

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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- **Visiting Professor**, Universiti Malaysia Terengganu (UMT), Malaysia, (2025-2027).
- **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**) 2025’ (**Top 5th Rank in Thailand and Top 2nd Rank** Under Both Materials and Polymers Categories in Thailand)
- ‘Recipient of “**Outstanding Reviewer 2024 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 Career and Single Year Citation Impact (**World’s Top 1% of the Most-Cited Scientists**) 2024’ (**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**) 2023’ (**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 2022’ (**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 2021’ (**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 2020 (**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:

- **Funding Project Evaluator** for Dutch Research Council (NWO), The Netherlands.
- **Funding Project Evaluator** for Linz Institute of Technology, is an initiative supported by the Austrian Federal Ministry of Education, Science and Research, the State of Upper Austria and JOHANNES KEPLER UNIVERSITY LINZ, Austria.
- **Evaluator for promotion** to the rank of Associate Professor, University of Jeddah at Saudi Arabia.
- **Visiting Member**, BYD Company Limited, Shenzhen, China, April 21-25, 2024.

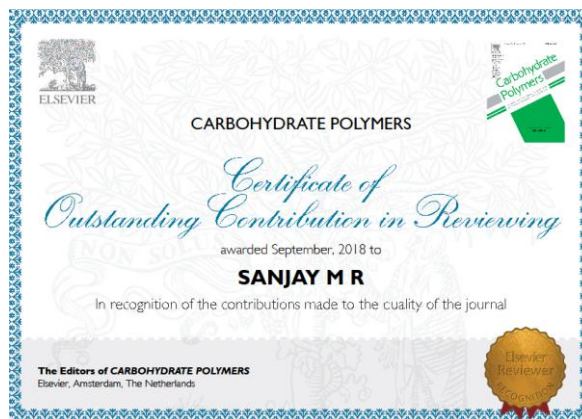
- Top 10 Cited SPE Journal Author 2021-2022 from SPE-Inspiring Plastics Professionals, Wiley.
- Received a Top Peer Reviewer 2019 award, Global Peer Review Awards, Powered by Publons, Web of Science Group.



- **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:

- **Resource Person** for “Five Day FACULTY DEVELOPMENT PROGRAM (Hybrid Mode) on SMART COMPOSITE MATERIALS: TECHNOLOGIES AND APPLICATIONS (SCMTA-2025)” organized by Sant Longowal Institute of Engineering and Technology, **India** on 22 - 26 December, 2025.
- **Keynote Speaker** and **Session Chair** for “International Conference on Surface Engineering of Sustainable and Bio-Materials (ICSESBM 2025)” organized by Indian Institute of Technology Madras (IIT Madras), **India** on 9 - 11 December 2025.
- **Keynote Speaker** for “4th International Conference on Applied Research and Engineering (ICARAE2025)” organized by University of South Africa, **South Africa** on 21 - 23 November 2025.
- Delivered **expert talk** on “Natural Bio-Composites by Additive Manufacturing” in faculty development program on “**Advanced Manufacturing for INDUSTRY 4.0: Integrating Additive Technologies and Sustainable Practices**” Sponsored by AICTE Training & Learning (ATAL) Academy at United College of Engineering & Research, Prayagraj, **India** from 17 to 22 November 2025, as a resource person on 17 November 2025.
- Delivered **expert talk** for “BASF Innovation Lecture Series (IC Lecture)” organized by Network for Asian Open Innovation (NAO) and BASF Advanced Chemicals Co., Ltd. on 13 November 2025.
- Delivered **expert talk** at Coaching on Writing Scientific Articles as Research Outputs for Reputable Journals held on November 12, 2025, organized by the Journal Publishing Office, Faculty of Engineering, Universitas Brawijaya, Malang, East Java, **Indonesia**.
- **Keynote Speaker** for “The 4th International Conference on Mechanical Engineering Research and Applications (iCOMERA-2025)” organized by Brawijaya University, Malang, **Indonesia** on 1-3 October 2025.
- **Invited Speaker** for “2nd Composite Science and Technology International Conference -SUSTAINABLE AND DIGITALIZED ADVANCED COMPOSITE SOLUTIONS

TO GLOBAL CHALLENGES”, University of Technology Malaysia, **Malaysia** on 24 - 25th September 2025.

- Delivered **expert talk** on “Sustainable Natural Fiber Composites for Engineering Applications” in faculty development program on “**Advanced Trends in Aerospace Engineering: Quality, Smart Materials, Sustainable Avionics, and Additive Manufacturing**” Sponsored by AICTE Training & Learning (ATAL) Academy at AMS Engineering College, Bengaluru, **India** from to 18-23 August 2025, as a resource person on 21 August 2025.
- **Distinguished speaker** to the 2nd Joint workshop on Advanced Materials organized jointly by King Mongkut's University of Technology North Bangkok (Thailand), National University of Singapore (Singapore), Tsinghua University (China) and Queensland University of Technology (Australia), **Thailand**, on 07 August 2025.
- **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 (ISRDR). London Press, United Kingdom.
- **Member**, 887261912798 (2017) International Association of Advanced Materials (IAMM), Sweden.
- **Member**, 7170111750 (2017) SAE INDIA.

