

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.**



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- **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/Depart ment 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 Indonesia and the Indonesia 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:

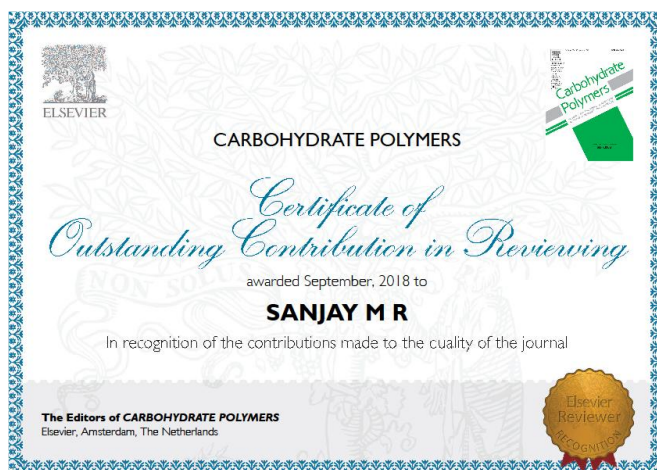
- **Visiting Member**, BYD Company Limited, Shenzhen, China, April 21-25, 2024.
- Top 10 Cited SPE Journal Author 2021-2022 from SPE-Inspiring Plastics Professionals, Wiley.
- Received a Top Peer Reviewer 2019 award, Global Peer Review Awards, Powered by Publons, Web of Science Group.



- **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](https://doi.org/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 February 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 (JAASST)
(<https://kinfopolitani.com/index.php/JAASST/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/IPSMS/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. Chemical Engineering Science	
61. Advanced Industrial and Engineering Polymer Research	
62. Journal of King Saud University	
63. Journal of the Saudi Society of Agricultural Sciences	
64. Journal of Hazardous Materials	
65. Journal of Environmental Management	
66. Journal of Molecular Liquids	
67. Nano-Structures & Nano-Objects	
68. Next Research	

69. European Polymer Journal	
70. Science African	
71. Smart Materials in Manufacturing	
72. Sustainable Materials and Technologies	
73. Sustainable Chemistry and Pharmacy	
74. Structures	
75. Sustainable Chemistry One World	
76. Sustainable Chemistry for Climate Action	
77. Thermal Advances	
78. Thin-Walled Structures	
79. Cleaner and Responsible Consumption	
80. Journal of King Saud University - Science	
81. Journal of Colloid and Interface Science Open (JCIS Open)	
82. Materials Today: Proceedings	Springer
83. Advanced Composites and Hybrid Materials	
84. International Journal of Mechanics and Materials in Design	
85. Innovative Infrastructure Solutions	
86. Polymer Bulletin	
87. Journal of Material Cycles and Waste Management (JMCW)	
88. Journal of Bio- and Tribo-Corrosion	
89. Journal of Mechanical Science and Technology	
90. Journal of Materials Engineering and Performance	
91. Journal of Vibration Engineering & Technologies	
92. Discover Applied Sciences	
93. Journal of Inorganic and Organometallic Polymers and Materials	
94. Optical and Quantum Electronics	
95. Waste and Biomass Valorization (WAVE)	
96. Arabian Journal for Science and Engineering	
97. BioEnergy Research	
98. Journal of the Australian Ceramic Society	
99. Environmental Chemistry Letters	
100. European Journal of Wood and Wood Products	
101. Journal of Polymers and the Environment	
102. Journal of Materials Science	

103. Mining, Metallurgy & Exploration	
104. Fibers and Polymers	
105. The International Journal of Advanced Manufacturing Technology	
106. Chemical Papers	
107. Colloid and Polymer Science	
109. Journal of Zhejiang University-SCIENCE A	
110. Discover Mechanical Engineering	
111. High Temperature Corrosion of Materials	
112. Biotechnology for Sustainable Materials	
114. Chemistry Africa	
115. Iranian Journal of Science and Technology, Transactions A: Science	
116. Journal of Polymer Research	
117. Biomass Conversion and Biorefinery	
118. Cellulose	
119. Iranian Polymer Journal	
120. International Journal of Industrial Chemistry	
121. Chemical Research in Chinese Universities	
122. SN Applied Sciences (SNAS)	
123. Mechanics of Composite Materials (MKM)	
124. Materials Circular Economy	
125. Multiscale and Multidisciplinary Modeling, Experiments and Design	
126. Applied Composite Materials (ACMA)	
127. Emergent Materials (EMMA)	
128. Silicon (SCON)	
129. Journal of The Institution of Engineers (India): Series D	
130. Iranian Journal of Science and Technology Transactions of Civil Engineering	
131. Archives of Computational Methods in Engineering	
132. Journal of Industrial Textiles (JIT)	SAGE Publications
133. Journal of Composite Materials (JCM)	
134. Journal of Thermoplastic Composite Materials (JTCM)	
135. Journal of Engineered Fibers and Fabrics	
136. Journal of Bioactive and Compatible Polymers	
137. Polymers and Polymer Composites (PPC)	

