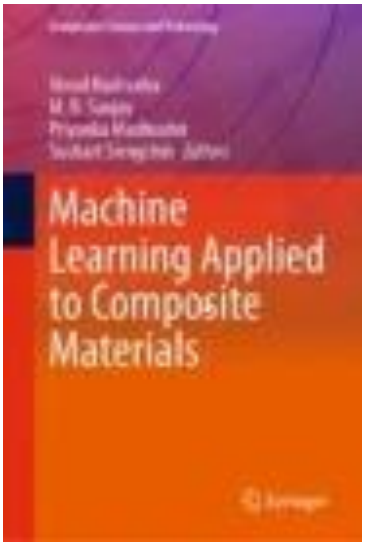

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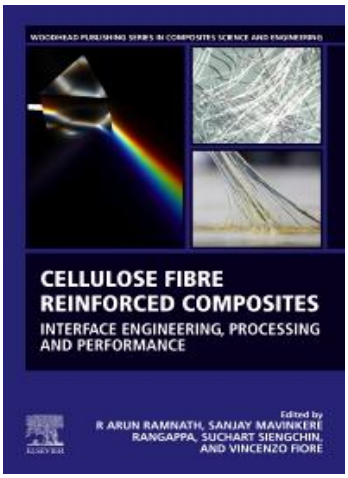

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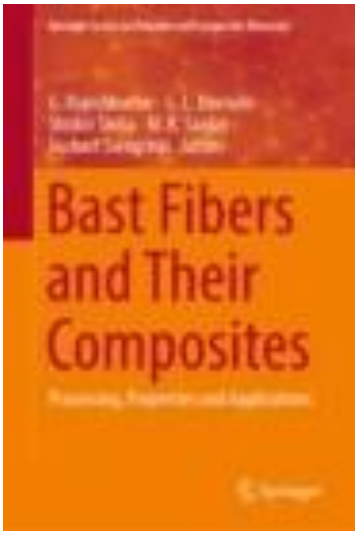

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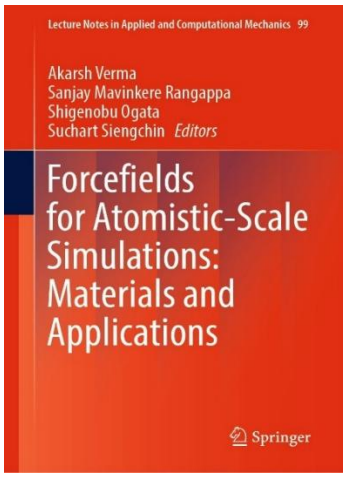

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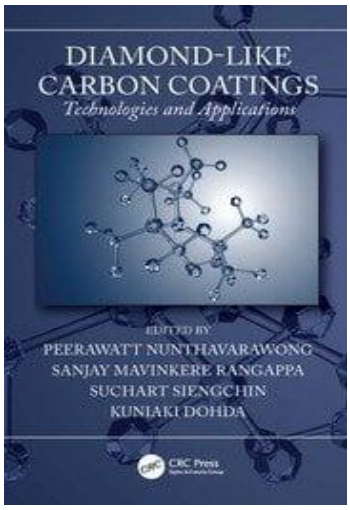

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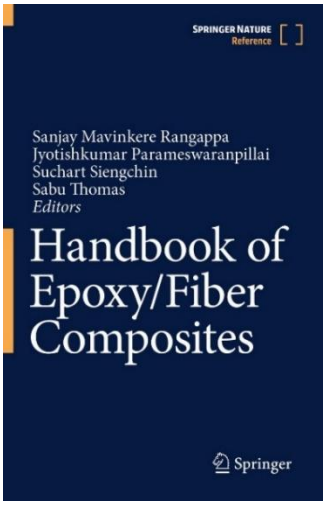

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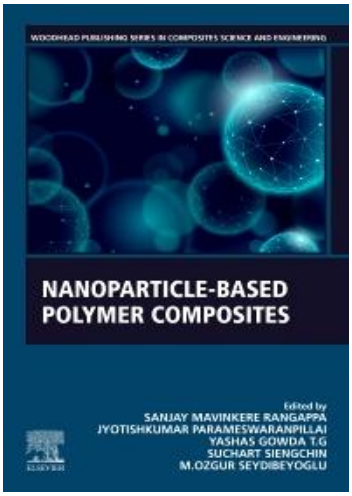

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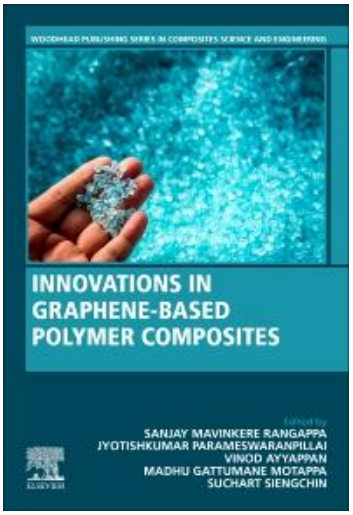

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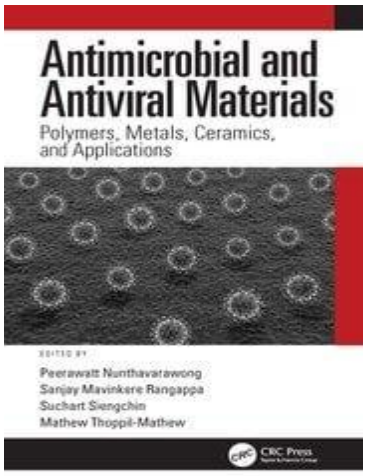