Editorial Board Member for Journals:

- **Executive Editor** for Book Cluster of “Fiber Science and Fibrous Composite Materials”, Elsevier.
- 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, Springer. (<https://link.springer.com/journal/44347/editors>)
- Editor for Applied Science and Engineering Progress (<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/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:

- “Polymer-based Sustainable Eco-Friendly Materials” SPRINGER. Discover Polymers.
<https://link.springer.com/collections/iejcaechje>
- “Biodegradable Polymers for Engineering Applications” ELSEVIER, Advanced Industrial and Engineering Polymer Research (Indexed by SCI, Scopus) (Completed).
<https://www.sciencedirect.com/journal/advanced-industrial-and-engineering-polymer-research/vol/6/issue/4>
- "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>
- “Towards Sustainable and Ecofriendly Materials” 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>
- “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. Progress in Materials Science	Elsevier
3. Alexandria Engineering Journal	
4. Advanced Nanocomposites	
5. Applied Materials Today	
6. Bioresource Technology	
7. Bioresource Technology Reports	
8. Biocatalysis and Agricultural Biotechnology	
9. Biomass and Bioenergy	
10. Composites Science and Technology	
11. Composites Part A: Applied Science and Manufacturing	
12. Composites Part B: Engineering	
13. Composites Part C	
14. Carbon Trends	
15. Carbohydrate Polymers	
16. Composite Structures	
17. Chemical Engineering Journal	
18. Chemosphere	
19. Current Research in Environmental Sustainability	
20. Cleaner and Circular Bioeconomy	
21. Case Studies in Construction Materials	
22. Defence Technology	
23. Developments in the Built Environment	
24. Energy Nexus	

25. Energy & Buildings	
26. Engineering Fracture Mechanics	
27. Environmental Nanotechnology, Monitoring & Management	
28. Environmental Technology & Innovation	
29. Food Chemistry	
30. Global Ecology and Conservation	
31. Inorganic Chemistry Communications	
32. International Journal of Biological Macromolecules	
33. International Journal of Lightweight Materials and Manufacture	
34. Journal of Engineering Research	
35. Journal of Cleaner Production	
36. Journal of Building Engineering	
37. Journal of the Indian Chemical Society	
38. Journal of Non-Crystalline Solids	
39. Journal of Molecular Structure	
40. Journal of Environmental Chemical Engineering	
41. Polymer Testing	
42. Polymer	
43. Plant Physiology and Biochemistry	
44. Waste Management	
45. Composite Communications	
46. Data in Brief	
47. Journal of Materials Research and Technology	
48. Engineering Science and Technology, an International Journal	
49. Polymer Degradation and Stability	
50. Progress in Organic Coatings	
51. Industrial Crops and Products	
52. Food Research International	
53. Heliyon	
54. Hybrid Advances	
55. Thermal Advances	
56. Vacuum	
57. Results in Engineering	
58. Results in Surfaces and Interfaces	
59. Results in Chemistry	

60. Diamond and Related Materials	
61. Materials Today Communications	
62. Materials Today Sustainability	
63. Materials Chemistry and Physics	
64. Materials Letter	
65. Measurement	
66. Next Materials	
67. Nano Materials Science	
68. Chemical Engineering Science	
69. Advanced Industrial and Engineering Polymer Research	
70. Journal of King Saud University	
71. International Journal of Mechanical Sciences	
72. Journal of the Saudi Society of Agricultural Sciences	
73. Journal of Hazardous Materials	
74. Journal of Environmental Management	
75. Journal of Molecular Liquids	
76. Nano-Structures & Nano-Objects	
77. Next Research	
78. European Polymer Journal	
79. Science African	
80. Smart Materials in Manufacturing	
81. Sustainable Materials and Technologies	
82. Sustainable Chemistry and Pharmacy	
83. Structures	
84. Sustainable Chemistry One World	
85. Sustainable Chemistry for Climate Action	
86. Sustainable Chemistry for the Environment	
87. Trends in Food Science & Technology	
88. Thermal Advances	
89. Thin-Walled Structures	
90. Cleaner and Responsible Consumption	
91. Journal of King Saud University - Science	
92. Journal of Colloid and Interface Science Open (JCIS Open)	
93. Materials Today: Proceedings	
94. Advanced Composites and Hybrid Materials	
95. International Journal of Mechanics and Materials in Design	Springer

96. Innovative Infrastructure Solutions	
97. Polymer Bulletin	
98. Journal of Material Cycles and Waste Management (JMCW)	
99. Journal of Bio- and Tribo-Corrosion	
100. Journal of Mechanical Science and Technology	
101. Journal of Materials Engineering and Performance	
102. International Journal of Precision Engineering and Manufacturing	
103. Journal of Materials Science: Materials in Electronics	
104. International Journal of Adhesion and Adhesives	
105. Journal of Vibration Engineering & Technologies	
106. Discover Applied Sciences	
107. Journal of Inorganic and Organometallic Polymers and Materials	
108. Optical and Quantum Electronics	
109. Waste and Biomass Valorization (WAVE)	
110. Arabian Journal for Science and Engineering	
111. BioEnergy Research	
112. Journal of the Australian Ceramic Society	
113. Environmental Sustainability	
114. Environmental Chemistry Letters	
115. European Journal of Wood and Wood Products	
116. Journal of Polymers and the Environment	
117. Journal of Materials Science	
118. Mining, Metallurgy & Exploration	
119. Fibers and Polymers	
120. Circular Economy and Sustainability	
121. The International Journal of Advanced Manufacturing Technology	
122. Chemical Papers	
123. Colloid and Polymer Science	
124. Clean Technologies and Environmental Policy	
125. Journal of Zhejiang University-SCIENCE A	
126. Discover Mechanical Engineering	
127. High Temperature Corrosion of Materials	
128. Biotechnology for Sustainable Materials	
129. Chemistry Africa	