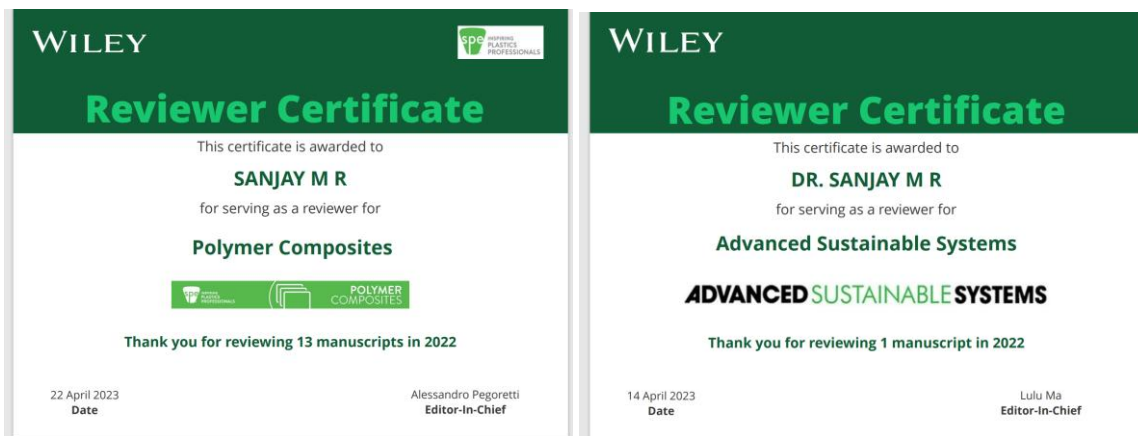
138. Waste Management & Research: The Journal for a Sustainable Circular Economy	
139. Journal of Reinforced Plastics and Composites (JRPC)	
140. Journal of Elastomers and Plastics	
141. Plastics, Rubber and Composites	
142. Advances in Mechanical Engineering	
143. Composites and Advanced Materials	
144. Journal of Cellular Plastics (JCP)	
145. Part B: Journal of Engineering Manufacture	
146. Polymers from Renewable Resources	
147. Part C: Journal of Mechanical Engineering Science	
148. Part E: Journal of Process Mechanical Engineering	
149. Proceedings of the Institution for Mechanical Engineers, Part N	
150. Waste Management & Research: The Journal for a Sustainable Circular Economy	
151. Science Progress	
152. Textile Research Journal (TRJ)	Taylor & Francis Group
153. Journal of Natural Fibers (JNF)	
154. Cogent Engineering	
155. Composite Interfaces	
156. European Journal of Materials	
157. Environmental Technology	
158. Essential Chem	
159. Advances in Materials and Processing Technologies	
160. Tribology - Materials, Surfaces & Interfaces	
161. Wood Material Science & Engineering	
162. Green Chemistry Letters and Reviews	
163. Journal of the Chinese Advanced Materials Society	
164. Journal of Wood Chemistry and Technology	
165. Journal of Biomaterials Science: Polymer Edition	
166. Journal of Adhesion Science and Technology	
167. Materials Research Innovations	
168. Nondestructive Testing and Evaluation	
169. Critical Reviews in Biotechnology	
170. The Journal of the Textile Institute	
171. Green Chemistry Letters and Reviews	

172. Journal of Environmental Engineering and Landscape Management	
173. Mechanics of Advanced Materials and Structures	
174. Virtual and Physical Prototyping	
175. Macromolecular Materials and Engineering	
176. Materials Science and Technology	
177. Smart Science	
178. International Journal of Polymer Analysis and Characterization	
179. Technology Analysis & Strategic Management	
180. Inorganic and Nano-Metal Chemistry	
181. Polymer-Plastics Technology and Materials	
182. Research in Materials Science	
183. Preparative Biochemistry & Biotechnology	
184. Critical Reviews in Biotechnology	
185. International Journal of Ambient Energy	
186. Advanced Energy Materials	Wiley
187. Material Science and Engineering Technology	
188. Advances in Polymer Technology	
189. Macromolecular Rapid Communications	
190. Biopolymers	
191. ChemistrySelect	
192. Journal of Vinyl and Additive Technology	
193. Journal of Applied Polymer Science	
194. Journal of Polymer Science	
195. International Journal of Energy Research	
196. Advanced Engineering Materials	
197. Journal of Surfactants and Detergents	
198. Advances in Materials Science and Engineering	
199. ChemNanoMat	
200. Polymer Composites	
201. Polymer Engineering & Science	
202. Heat Transfer	
203. Polymer International	
204. Packaging Technology & Science	
205. eFood	
206. Food Frontiers	
207. Polymers for Advanced Technologies	

208. Advances in Civil Engineering	
209. Advanced Electronic Materials	
210. Advanced Sustainable Systems	
211. Environmental Quality Management	
212. Asia-Pacific Journal of Chemical Engineering	
213. Macromolecular Symposia	
214. Nanocomposites	
215. Coloration Technology	
216. Journal of Chemical Technology & Biotechnology	
217. Engineering Reports	
218. International Journal of Energy Research	
219. Physiologia Plantarum	Royal Society of Chemistry (RSC)
220. Materials Advances	
221. New Journal of Chemistry	
222. Environmental Science: Advances	
223. Journal of Materials Chemistry B	
224. RSC Sustainability	
225. Green Chemistry	American Chemical Society (ACS)
226. ACS OMEGA	
227. Sustainable Chemistry & Engineering	
228. Sustainable Resource Management	
229. Applied Engineering Materials	
230. Applied Polymer Materials	
231. Journal of Agricultural and Food Chemistry	
232. Nano Letters	American Society of Civil Engineers (ASCE)
233. Journal of Materials in Civil Engineering	
234. Applied Engineering in Agriculture	American Society of Agricultural and Biological Engineers
235. Journal of Testing and Evaluation	ASTM
236. Polymers	MDPI
237. Materials	
238. Chemistry	
239. Functional Composites and Structures	IOP
240. Engineering Research Express	
241. Materials Research Express	
242. Journal of The Electrochemical Society	
243. Smart Materials and Structures	

244. ECS Journal of Solid State Science and Technology	
245. Frontiers in Materials	Frontier
246. International Journal of Polymer Science	Hindawi Group
247. BioResources	NC State Univesity, USA
248. Advances in Materials Science	De Gruyter
249. Main Group Metal Chemistry	
250. Reviews on Advanced Materials Science	
251. Nanotechnology Reviews	
252. Nordic Pulp & Paper Research Journal	
253. e-Polymers	
254. Journal of the Mechanical Behavior of Materials	
255. Green Processing and Synthesis	
256. Science and Engineering of Composite Materials	
257. Reviews on Advanced Materials Science	
258. High Temperature Materials and Processes	
259. Nordic Pulp & Paper Research Journal	
260. Main Group Metal Chemistry	
261. International Journal of Materials Research	
262. International Journal of Chemical Reactor Engineering	
263. International Polymer Processing	
264. Research Journal of Textile and Apparel	Emerald Group
265. Multidiscipline Modeling in Materials and Structures	
266. International Journal of Clothing Science and Technology	
267. World Journal of Engineering	
268. Recent Patents on Materials Science	Bentham Science Publishers
269. Advances in Materials(AM)	Science Publishing Group, USA
270. Composite Materials (CM)	
271. Open Journal of Composite Materials	
272. World Journal of Engineering and Technology (WJET)	Scientific Research Publishing, USA
273. Natural Resources (NR)	
274. International Journal of Automotive and Mechanical Engineering (IJAME)	Universiti Putra, Malaysia
275. Applied Science and Engineering Progress	KMUTNB, Thailand