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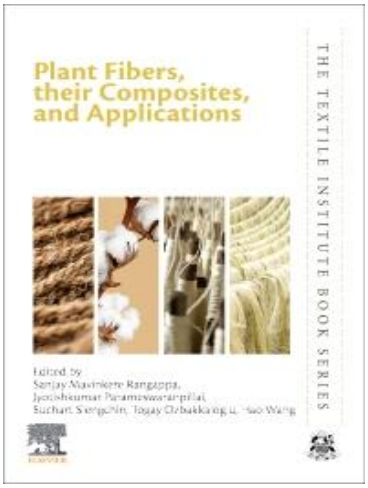

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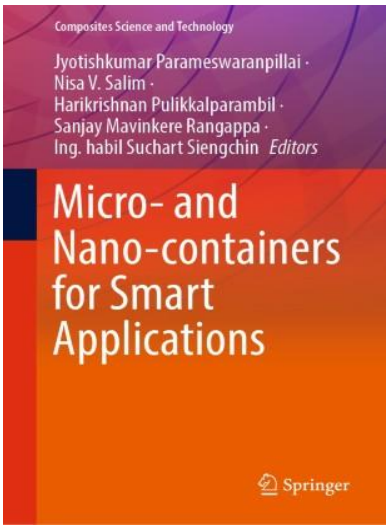

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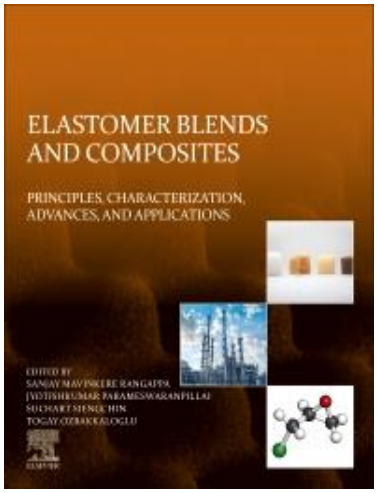

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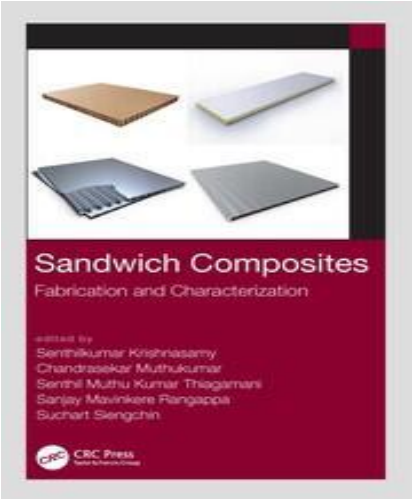

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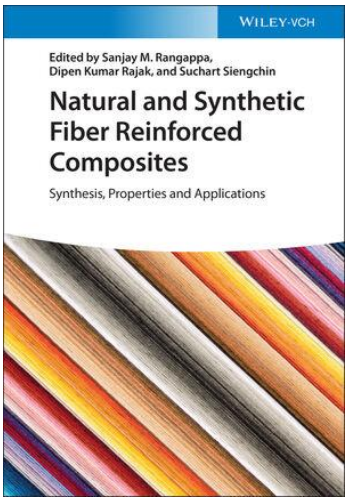

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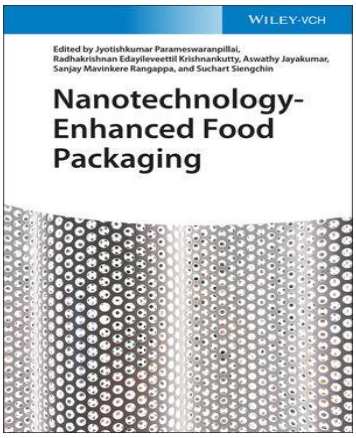

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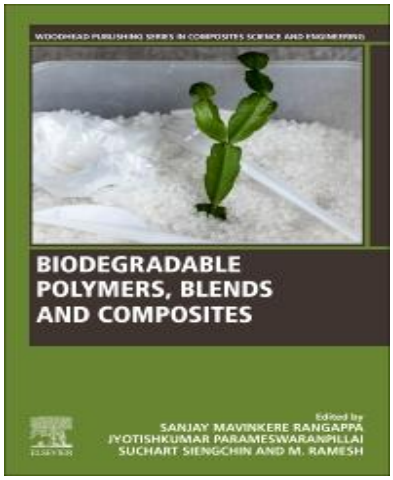

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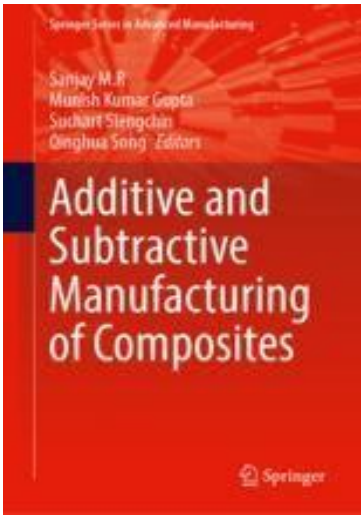

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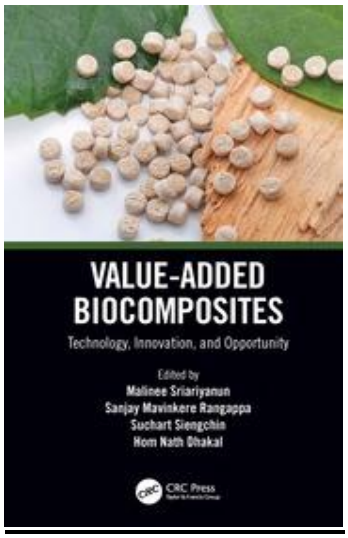

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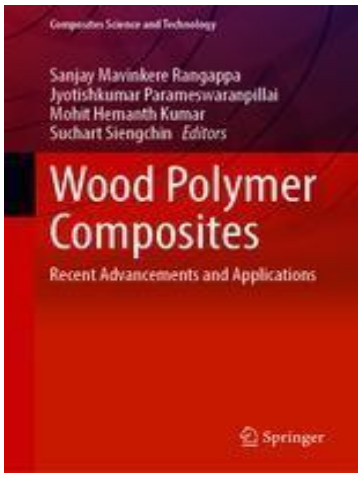