132. Iranian Journal of Science and Technology, Transactions A: Science		
133. Journal of Polymer Research		
134. Biomass Conversion and Biorefinery		
135. Cellulose		
136. Iranian Polymer Journal		
137. International Journal of Industrial Chemistry		
138. Chemical Research in Chinese Universities		
139. SN Applied Sciences (SNAS)		
140. Mechanics of Composite Materials (MKM)		
141. Materials Circular Economy		
142. Multiscale and Multidisciplinary Modeling, Experiments and Design		
143. Applied Composite Materials (ACMA)		
144. Emergent Materials (EMMA)		
145. Silicon (SCON)		
146. Journal of The Institution of Engineers (India): Series D		
147. Iranian Journal of Science and Technology Transactions of Civil Engineering		
148. Archives of Computational Methods in Engineering		SAGE Publications
149. Journal of Industrial Textiles (JIT)		
150. Journal of Composite Materials (JCM)		
151. Journal of Thermoplastic Composite Materials (JTCM)		
152. Journal of Engineered Fibers and Fabrics		
153. Journal of Bioactive and Compatible Polymers		
154. Polymers and Polymer Composites (PPC)		
155. Progress in Rubber Plastics and Recycling Technology		
156. Waste Management & Research: The Journal for a Sustainable Circular Economy		
157. Journal of Reinforced Plastics and Composites (JRPC)		
158. Journal of Elastomers and Plastics		
159. Plastics, Rubber and Composites		
160. Advances in Mechanical Engineering		
161. Composites and Advanced Materials		
162. Journal of Cellular Plastics (JCP)		
163. Part B: Journal of Engineering Manufacture		
164. Polymers from Renewable Resources		
165. Part C: Journal of Mechanical Engineering Science		

166. Part E: Journal of Process Mechanical Engineering	
167. Proceedings of the Institution for Mechanical Engineers, Part N	
168. Part G: Journal of Aerospace Engineering	
170. Waste Management & Research: The Journal for a Sustainable Circular Economy	
171. Materials Science and Technology	
172. Science Progress	
173. Textile Research Journal (TRJ)	
174. Journal of Natural Fibers (JNF)	Taylor & Francis Group
175. Cogent Engineering	
176. Composite Interfaces	
177. Biocatalysis and Biotransformation	
178. European Journal of Materials	
179. Environmental Technology	
180. Essential Chem	
181. Advances in Materials and Processing Technologies	
182. Tribology - Materials, Surfaces & Interfaces	
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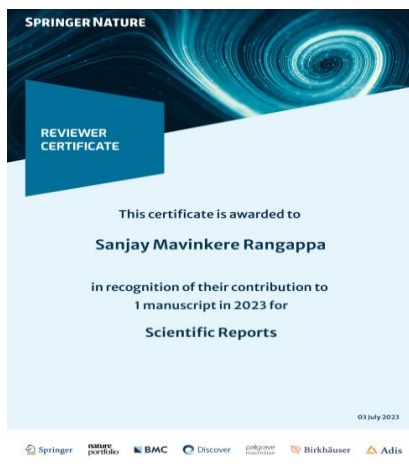
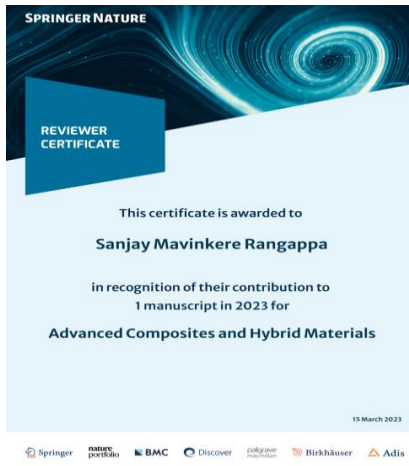
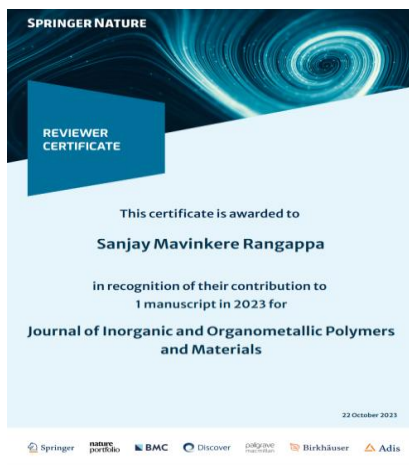
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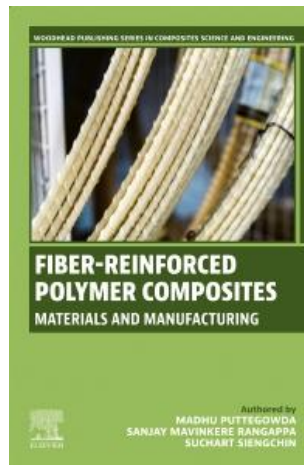
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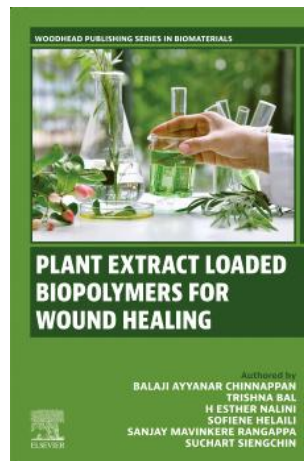
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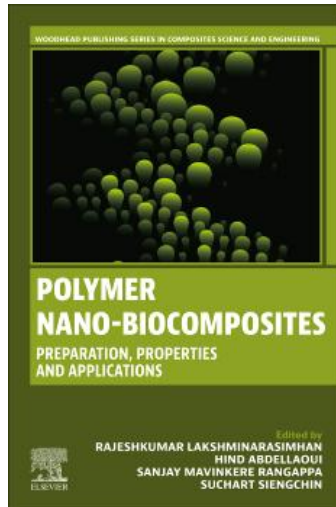
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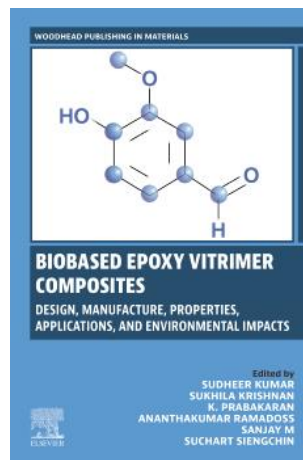
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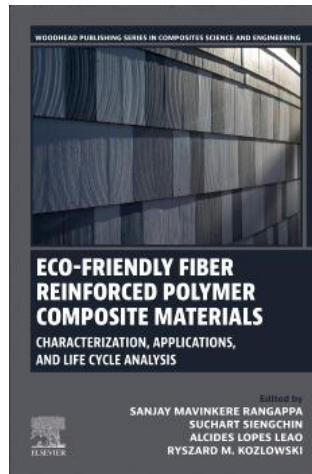