Served as a Reviewer for Conferences:

Name of the Conference	Publication	Venue and organizer	Number of Articles Reviewed
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
4 th 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: " 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.

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Indian Patent: “Development of Car Bumper Material Utilizing Sugarcane Nanocellulose, Dry Leaves Fiber, Glass Fiber and Al-Sicnp Reinforced Hybrid Polymer Composites”, Application Number- 201941027153, Patent Journal Number- 31/2019, Journal Date- 02/08/2019, Status: Granted.

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.

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Total Citations	31000+
h-index	90
i10-index	400

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

Citations: (Based on Scopus)

Total Citations	24500+
h-index	82

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

List of Publications:

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Book Chapters	94
Editor Corner	12
Journals	391 (Published) + 18 (Accepted)
Journal Proceedings	18
International Conferences	17
National Conferences	03
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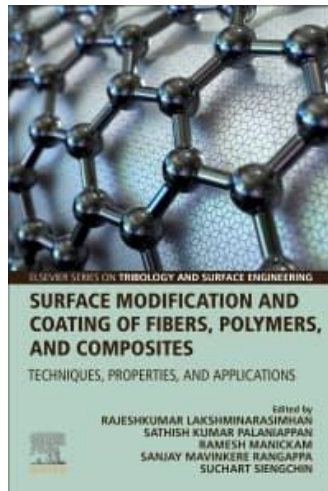
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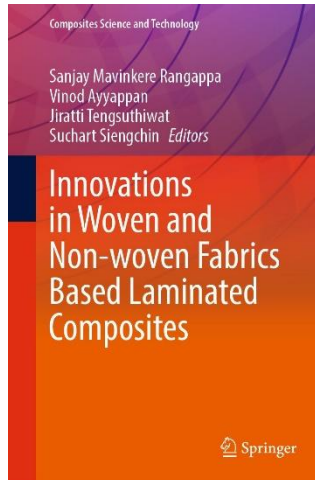
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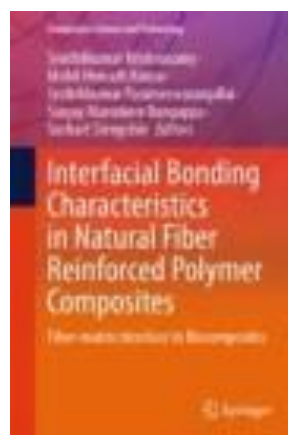
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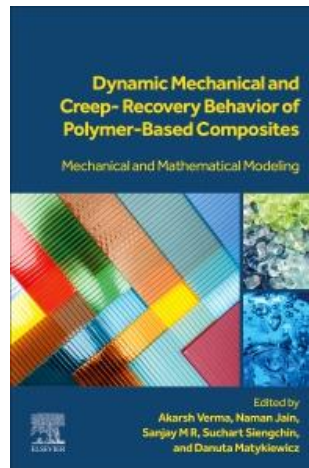
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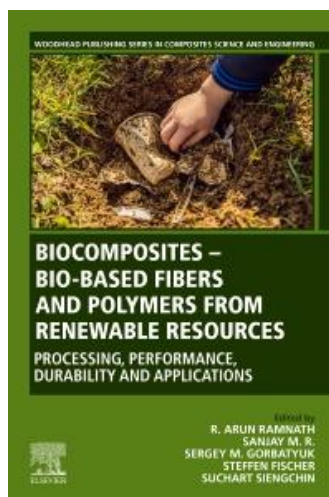


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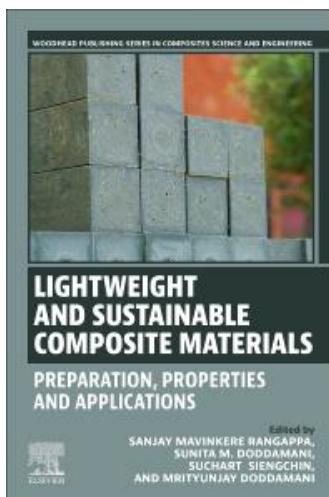
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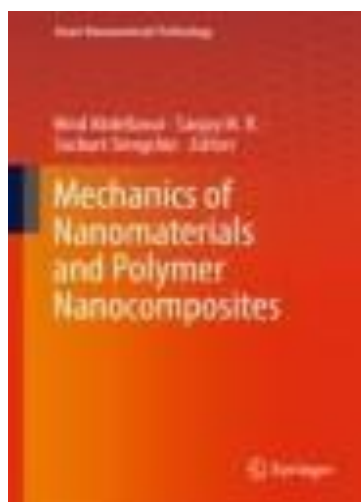
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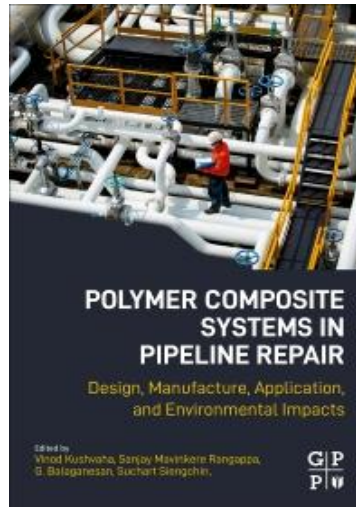
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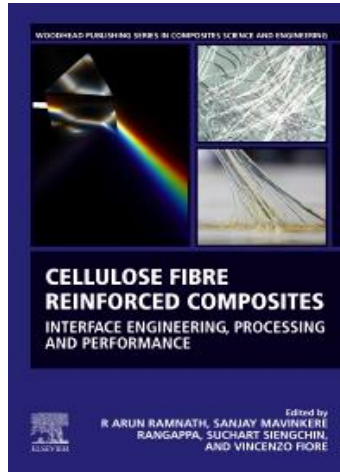