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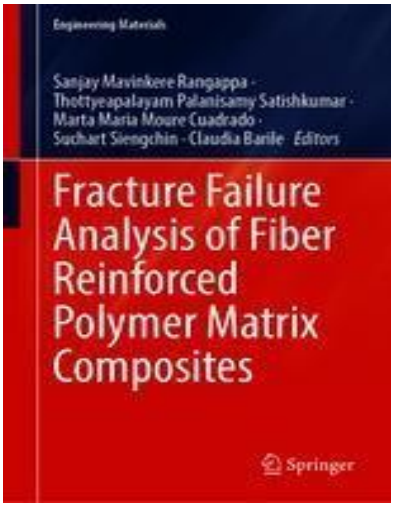

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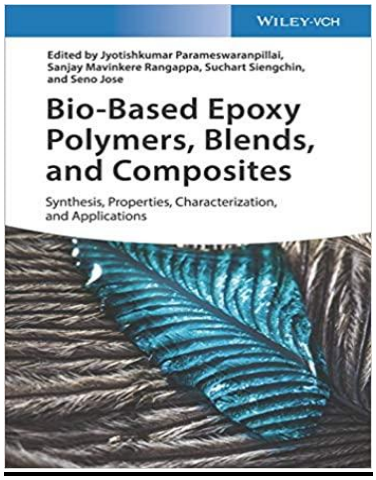

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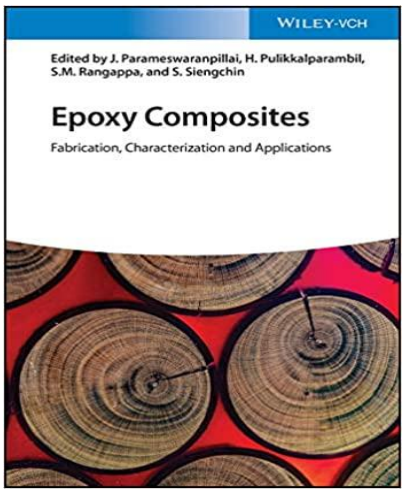

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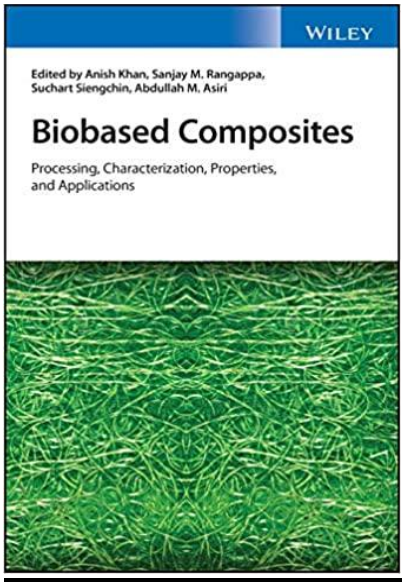

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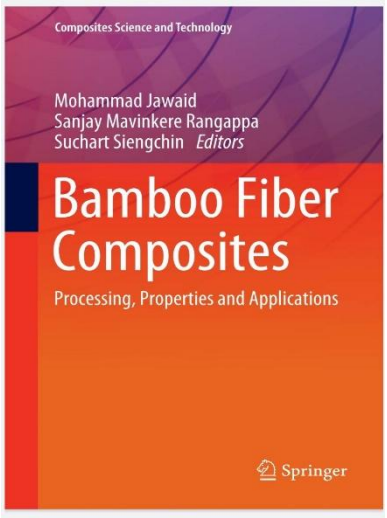

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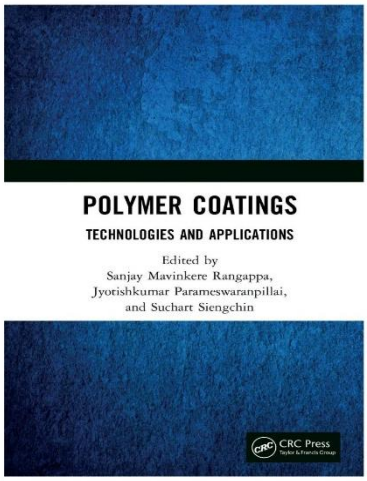

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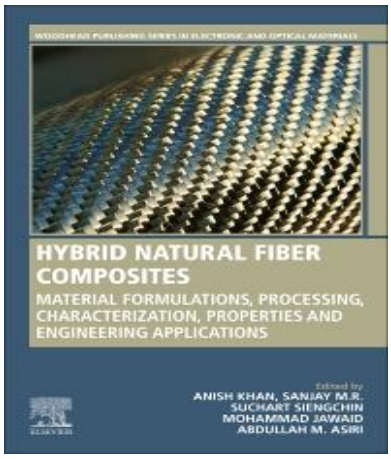

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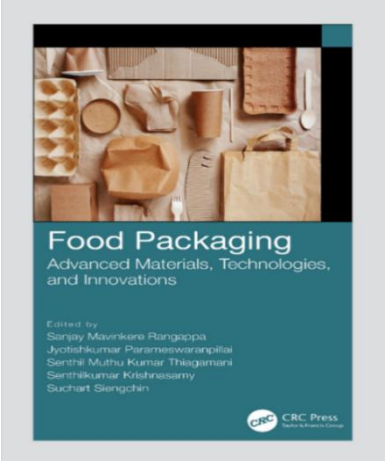

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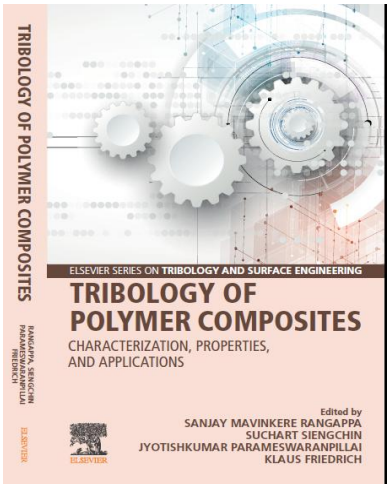