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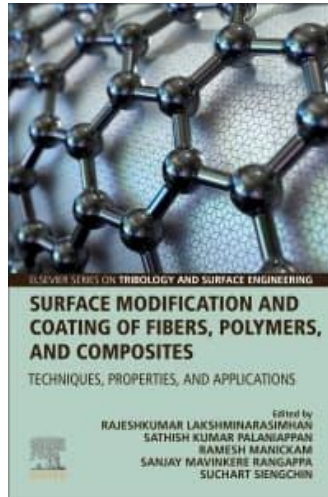


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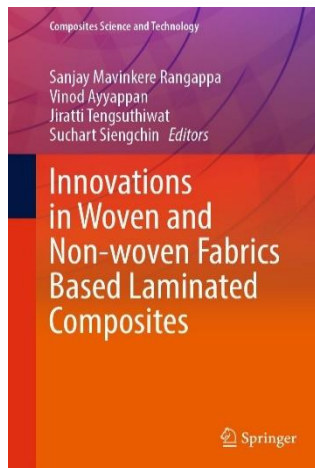


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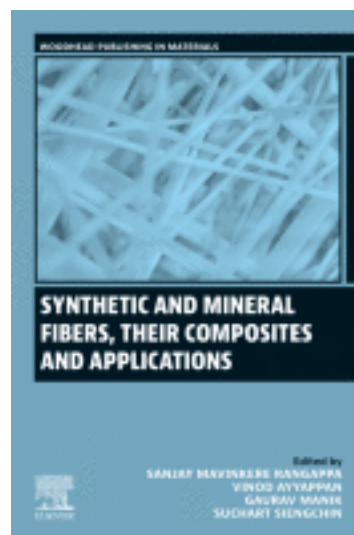
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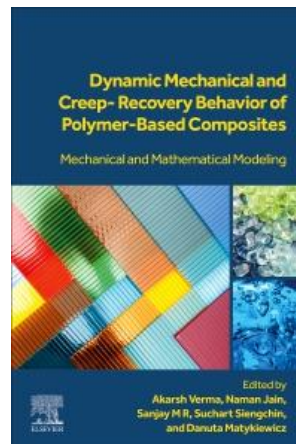
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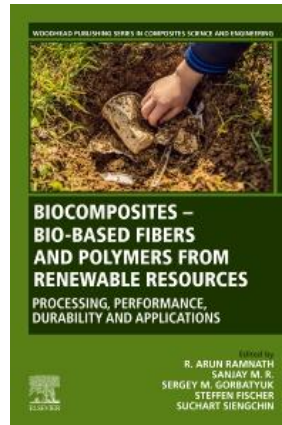
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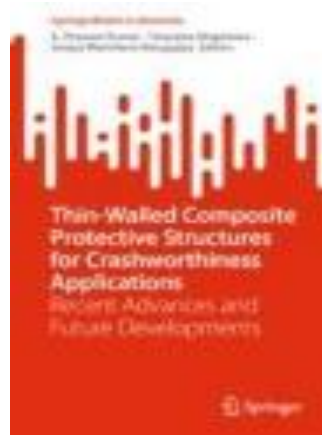
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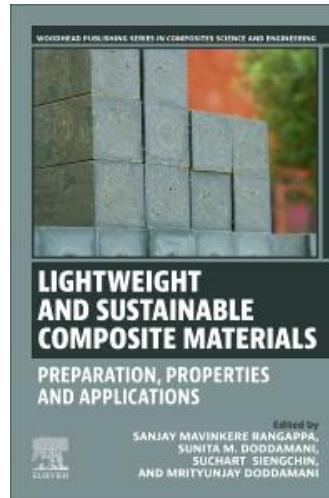
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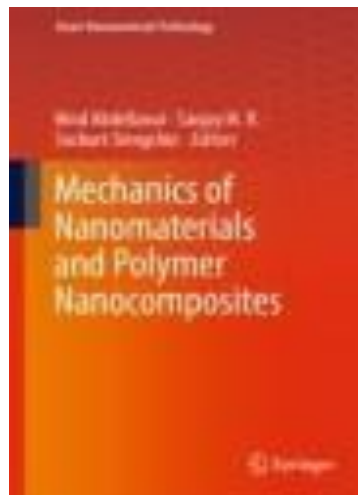
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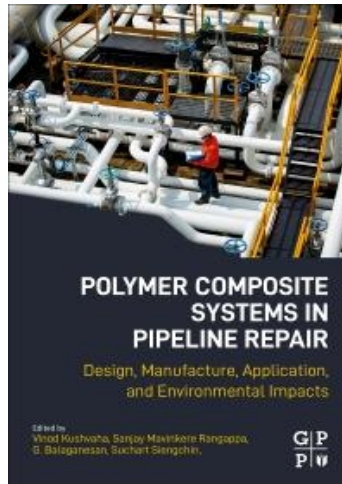