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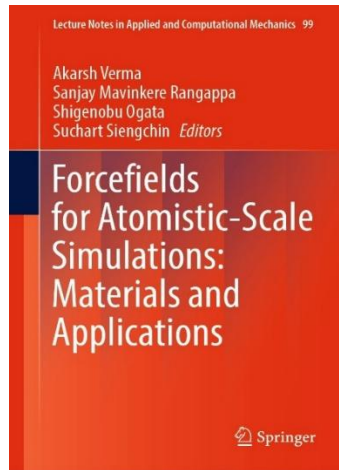


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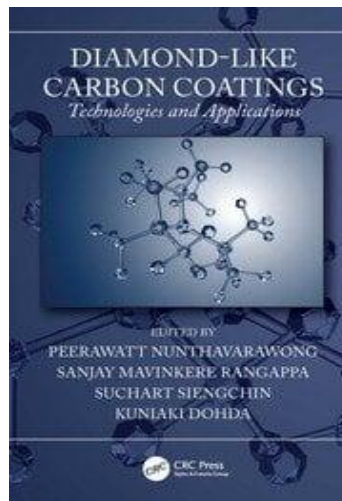


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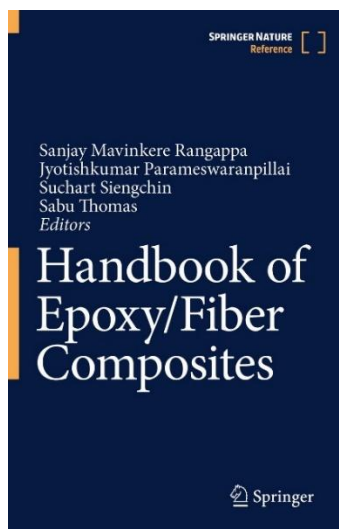
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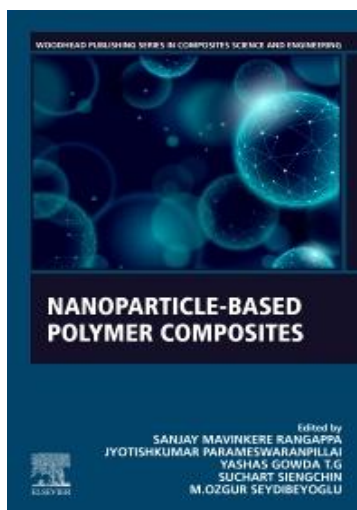
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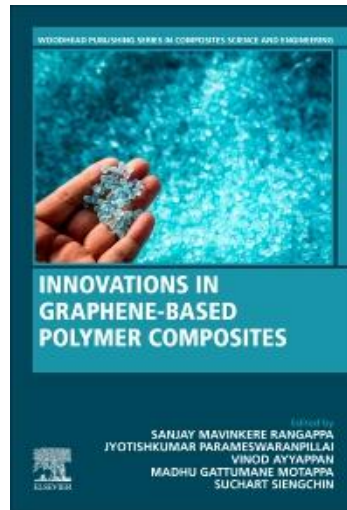


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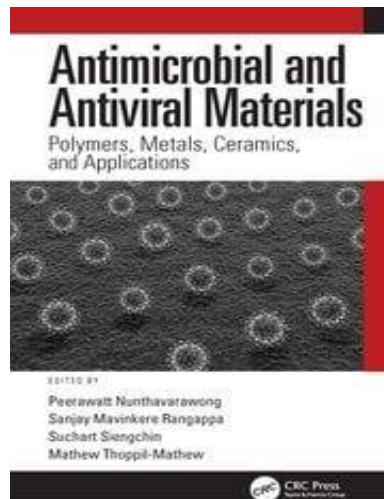


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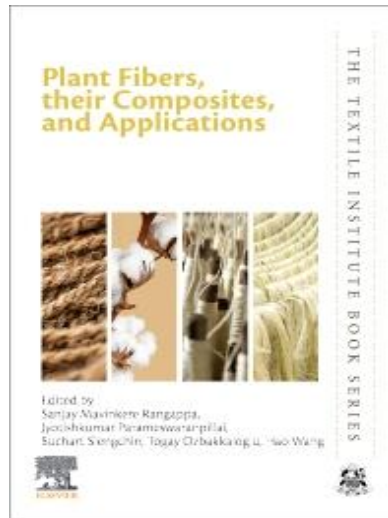


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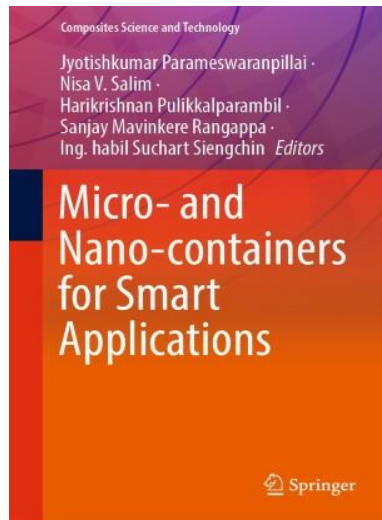


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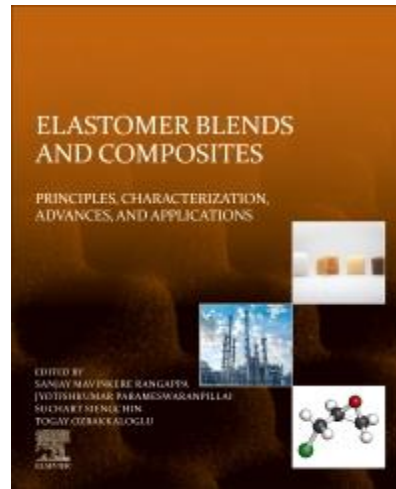