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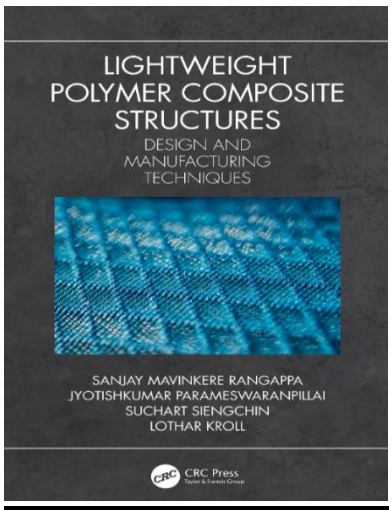

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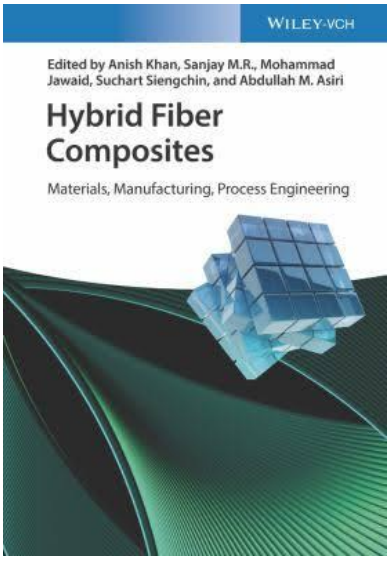

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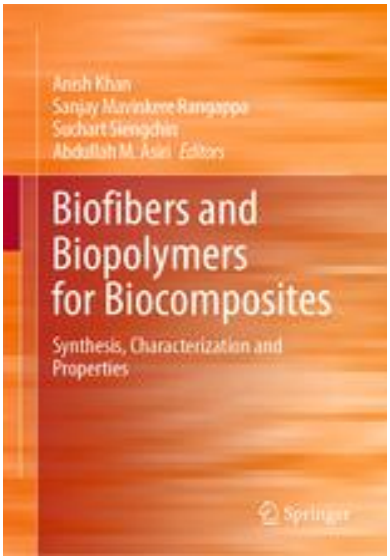

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2. J Maniraj, Felix Sahayaraj Arockiasamy, C Ram Kumar, D Ashok Kumar, I Jenish, Indran Suyambulingam, **Sanjay M R,** Suchart Siengchin, **"Machine Learning Techniques for the Design and Optimization of Polymer Composites: A Review"**, E3S Web of Conferences 428, 02013, 2023. doi.org/ 10.1051/e3sconf/202342802013 **(Scopus Indexed)**

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5. Sandhya Alice Vargese, Harikrishnan Pulikkalparambil, **Sanjay M R,** Jyotishkumar P, Suchart Siengchin**, "Antimicrobial active packaging based on PVA/Starch films incorporating basil leaf extracts"** ELSEVIER, Materials Today: P, 2022. doi.org/ 10.1016/j.matpr.2022.09.062 **(Scopus Indexed)**

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9. T P Sathishkumar, P Navaneethakrishnan, **Sanjay M R,** Suchart Siengchin**,** S Karthi, **"Optimization of geometric parameters for mode-I fracture analyse on glass fiber woven mat thermoplastic laminated composites"** ELSEVIER, Materials Today: P, 2021. doi.org/ 10.1016/j.matpr.2021.10.433 **(Scopus Indexed)**

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17. **Sanjay M R,** B Yogesha, **"Studies on Natural/Glass Fiber Reinforced Polymer Hybrid Composites: An Evolution"** ELSEVIER, Materials Today: P, 4, 2, 2017, pp. 2739–2747. doi.org/10.1016/j.matpr.2017.02.151 **(Scopus Indexed)**

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International Conferences

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2. G R Arpitha, **Sanjay M R,** B Yogesha, **"Review on Fabrication Process of Natural Fibre Reinforced Composites"** International Conference on Advances in Mechanical Sciences **(ICAMS-2017)**, May 3 - 5, 2017 at Malnad College of Engineering, Hassan, Karnataka, India.
3. **Sanjay M R,** B Yogesha,**"Physical and Mechanical Properties Evaluation of Hemp/E-Glass Fabric Reinforced Hybrid Isophthalic Polyester Composites"** International Conference on Technologically Advanced Materials **(ICTAM)** and Asian Meeting on Ferroelectricity **(AMF10),** November 7-11, 2016 at University of Delhi, New Delhi, India.
4. **Sanjay M R,** B Yogesha, **"Studies on Natural/Glass Fiber Reinforced Polymer Hybrid Composites: An Evolution"** 5th International conference on materials and characterization **(ICMPC-2016),** 12-13 March 2016 at GRIET, Hyderabad, India in collaboration with Maulana Azad National Institute of Technology (MANIT), Bhopal India.