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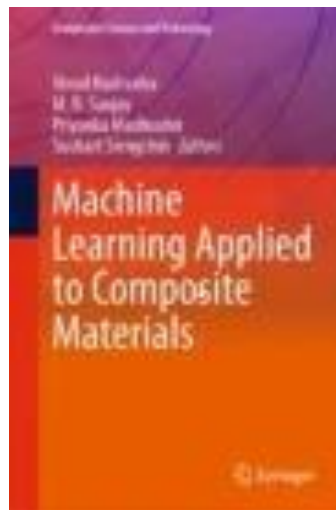
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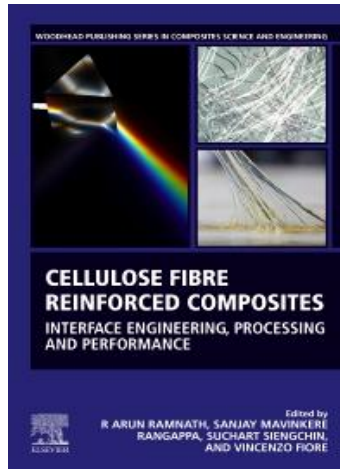
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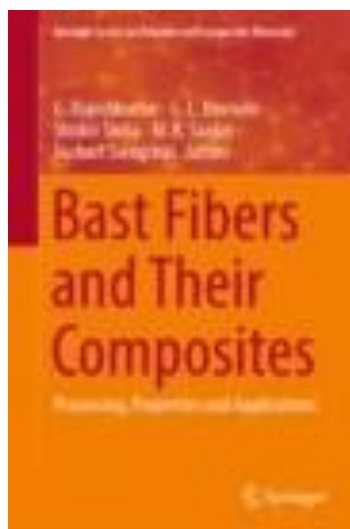
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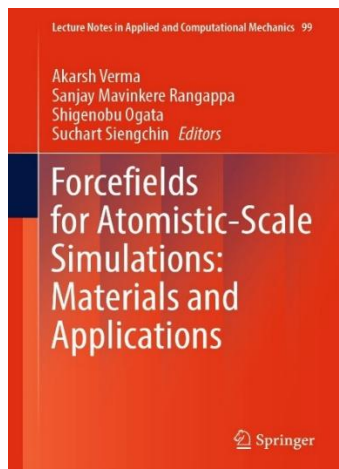
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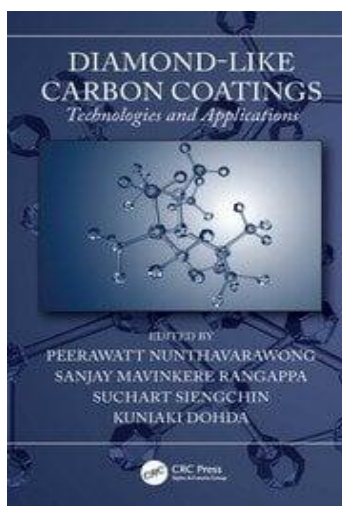
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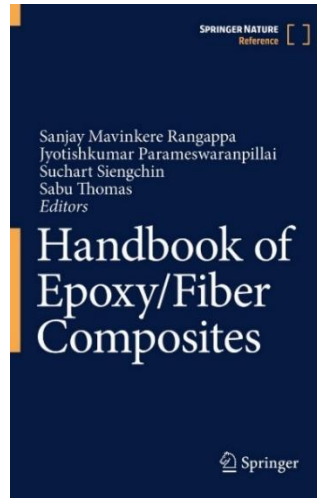
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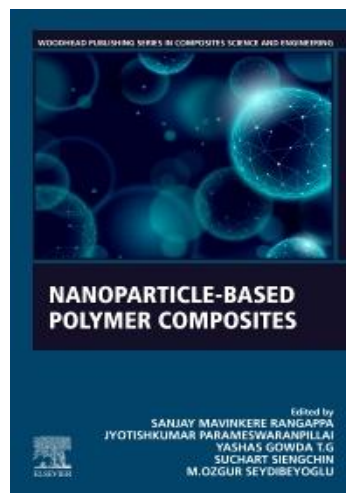


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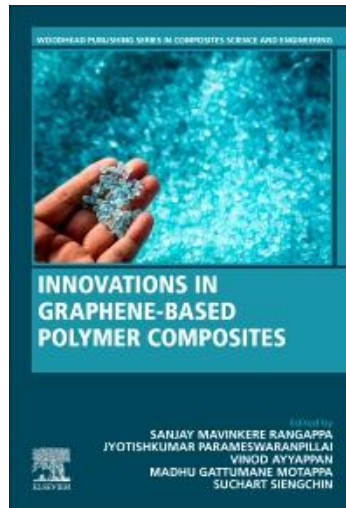
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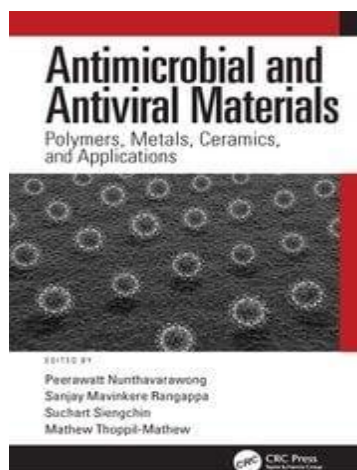
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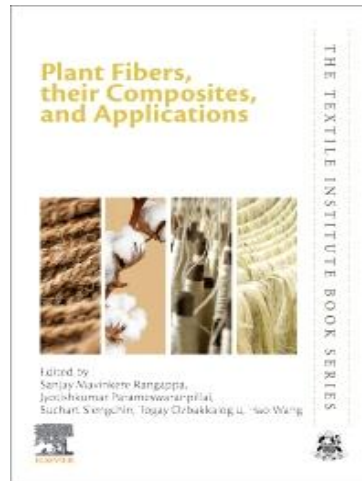