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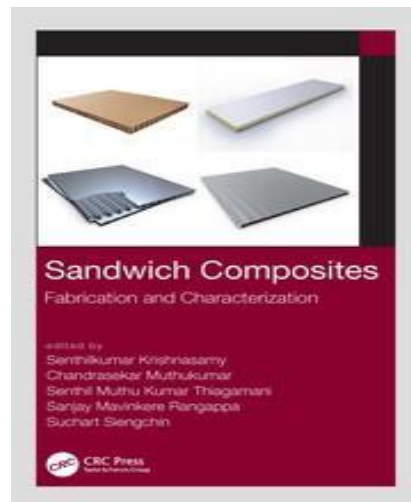


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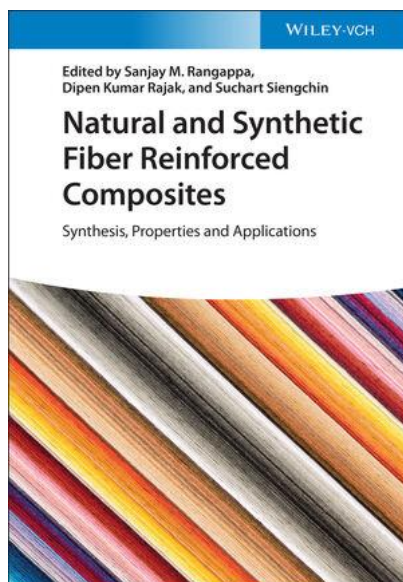
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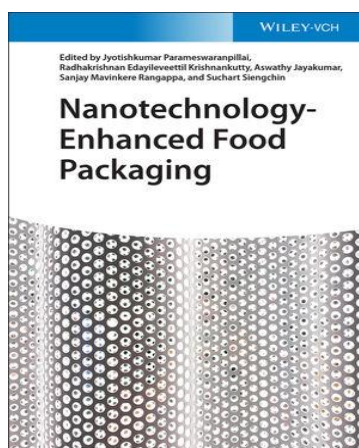