5. **Sanjay M R,** B Yogesha, **"Mechanical Properties Evaluation of Jute/E-Glass Fiber Reinforced Epoxy Composites"** Second International Conference on Materials and Manufacturing Technology **(ICMMT-2015),** 3rd & 4th December 2015, VVIT, Bangalore, India (Paper published in McGraw-Hill Education, New Delhi, India).
6. **Sanjay M R,** G R Arpitha, B Yogesha, **"Study on Mechanical Properties of Natural – Glass Fibre Reinforced Polymer Hybrid Composites: A Review"** 4th International conference on materials and characterization **(ICMPC-2015),** 14-15 March 2015 at GRIET, Hyderabad, India.
7. **Sanjay M R,** B Yogesha, N K S Rajan, "**Experimental and CFD simulation of Producer Gas Carburetor"** 2nd International Conference on Materials, Mechanics and Management **(IMMM-2014)**, 17-19 Dec 2014 at College of Engineering, Trivandrum, Kerala, India.
8. **Sanjay M R**, S S Vinay, T Rangaswamy, N K S Rajan**, "CFD Simulation of Carburetor for Low Density Fuels"** International conference on Advanced Materials, Manufacturing, Management and Thermal sciences **(AMMMT 2013)**, 3rd and 4th May 2013 at SIT, Tumkur, Karnataka, India.
9. D Aravind, H Pulikkalparambil, K Senthilkumar, **Sanjay M R,** M Chandrasekar, T. Senthil Muthu Kumar, Suchart Siengchin, **"A review on emergence, viability, and future of composite materials in marine sectors"** International Conference on Sugar Palm and Allied Fibre Polymer Composites (SAPC2021)" organized by Persatuan Pembangunan dan Industri Enau Malaysia (PPIEM), **Malaysia** on 11/12/2021.
10. J Praveenkumara, P. Madhu, **Sanjay M R,** Suchart Siengchin, **"A brief review on natural fibers and its composites: Latest developments"** International Conference on Sugar Palm and Allied Fibre Polymer Composites (SAPC2021)" organized by Persatuan Pembangunan dan Industri Enau Malaysia (PPIEM), **Malaysia** on 11/12/2021.
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12. Yashas Gowda T G, **Sanjay M R,** Suchart Siengchin, **"Mechanical and thermal property evaluation of hybrid flax/carbon/kevlar based epoxy composites for automotive applications"** International Conference on Sugar Palm and Allied Fibre Polymer Composites (SAPC2021)" organized by Persatuan Pembangunan dan Industri Enau Malaysia (PPIEM), **Malaysia** on 11/12/2021.
13. J Praveenkumara, P. Madhu, **Sanjay M R,** Suchart Siengchin, **"Baslt Powder as Reinforcment in Thermoset and Thermoplastic based polymer Composites for Lightweight Applications",** International Conference on Advanced Engineering Materials and Composites 2024 (ICAEMC 2024) 20 – 21 May 2024, Universiti Putra Malaysia, Malaysia.
14. Arulmozhivarman Joseph Chandran, **Sanjay M R,** Indran Suyambulingam, Suchart Siengchin, **"Marine Waste as a Resource: Developing Bio-Epoxy Composites for a Sustainable Future",** International Conference on Advanced Engineering Materials and Composites 2024 (ICAEMC 2024) 20 – 21 May 2024, Universiti Putra Malaysia, Malaysia.
15. Arulmozhivarman Joseph Chandran, **Sanjay M R,** Indran Suyambulingam, Suchart Siengchin, **"Utilization of Chitin fillers from Marine Wastes for Polymeric Applications"** 1 st International Conference on Robotics, Engineering, Science and Technology (RESTCON 2024)organized by Faculty of Engineering, King Mongkut's University of Technology North Bangkok, Thailand.
16. Arulmozhivarman Joseph Chandran, **Sanjay M R,** Indran Suyambulingam, Suchart Siengchin, **"Chicken Feather Bio filler Composites: A Novel Waste-to-Resource Strategy"** International Conference on Materials and Energy (ICOME 2024), organized by Faculty of Engineering, King Mongkut's University of Technology North Bangkok, Thailand.
17. Resego Phiri, **Sanjay M R** Suchart Siengchin, **""Influence of chemical modifications on the properties of sugarcane bagasse fillers for Bio-composite developmen"** International Conference on Materials and Energy (ICOME 2024), organized by

Faculty of Engineering, King Mongkut's University of Technology North Bangkok, Thailand.

National Conferences

1. **Sanjay M R, "A Review on Natural Fibers Reinforced Polymer Based Composites"** National Conference on "Green Energy, Environment & Sustainable Development **(NCGEESD-18),** 09th and 10th March 2018 at Presidency University, Bengaluru.

2. P Madhu, **Sanjay M R,** S Pradeep, B Yogesha,**"Study on Tensile Behaviour of Century/Carbon Fiber Reinforced Polyster Based Composites"** 14th State Level ISTE Student's Annual Convention and 5th National Conference on Emerging Trends in Engineering, Research and Management **(NCETERM - 2017),** 8th and 9th September 2017at GM Institute of Technology, Davangere, Karnataka,India.

3. **Sanjay M R,** B Yogesh**a, "Study on Tensile Property Evaluation of Jute – Glass fiber reinforced Polyester"** National conference o**n** Advancement in Materials Science **(AMS 2014),** September 26th& 27th 2014 at Coimbatore Institute of Technology (CIT), Tamil Nadu, India.

Number of PhD thesis Evaluated

- King Mongkut's University of Technology North Bangkok, Thailand – **05**
- Indian Institute of Science, Bangalore, India – **03**
- University of Johannesburg, South Africa – **02**
- Indian Institute of Technology Roorkee, India – **02**
- University of Pretoria, Hatfield, South Africa – **03**
- National Institute of Technology Karnataka, Surathkal, India – **02**

- Visvesvaraya Technological University, Belgaum, Karnataka, India – **16**
- Savitribai Phule Pune University, Pune, Maharashtra, India – **01**
- Vellore Institute of Technology, India – **03**
- Sri Siddhartha Academy of Higher Education, Tumkur, Karnataka, India – **02**
- Amrita Vishwa Vidyapeetham, India– **01**
- JSS Science and Technology University, India – **01**
- Maejo University International College, Thailand – **01**
- SRM Institute of science and Technology, India – **01**
- Thiruvalluvar University, India – **01**
- Tshwane University of Technology, South Africa – **01**

Number of Master thesis Evaluated

- King Mongkut's University of Technology North Bangkok, Thailand – **01**
- Maejo University International College, Thailand – **03**
- Universiti Tunku Abdul Rahma, Malysia - **02**