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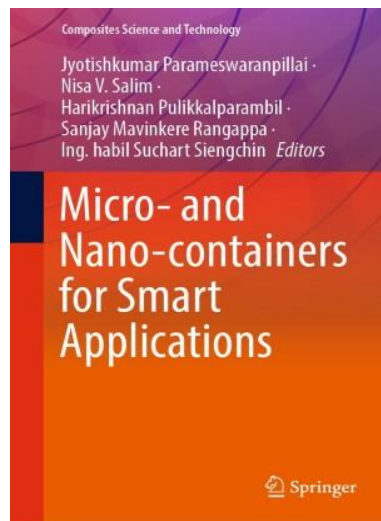
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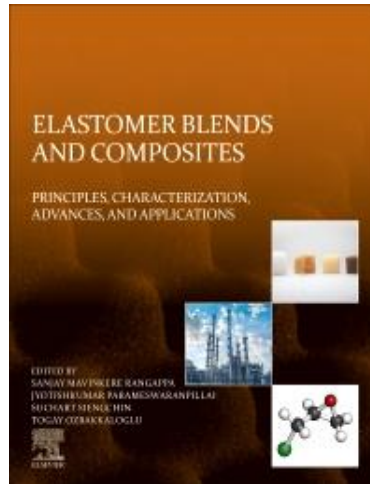
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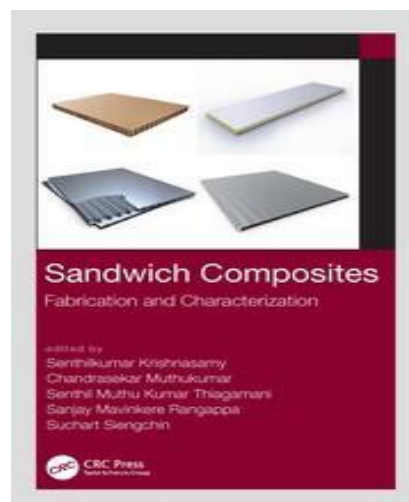
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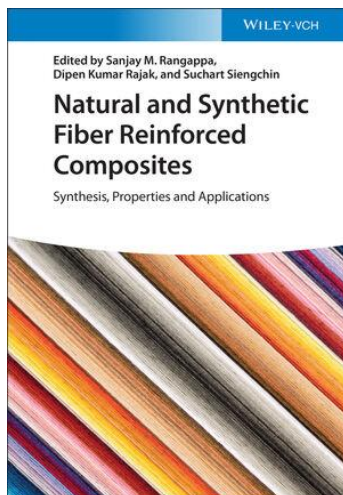
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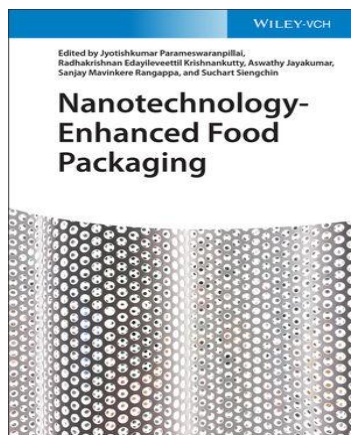


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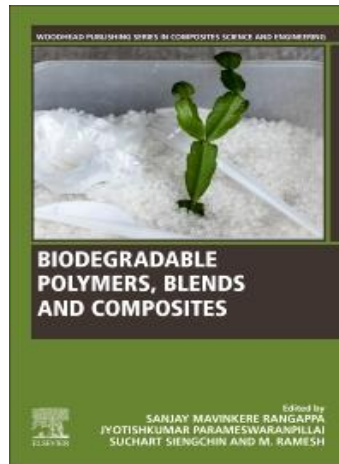