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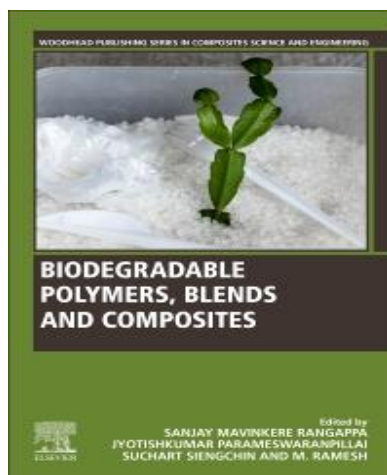
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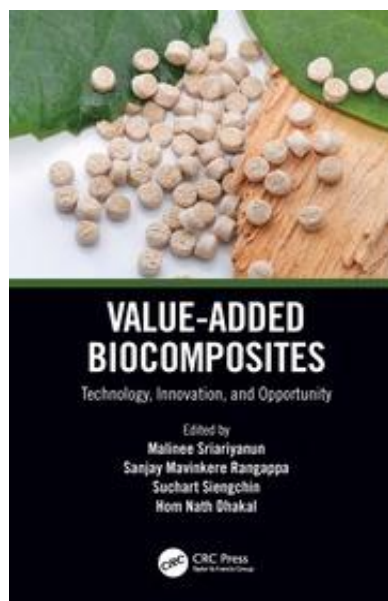
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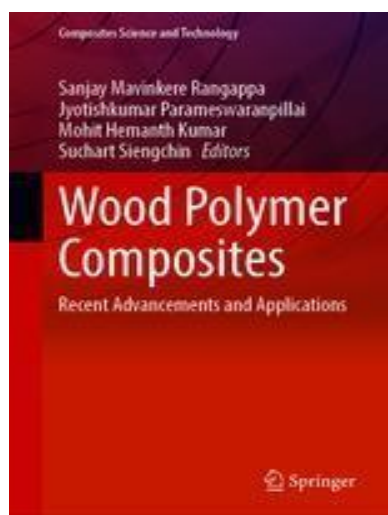
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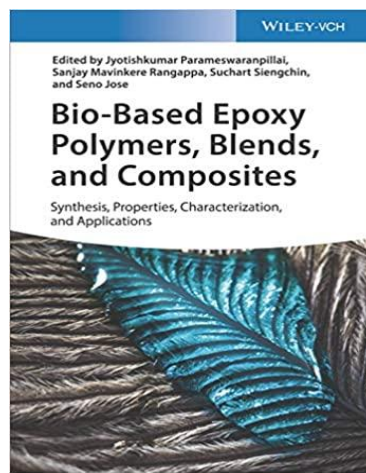
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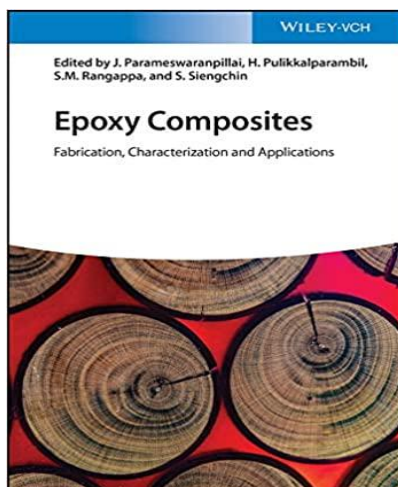
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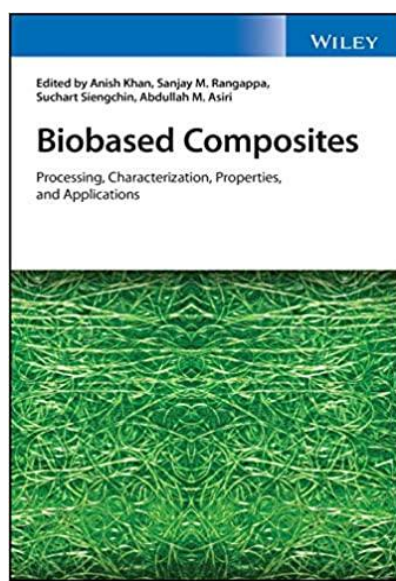
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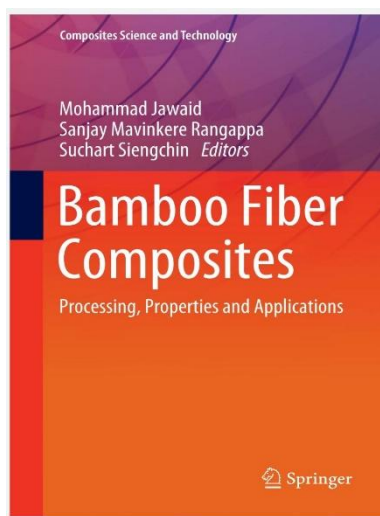
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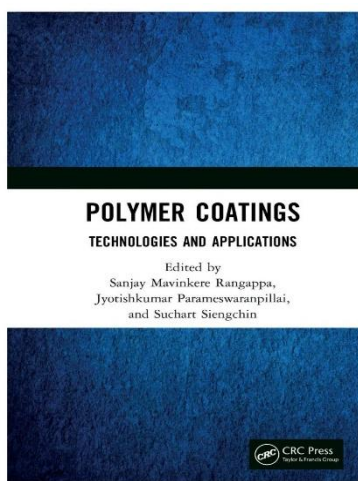
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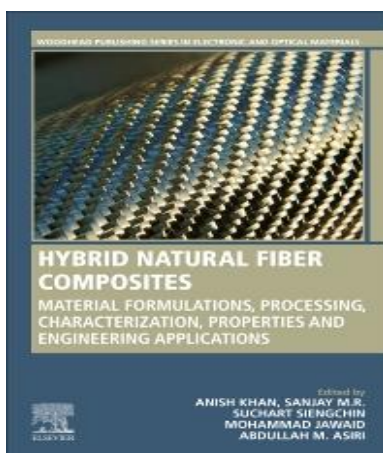
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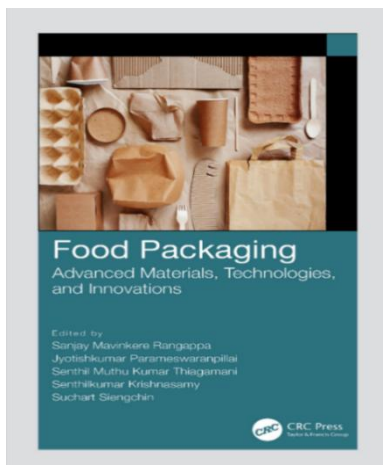
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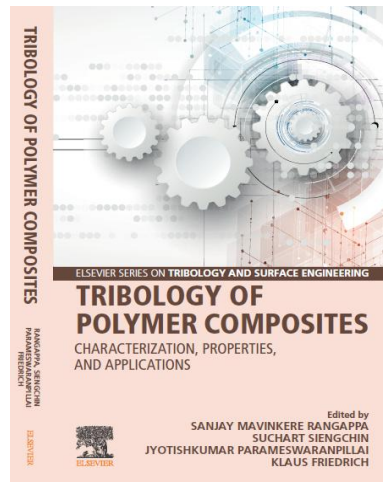
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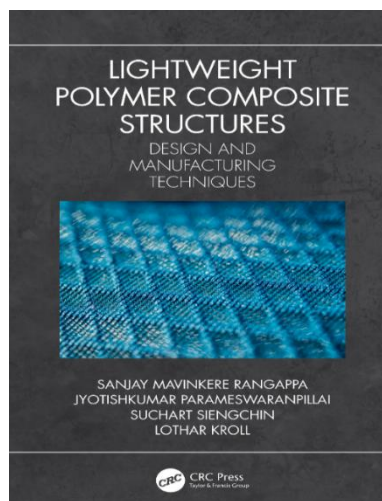
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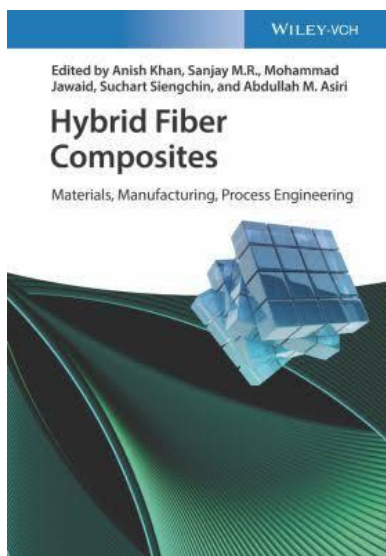
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10. J Praveenkumara, P. Madhu, **Sanjay M R**, Suchart Siengchin, **“A brief review on natural fibers and its composites: Latest developments”** International Conference on Sugar Palm and Allied Fibre Polymer Composites (SAPC2021)” organized by Persatuan Pembangunan dan Industri Enau Malaysia (PPIEM), **Malaysia** on 11/12/2021.
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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.
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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 Yogesha, **“Study on Tensile Property Evaluation of Jute – Glass fiber reinforced Polyester”** National conference on 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 – **02**
- University of Johannesburg, South Africa – **02**
- Indian Institute of Technology Roorkee, India – **02**
- University of Pretoria, Hatfield, South Africa – **02**
- 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, Malaysia - **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 Lightweight and 3D Printing Applications	August 2019	Degree Awarded in November 2022
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 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 Sustainable Fibers and Polymeric Materials (SFPM’24)**’ on 25th October 2024, Sponsored by National Science,

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



- **International Advisory Committee Member** for “Advancements 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 22-23 August, 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), Sponsored 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, Sponsored by National Science, Research and Innovation Fund (NSRF), King Mongkut’s University of Technology North Bangkok, Thailand (KMUTNB), Thailand.