List of Doctor of Engineering Scholars (KMUTNB, Thailand)

Name of the Scholar	Thesis Title	Year of Registration	Year of Degree Awarded
Yashas Gowda Thyavihalli Girijappa	Performance assessment of Hybrid fibers reinforced composites under Tribological Conditions	Jan 2019	Degree Awarded in August 2022
Vinod Ayyappan	Natural Fiber-based Eco-friendly Composites for	August 2019	Degree Awarded in November 2022

	Lightweight and 3D Printing Applications		
Praveenkumara Jagadeesh	Experimental and Analytical Predictions of FRPC's with Various Manufacturing Techniques	August 2021	Degree Awarded in October 2024
Arulmozhivarman Joseph Chandran	Forecast on Utilization of Bio-fillers for Polymer Composites	August 2021	Degree Awarded in November 2024
Resego Reginald Phiri	Effect of thermosets and thermoplastics in agro waste-based composites	August 2022	On going
Timothy Mulenga	Development of computational modelling tools and simulation of mechanical behavior of hybrid natural fiber composites	August 2024	On going

List of conference/workshop/symposium organized:

- **Chairman** for **'2nd International Conference on Sustainable Technologies, Energies and Materials (STEM'25)'** on on 19-21st February 2024,, Sposnored by National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.

- **International Advisory Board** in the **"The 6th Research, Invention, and Innovation Congress (RI2C 2025)",** on 19 & 20- August-2025, organised by King Mongkut's University of Technology North Bangkok, Thailand.
- Advisory committee member for **"International Conference on Advanced Materials and Modern Manufacturing (ICAMMM 2025)** on 11 – 12th April 2025 at Adhi College of Engineering and Technology, Tamilnadhu, India.
- **Technical review committee member** for **"International Conference on Advances in Materials and Manufacturing Technology (ICAMMT-2024)**" 17-20th December 2024 at Maulana Azad National Institute of Technology (MANIT), Bhopal **(India)**.
- **Chairman** for **'International Symposium on Sustainale Fibers and Polymeric Materials (SFPM'24)'** on 25th October 2024, Sposnored by National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.

- **International Advisory Committee Member** for "A**dvancements in Materials Sciences for Sustainable Development (AIMS-2025)**" February 13-15, 2025 organized by Dept. of Physics & Astrophysics, Central University of Haryana, Mahendragarh, India.
- **International Advisory Board** in the **"The 5th Research, Invention, and Innovation Congress (RI2C 2024)",** on 8 & 9- August-2025, organised by King Mongkut's University of Technology North Bangkok, Thailand.
- **International Advisory Committee Member** for "South East Asia - Japan Conference on Composite Materials (SEAJCCM 2024)" August 13th to 15th, 2024 in Kuala Lumpur., organized jointly by University Technology Malaysia and Tokyo University of Science, Japan.
- **Organizing Secretary** for **'International Conference on Advanced Materials for Sustainable Technologies (ICAMST-2024)'** organized by M.S. Ramaiah Institute of Technology, India and King Mongkut's University of Technology North Bangkok (KMUTNB) to be held from 22-23August, 2024.
- **SCIENTIFIC COMMITTEE MEMBER** for **"2024 International Conference on Materials and Energy (ICOME24)"** organized by King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand on 30 Oct-1 Nov 2024 .
- **ADVISORY COMMITTEE MEMBER** for "**International Conference on Composites: Design, Processing, Manufacturing And Health Monitoring**" organized by Indian Institute of Technology Mandi, **India** on 20-21/06/2024.
- **Chairman** for **'24 Hours International Symposium on Advanced Manufacturing for Polymeric Materials (AMPM'24)** on 24th May 2024 (24-04-24), Sposnored by

National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.

- **ADVISORY COMMITTEE MEMBER** for **"2024 1st International Conference on Robotics, Engineering, Science, and Technology (RESTCON 2024)"** organized by King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand on 16-18 February 2024 .
- **Chairman** for **'International Conference on Eco-friendly Fibers and Polymeric Materials (EFPM'24)'** on 18-19th February 2024, Sposnored by National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.

  Proceedings of the International Conference on Eco-friendly Fibers and Polymeric Materials

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  Editors: Sanjay Mavinkere Rangappa, Sathish Kumar Palaniappa, Suchart Siengchin

Publisher: Springer Nature Singapore

Book Series : Springer Proceedings in Materials

- **ADVISORY COMMITTEE MEMBER** for **"International Conference on Sustainable Materials for Engineering Applications (ICSMEA 2024)"** organized by Indian Institute of Technology Madras, **India** on 01 - 03 February 2024 .
- **Chairman** for **'International Symposium on Lightweight and Sustainable Polymeric Materials (LSPM'23)'** on 17th February 2023, Sposnored by National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.

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  Proceedings of the International Symposium on Lightweight and Sustainable Polymeric Materials (LSPM23)

  Editors: Sanjay Mavinkere Rangappa, Suchart Siengchin

Publisher: Springer Nature Singapore

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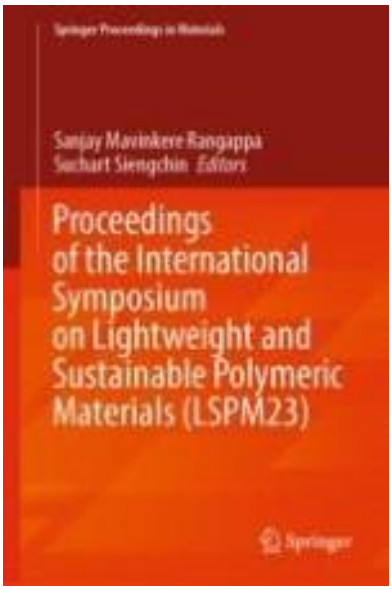

- **International Advisory Board** in the **"The 4th Research, Invention, and Innovation Congress (RI2C 2023)",** held virtually on 24 & 25- August-2023, organised by King Mongkut's University of Technology North Bangkok, Thailand.
- **ADVISORY COMMITTEE INTERNATIONAL COUNCIL** for "International Conference on Sustainable Materials, Manufacturing and Renewable Technologies" organized by Federal Institute of Science and Technology, Kerala, **India** on 24-25/04/2023.
- **International Advisory Committee Member and Steering Committee Member** for "Composite Sciences and Technology International Conference (COMSAT 2022)" 22nd-23rd August 2022, University Technology **Malaysia**, Johor, Malaysia.
- **Chair of the session** in the **"2022 Research, Invention, and Innovation Congress (RI2C 2022)",** held virtually on 4 & 5- August-2022, organised by King Mongkut's University of Technology North Bangkok, Thailand.