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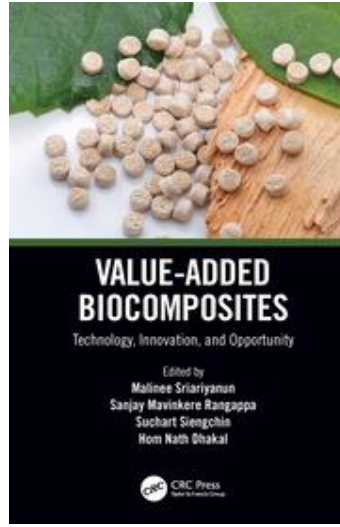
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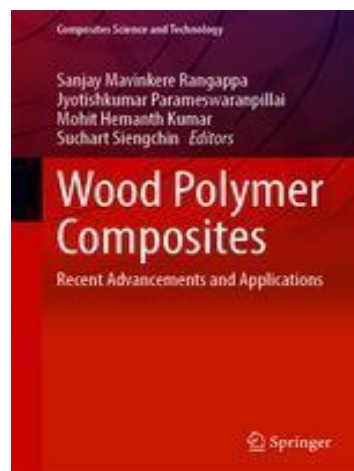
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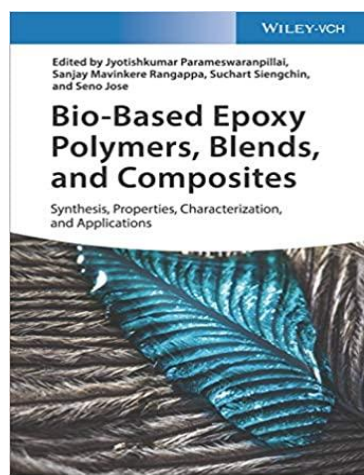
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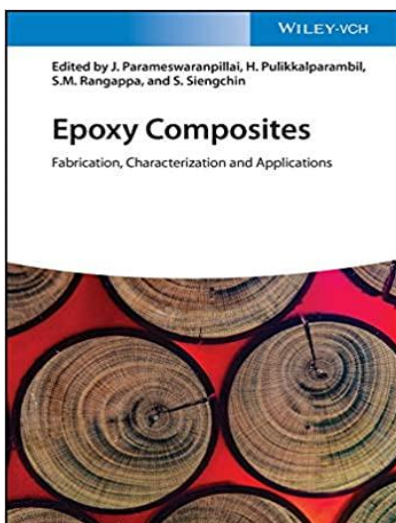
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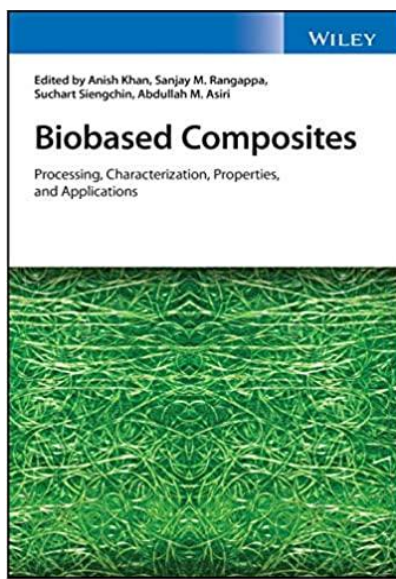
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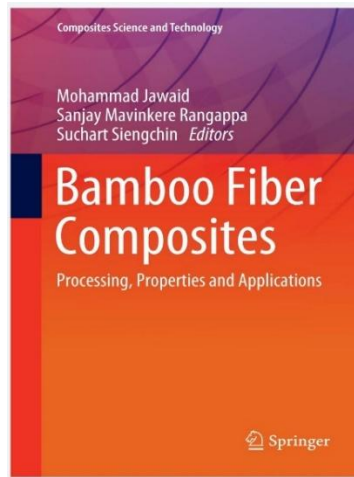
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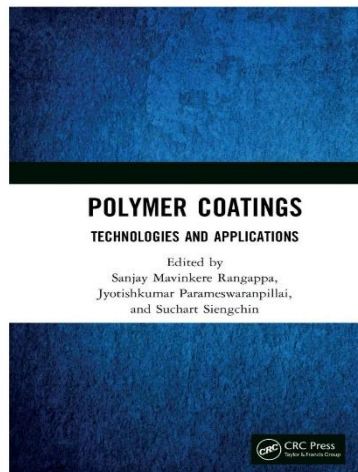
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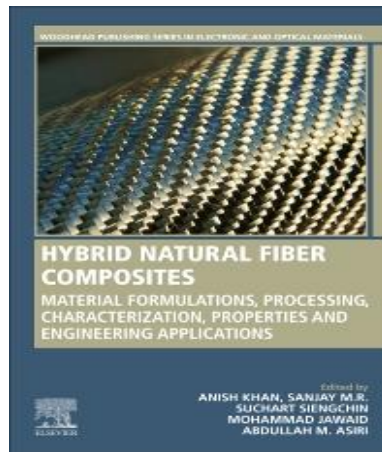
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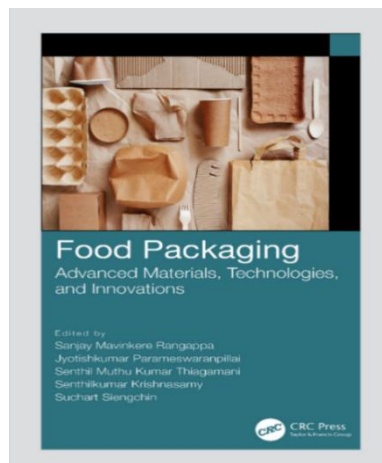
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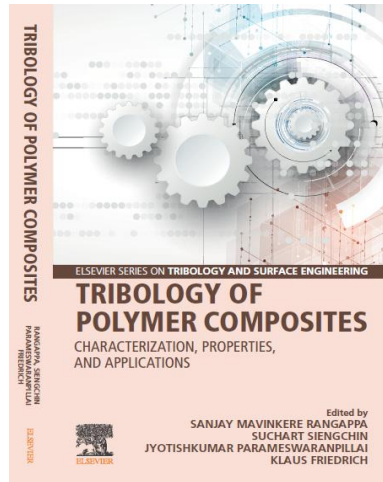
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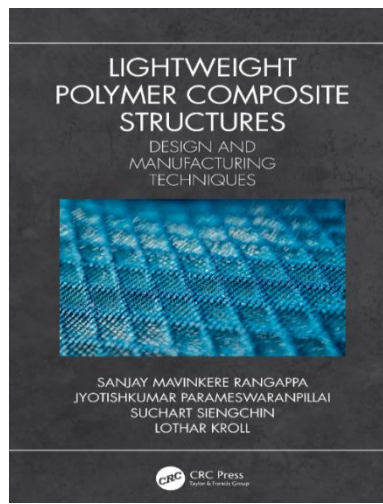
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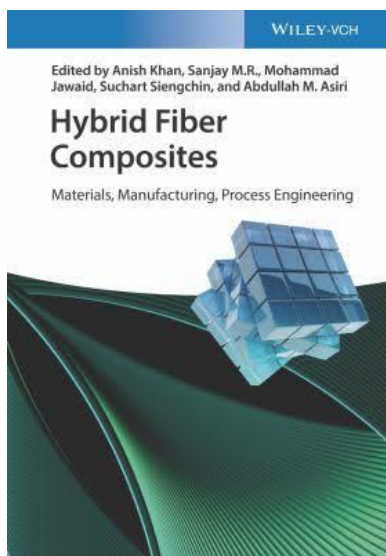
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6. Aditya Kataria, Akarsh Verma, **Sanjay M R**, Suchart Siengchin, “**Molecular modeling of 2D graphene grain boundaries: Mechanical and fracture aspects**” ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.10.416](https://doi.org/10.1016/j.matpr.2021.10.416) (Scopus Indexed)
7. K N Bharath, D Roopa, S.Indran, S Basavarajappa, **Sanjay M R**, Suchart Siengchin, “**Influence of the stacking sequence and coconut husk micro fillers on the drilling parameters of coconut leaf sheath/glass/jute fiber hybrid phenol formaldehyde composites**” ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.10.422](https://doi.org/10.1016/j.matpr.2021.10.422) (Scopus Indexed)
8. S S Vinay, **Sanjay M R**, Suchart Siengchin, C V Venkatesh, “**Basalt fiber reinforced polymer composites filled with nano fillers: A short review**” ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.10.430](https://doi.org/10.1016/j.matpr.2021.10.430) (Scopus Indexed)
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](https://doi.org/10.1016/j.matpr.2021.10.433) (Scopus Indexed)
10. Devita Amelia, Eva Fathul Karamah, Melbi Mahardika, Edi Syafri, **Sanjay M R**, Suchart Siengchin, Mochammad Asrofi, “**Effect of advanced oxidation process for chemical**