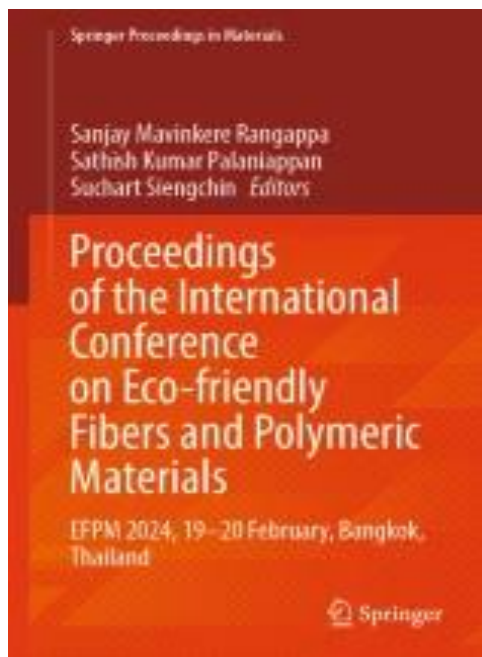
Proceedings of the International Conference on Eco-friendly Fibers and Polymeric Materials

<https://link.springer.com/book/10.1007/978-981-97-7071-7>

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.

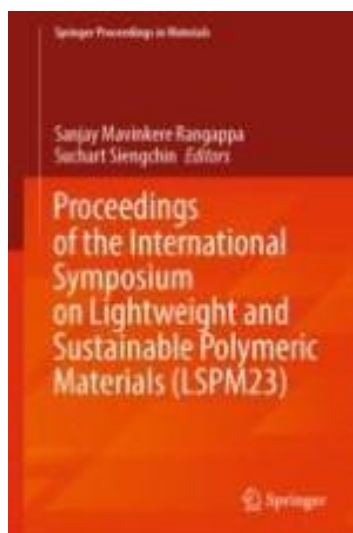
<https://www.springerprofessional.de/en/proceedings-of-the-international-symposium-on-lightweight-and-su/26153542?tocPage=1>

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

Editors: Sanjay Mavinkere Rangappa, Suchart Siengchin

Publisher: Springer Nature Singapore

Book Series : Springer Proceedings in Materials



- **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 lightweight 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	4,50,000.00 thai bhat

		Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 67-KNOW-27.)	
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)	4,50,000.00 thai bhat

		(Grant No. KMUTNB-63-KNOW-003)	
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	41 st 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 24 th & 25 th , 2013	MCE, Hassan, Karnataka, India
2.	Comprehensive Course on Solar PV System Design, Installation & Troubleshooting	November 18 th to 22 nd , 2013	MCE, Hassan, Karnataka, India
3.	Research Methodology- Concepts and Tools, (REMECOAT-2013)	December 16 th to 20 th , 2013	GCE, Aurangabad, Maharastra
4.	Manufacturing And Applications of Advanced Materials	January 27 th & 28 th , 2014	AIET, Moodbidre, Karnataka, India
5.	Dynamics Analysis of Machines and Structures	January 29 th to 31 st , 2014	NIT, Surathkal, Karnataka
6.	Author Workshop organized by VTU, Belgaum & Springer	February 13 th , 2014	Central College, Bangalore, Karnataka, India

7.	Research Methodologies & Latex	July 8 th to 10 th , 2014	VTU, Belgaum, Karnataka, India
8.	Analytical and Numerical Techniques in Applied Mathematics and Engineering	July 28 th to August 2 nd , 2014	MCE, Hassan, Karnataka, India
9.	Finite Element Analysis Using ANSYS	August 16 th to 18 th , 2014	NIT, Calicut, Kerala, India
10.	Essential Skills for Mechanical Engineers (ESME-2014)	September 1 st to 5 th , 2014	MCE, Hassan, Karnataka, India
11.	Advances in Bio-Lubricants and cutting Fluids	December 8 th to 12 th , 2014	MCE, Hassan, Karnataka, India
12.	Transformation in Engineering Education (ICTIEE-2015)	Jan 6 th to 8 th , 2015	BMSCE, Bangalore, Karnataka, India
13.	Advanced Analytical Characterization of Engineering Materials.	August 26 th to 27 th , 2015	PESIT, Bangalore, Karnataka, India
14.	Materials Microstructure characterization using optical and scanning electron Microscopy	December 20 th to 24 th , 2015	IIT Hyderabad, Telangana, India
15.	Mathematical Modelling and Simulation for Researchers, Engineers and Scientists (MMSFRES)	July 11 th to 15 th , 2016	SVNIT, Surat, Gujarat, India
16.	Technology Involved in Rapid Prototyping and Reverse Engineering	February 20 th , 2017	MCE, Hassan, Karnataka, India
17.	Emerging Trends in Materials and Manufacturing Technology	February 27 th to March 3 rd , 2017	MCE, Hassan, Karnataka, India
18.	Microwave Processing of Materials	March 17 th & 18 th , 2017	MCE, Hassan, Karnataka

19.	Advances in Tribology and Surface Engineering	March 20 th & 21 st , 2017	MCE, Hassan, Karnataka, India
20.	Slurry Erosion Effects and its Mitigation in Hydraulic Turbines	March 23 rd & 24 th , 2017	MCE, Hassan, Karnataka, India
21.	Design and Analysis of AIRBUS 350-900 XWB and CFD Applications	March 24 th to 26 th , 2017	MCE, Hassan, Karnataka, India
22.	Recent Trends in Solar Energy Applications	March 27 th & 28 th , 2017	MCE, Hassan, Karnataka, India
23.	Cating Defect Clinic	November 23 rd , 2017	RIT, Bangalore, India
24.	Advanced Materials & Manufacturing Technology (AM&MT)	December 4 th to 16 th , 2018	RIT, Bangalore, India
25.	CACM international webinar series on composites research, technology and innovation talk	8th March 2022	Universiti Teknologi Malaysia, Malaysia