- **Panel Judge** in the "**International Symposium on Polymeric Materials 2022"**, held virtually on 14 & 15- June-2022, organised by Advanced Engineering Materials Composite Research Center (AEMC), Universiti Putra Malaysia.
- **Coordinator** for **'International Workshop on Hybrid Composites for Railway Applications'** on 18th February 2022, Sposnored by National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.
- **Advisory committee member** for **"International Conference on Recent Advancements In Civil And Mechanical Engineering"** on 19th - 20th May 2022 at DMI College of Engineering, Tamilnadhu, India.
- International Advisory member for **'AICTE Sponsored International E-Conference on Mechanical and Material Science Engineering: Innovation and Research (ICMMSE: IR 2021)'** on 17th – 18th September 2021 at Sandip Foundation's, Sandip Institute of Technology & Research Centre, India.
- Advisory Scientific Committee for **'International Conference on Sugar Palm and Allied Fibre Polymer Composites'** December 11, 2021' (SAPC2021), Malaysia.
- Advisory committee member for **"International Conference on Advanced Materials and Modern Manufacturing (ICAMMM 2020)** on 3rd – 4th April 2020 at Adhi College of Engineering and Technology, Tamilnadhu, India.
- Advisory committee member for **"International Conference on Advanced Trends in Mechanical and Aerospace Engineering** (ATMA-2019) on 7th – 9th November 2019 at Dayananda Sagar University, Bengaluru, Karnataka, India.

- Advisory committee member for **"Innovative Ideas in Engineering and Technology (IIET – 2018)"** on 12th – 13th April 2018 at Rao Bahadur Y Mahabaleswarappa Engineering College (RYMEC), Ballari, Karnataka, India.
- Programme Coordinator for Karnataka Science and Technology Academy (KSTA), Government of Karnataka funded three days lecture series on **"Nanotechnology and its Applications",** from 26th to 28th Feb 2018 at Ramaiah Institute of Technology, Bangalore, India.
- Organizing Committee member for AICTE Sponsored Two week Faculty Development Programme on **"Formulation, Modeling & Practical Application of Operations Research (FMPAOR-2015)"** on 4th May through 15th May 2015 at Malnad College of Engineering, Hassan, India.
- Organizing Committee member for **"International Conference on Advances in Mechanical Sciences (ICAMS-2017)"** on 3rd to 5th May 2017 organized by Department of Mechanical Engineering at Malnad College of Engineering, Hassan, India.
- Coordinator for TEQIP- II Sponsored Two Days workshop on **"Impact of TEQIP-II Assistantships for PG and Research Scholars"** in association with SPFU Karnataka on 19th and 20th September 2014 at Malnad College of Engineering, Hassan, India.

Project Grants:

Year	Name of the Project/ Head of Project	Sponsor	Amount
2024-2025	Utilization of agricultural biomass wastes for production of composites	National Science, Research and Innovation Fund (NSRF) Grant No. KMUTNB-FF-67-A-02.	47,00,000.00 thai bhat
2024-2025	Plant and mineral fiber reinforced polymer composites for lightwight applications	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 68-KNOW-15.)	4,50,000.00 thai bhat
2023-2024	Development and Characterisation of Lightweight Bio-based Composites for 3D printing applications and Advance Technology	National Science, Research and Innovation Fund (NSRF) Grant No. KMUTNB-FF-67-A-03.	40,00,000.00 thai bhat
2023-2024	Development of Bio-based fibers/polymers reinforced composites for Semi-structural applications	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 67-KNOW-27.)	4,50,000.00 thai bhat
2022-2023	Applications of manufacturing technology and properties of fiber reinforced composites	National Science, Research and Innovation Fund (NSRF) Grant No. KMUTNB-FF-66-14.	15,00,000.00 thai bhat
2022-2023	Effect of Organic Waste Fillers in Epoxy Based Hybrid Composites	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 66-KNOW-13.)	4,50,000.00 thai bhat

2021-2022	Fiber Reinforced Hybrid Composites for Railway applications	National Science, Research and Innovation Fund (NSRF) Grant No. KMUTNB-MHESI-64-16.1.	10,00,000.00 thai bhat
2021-2022	Sustainable Biofibers for Development of Biocomposites	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 65-KNOW-04.)	4,50,000.00 thai bhat
2020-2021	Biopolymer Based Biofiber Reinforced Biocomposites for Potential Applications	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 64-KNOW-04.)	4,50,000.00 thai bhat
2019-2020	Studies on natural fiber filler reinforced synthetic fabrics layered polymer hybrid composites	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB-63-KNOW-003)	4,50,000.00 thai bhat
2018-2019	Natural fiber as novel reinforcement for lightweight composites: characterization and properties	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB-62-KNOW-37)	3,00,000.00 thai bhat
2018	Design, Analysis and fabrication of natural / synthetic fiber reinforced composite based bicycle frame	41st series of SPP project, Karnataka State Council for Science and Technology, Karnataka, India	Rs.7500.00/-

List of short-term courses attended:

Sl. No.	Title	Duration	Venue
1.	Empowering Teachers	October 24th& 25th, 2013	MCE, Hassan, Karnataka, India
2.	Comprehensive Course on Solar PV System Design, Installation & Troubleshooting	November 18th to 22nd, 2013	MCE, Hassan, Karnataka, India
3.	Research Methodology- Concepts and Tools, (REMECOAT-2013)	December 16th to 20th, 2013	GCE, Aurangabad, Maharastra
4.	Manufacturing And Applications of Advanced Materials	January 27th& 28th, 2014	AIET, Moodbidre, Karnataka, India
5.	Dynamics Analysis of Machines and Structures	January 29th to 31st, 2014	NIT, Surathkal, Karnataka
6.	Author Workshop organized by VTU, Belgaum & Springer	February 13th, 2014	Central College, Bangalore, Karnataka, India
7.	Research Methodologies & Latex	July 8th to 10th, 2014	VTU, Belgaum, Karnataka, India
8.	Analytical and Numerical Techniques in Applied Mathematics and Engineering	July 28th to August 2nd, 2014	MCE, Hassan, Karnataka, India
9.	Finite Element Analysis Using ANSYS	August 16th to 18th, 2014	NIT, Calicut, Kerala, India
10.	Essential Skills for Mechanical Engineers (ESME-2014)	September 1st to 5th, 2014	MCE, Hassan, Karnataka, India
11.	Advances in Bio-Lubricants and cutting Fluids	December 8th to 12th, 2014	MCE, Hassan, Karnataka, India
12.	Transformation in Engineering Education (ICTIEE-2015)	Jan 6th to 8th, 2015	BMSCE, Bangalore, Karnataka, India

13.	Advanced Analytical Characterization of Engineering Materials.	August 26th to 27th, 2015	PESIT, Bangalore, Karnataka, India
14.	Materials Microstructure characterization using optical and scanning electron Microscopy	December20th to 24th, 2015	IIT Hyderabad, Telangana, India
15.	Mathematical Modelling and Simulation for Researchers, Engineers and Scientists (MMSFRES)	July11th to 15th, 2016	SVNIT, Surat, Gujarat, India
16.	Technology Involved in Rapid Prototyping and Reverse Engineering	February 20th, 2017	MCE, Hassan, Karnataka, India
17.	Emerging Trends in Materials and Manufacturing Technology	February 27th to March 3rd, 2017	MCE, Hassan, Karnataka, India
18.	Microwave Processing of Materials	March 17th& 18th, 2017	MCE, Hassan, Karnataka
19.	Advances in Tribology and Surface Engineering	March 20th& 21st, 2017	MCE, Hassan, Karnataka, India
20.	Slurry Erosion Effects and its Mitigation in Hydraulic Turbines	March 23rd & 24th, 2017	MCE, Hassan, Karnataka, India
21.	Design and Analysis of AIRBUS 350-900 XWB and CFD Applications	March 24th to 26th, 2017	MCE, Hassan, Karnataka, India
22.	Recent Trends in Solar Energy Applications	March 27th& 28th, 2017	MCE, Hassan, Karnataka, India
23.	Cating Defect Clinic	November 23rd, 2017	RIT, Bangalore, India
24.	Advanced Materials & Manufacturing Technology (AM&MT)	December 4th to 16th, 2018	RIT, Bangalore, India

25.	CACM international webinar series on composites research, technology and innovation talk	8th March 2022	Universiti Teknologi Malaysia, Malaysia

For furture details:

Google Scholar: https://scholar.google.co.th/citations?hl=en&user=al91CasAAAAJ

Publons: https://publons.com/author/1275653/dr-m-r-sanjay#profile

Researchgate: https://www.researchgate.net/profile/Sanjay_M_R/publications

Scopus: https://www.scopus.com/authid/detail.uri?authorId=57042636700

ORCID: https://orcid.org/0000-0001-8745-9532

Web of Science ResearcherID: N-4096-2016

Loop Frontiers: https://loop.frontiersin.org/people/768392/overview

Declaration:

I hereby declare that the above-mentioned informationis true to my knowledge and I bear the responsibility for the above-mentioned particulars.

Sanjay M R

CONGRATULATIONS TO KMUTNB RESEARCHERS
World's Top 2% Scientists 2024
by Stanford University
Single Year Citation Impact 2024
Prof.Dr. -Ing. habil. Suchart Siengchin
The Sirindhorn TGGS
Ranked 9th in Thailand & 13,229th in the World
[1st in Thailand by Polymers field]
Assoc.Prof.Dr. Sanjay Mavinkere Rangappa
Office of the President
Ranked 11th in Thailand & 10,608th in the World
[2nd in Thailand by Polymers field]

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Career-long Citation Impact 2024
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The Sirindhorn TGGS
Prof.Dr. Phatiphat Thounthong
Faculty of Technical Education
Ranked 39th in Thailand & 78,208th in the World
[1st in Thailand by Electrical & Electronic Engineering field]
Assoc.Prof.Dr. Sanjay Mavinkere Rangappa
Office of the President
Prof.Dr. Piti Sukontasukkul
Faculty of Engineering
Assoc.Prof.Dr. Montree Siripruchyanun
Faculty of Technical Education
[3rd in Thailand by Networking & Telecommunications field]
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CONGRATULATIONS TO KMUTNB RESEARCHERS
World's Top 1% Scientists 2023
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Ranked 10th in Thailand
13,397th in the World
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Sanjay M. Rangappa
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ศ.ดร.ปิติ สุคนธสุทุล
Dr.Jyotishkumar Parameswaranpillai
STRI Science and Technology Research Institute

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ศ.ดร.ปฏิพัทธ์ ทวนทอง
ศ.ดร.เจษฎา ธาริบุญ
ผศ.ดร.รัชดะ อัศวรุ่งนิรันดร์
รศ.ดร.ยนตรี ศิริปรัชญานันท์
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ศ.ดร.จันทรพร ผลากรกุล
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