For future 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 information is 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 Srinakharinwirot University
Ranked 15th in Thailand & 2,644th in the World
[1st in Thailand by Polymers field]



Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
Office of the President
Ranked 11th in Thailand & 10,808th in the World
[2nd in Thailand by Polymers field]

CONGRATULATIONS TO **KMUTNB** RESEARCHERS

World's Top 2% Scientists 2024
by Stanford University

Career-long
Citation Impact 2024



Prof. Dr. -Ing. habil. Suchart Siengchin
The Srinakharinwirot University
Ranked 15th in Thailand & 2,644th in the World
[1st in Thailand by Polymers field]



Prof. Dr. Phatiphat Thounthong
Faculty of Technical Education
Ranked 30th in Thailand & 7,820th in the World
[1st in Thailand by Electrical & Electronic Engineering field]



Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
Office of the President
Ranked 11th in Thailand & 10,808th in the World
[2nd in Thailand by Polymers field]



Prof. Dr. Piti Sukontasakul
Faculty of Engineering
Ranked 11th in Thailand & 10,200th in the World
[3rd in Thailand by Building & Construction field]



Assoc. Prof. Dr. Montree Siriruchyanun
Faculty of Technical Education
Ranked 2nd in Thailand & 3,020th in the World
[5th in Thailand by Networking & Telecommunications field]

Source: <https://doi.org/10.1023/b:tech.2024.7> based on the AUG 1, 2024 snapshot from Scopus

ST'RI

CONGRATULATIONS TO **KMUTNB** RESEARCHERS

World's Top 1% Scientists 2023
by Stanford University

Single Year
Citation Impact 2023

**Ranked 10th in Thailand
13,397th in the World**
[2nd in Thailand by Polymers field]

Assoc. Prof. Dr. Sanjay M. Rangappa
Office of the President



Source: <https://doi.org/10.1023/b:tech.2024.6>

ST'RI

CONGRATULATIONS TO **KMUTNB** RESEARCHERS

World's Top 2% Scientists 2023
by Stanford University

Career-long
Citation Impact 2023



Prof. Dr. Phatiphat Thounthong
Faculty of Technical Education
Ranked 40th in Thailand & 90,887th in the World
[1st in Thailand by Electrical & Electronic Engineering field]



Prof. Dr. -Ing. habil. Suchart Siengchin
The Srinakharinwirot University
Ranked 60th in Thailand & 124,950th in the World
[3rd in Thailand by Polymers field]



Prof. Dr. Piti Sukontasakul
Faculty of Engineering
Ranked 133th in Thailand & 518,258th in the World
[2nd in Thailand by Building & Construction field]



Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
Office of the President
Ranked 145th in Thailand & 248,261st in the World
[7th in Thailand by Polymers field]



Prof. Dr. Suwat Kuntanapreeda
Faculty of Engineering
Ranked 154th in Thailand & 328,361st in the World
[7th in Thailand by Artificial Intelligence & Image Processing field]



Assoc. Prof. Dr. Montree Siriruchyanun
Faculty of Technical Education
Ranked 180th in Thailand & 334,816th in the World
[3rd in Thailand by Networking & Telecommunications field]

Source: <https://doi.org/10.1023/b:tech.2024.7>

ST'RI

CONGRATULATIONS TO **KMUTNB** RESEARCHERS

World's Top 2% Scientists 2023
by Stanford University

Single Year
Citation Impact 2023



Prof. Dr. -Ing. habil. Suchart Siengchin
The Srinakharinwirot University
Ranked 9th in Thailand & 13,229th in the World
[1st in Thailand by Polymers field]



Assoc. Prof. Dr. Sanjay M. Rangappa
Office of the President
Ranked 10th in Thailand & 13,397th in the World
[2nd in Thailand by Polymers field]



Prof. Dr. Phatiphat Thounthong
Faculty of Technical Education
Ranked 30th in Thailand & 42,816th in the World
[1st in Thailand by Electrical & Electronic Engineering field]



World's Top 2% Scientists 2020

by Stanford University

Single Year Citation Impact 2020



Dr. Sanjay Mavinikere Rangappa
สำนักวิชาโพลิเมอร์ (Polymers)



ศ.ดร.สุชาติ เขี่ยยงธิน
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คณะวิทยาศาสตร์และเทคโนโลยี (Electrical & Electronic Engineering)



ศ.ดร.ปิติ สุขนอสูงกุล
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Dr. Jyotish Kumar Parameswaraswamy
สำนักวิชาโพลิเมอร์ (Polymers)

STRI Science and Technology
Research Institute



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ที่มีศักยภาพในระดับประเทศและระดับโลก
AD Scientific Index 2022



รศ.ดร.ชาบอง บารันเทร รังคิณี
สำนักวิชาโพลิเมอร์



ศ.ดร.ปฏิพัทธ์ กอนทอง
คณะวิทยาศาสตร์และเทคโนโลยี



ศ.ดร.เจษฎา อารีสุข
คณะวิทยาศาสตร์และเทคโนโลยี



นศ.ดร.ธิดา อัครรุ่งนรินทร์
TGGS



รศ.ดร.มนตรี คิมมิลยานันท์
คณะวิทยาศาสตร์และเทคโนโลยี



ศ.ดร.ฉันทพร นาคกรกุล
คณะวิศวกรรมศาสตร์



ศ.ดร.ปิติ สุขนอสูงกุล
คณะวิศวกรรมศาสตร์



ศ.ดร.พิทยา ดั่งสว่าง
คณะวิศวกรรมศาสตร์



รศ.ดร.มาลี ศรีธัญย์นรินทร์
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ศ.ดร.ประยุทธ อัครมงคลนรินทร์
คณะวิศวกรรมศาสตร์

STRI สำนักวิชาวิทยาศาสตร์และเทคโนโลยี

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