structure changes of polyethylene microplastics” ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.10.438](https://doi.org/10.1016/j.matpr.2021.10.438) (Scopus Indexed)

11. G Rajeshkumar, **Sanjay M R**, Suchart Siengchin, V Hariharan, “**Influence of sodium bicarbonate treatment on the free vibration characteristics of *Phoenix* sp. fiber loaded polyester composites”** ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.10.414](https://doi.org/10.1016/j.matpr.2021.10.414) (Scopus Indexed)
12. O P Oladijo, **Sanjay M R**, L L Collieus, Suchart Siengchin, L Moloisane, S S Oladijo, “**Effects of deposition time and RF power on the film characteristics of magnetron sputtered silicon carbide thin films”** ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.10.423](https://doi.org/10.1016/j.matpr.2021.10.423) (Scopus Indexed)
13. S N Vasantha Kumar, Govardhan Goud, **Sanjay M R**, Suchart Siengchin, “**Limonia Acidissima (wood-apple) shell: Micro and nanoparticles preparation and chemical treatment”** ELSEVIER, Materials Today: P, 2021. [doi.org/ 10.1016/j.matpr.2021.12.049](https://doi.org/10.1016/j.matpr.2021.12.049) (Scopus Indexed)
14. Melbi Mahardika, Mochammad Asrofi, Devita Amelia, Edi Syafri, **Sanjay M R**, Suchart Siengchin, “**Tensile Strength and Moisture Resistance Properties of Biocomposite Films Based on Polyvinyl Alcohol (PVA) with Cellulose as Reinforcement from Durian Peel Fibers”** E3S Web of Conferences, 2021. [doi.org/ 10.1051/e3sconf/202130202001](https://doi.org/10.1051/e3sconf/202130202001) (Scopus Indexed)
15. P Madhu, K N Bharath, **Sanjay M R**, G R Arpitha, D Saravanabavan, “**Effect of nano fillers on glass/silk fibers based reinforced polymer composites”** ELSEVIER, Materials Today: P, 2020. doi.org/10.1016/j.matpr.2021.05.383 (Scopus Indexed)
16. P Madhu, **S Pradeep**, Sanjay M R, Suchart Siengchin, “**Characterization of raw and alkali treated prosopis juliflora fibers for potential polymer composite**

reinforcement” IOP Conference Series: Materials Science and Engineering, 653 (2019) 012016. [doi:10.1088/1757-899X/653/1/012016](https://doi.org/10.1088/1757-899X/653/1/012016) (Scopus Indexed)

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)

18. **Sanjay M R**, G R Arpitha, B Yogesha, “**Study on Mechanical Properties of Natural - Glass Fibre Reinforced Polymer Hybrid Composites: A Review**” ELSEVIER, Materials Today: P, 2, 4-5, 2015, pp. 2959-2967. [doi:10.1016/j.matpr.2015.07.264](https://doi.org/10.1016/j.matpr.2015.07.264) (Scopus Indexed)

Conferences:

International Conferences

1. **Sanjay M R**, G R Arpitha, Ronak C Gajera, Jayesh M Dhodiya, B Yogesha, "**Selection of Composite Laminates: Based on Topsis Method**" International Conference on Advances in Mechanical Sciences (**ICAMS-2017**), May 3 - 5, 2017 at Malnad College of Engineering, Hassan, Karnataka, India.
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.
11. Vinod Ayyappan, **Sanjay M R**, Suchart Siengchin, “**Physio-chemical and thermomechanical characterization of Raw-Alkali treated fiber reinforced Bio-epoxy composite: An experimental study**” 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.
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 development**" 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 Polyester 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 2017 at 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 – **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 – **04**
- 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 – **02**
- SRM Institute of science and Technology, India – **01**
- Thiruvalluvar University, India – **01**
- Tshwane University of Technology, South Africa – **01**
- Presidency University, India – **01**
- Bharathiar University, India – **02**

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:

- Conference Chair for 'RAM'26 International Conference on Robotics, Automation and Manufacturing' on on 19-20th February 2025, Sposnored by National Science, Research and Innovation Fund (NSRF), King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB), Thailand.



- **Co-Organizer** for “2nd Composite Science and Technology International Conference -SUSTAINABLE AND DIGITALIZED ADVANCED COMPOSITE SOLUTIONS TO GLOBAL CHALLENGES”, University of Technology Malaysia, **Malaysia** on 24 - 25th September 2025.
- **Editor** for “Proceedings of the 4th South East Asia-Japan Conference on Composite Materials SEAJCCM 2024”, August 13–15, Kuala Lumpur, Malaysia.

- **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.

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Prof. Ryszard Kaszowski
Institute of Natural Fibers, Poland

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Dr. Sathish Kumar Palaniappan
Dr. Vinod Ayyappan
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Dr. Leangdeu Techarinwuthom
Dr. Jaattit Tengsathorn
Dr. Kritirash Yorsaeng
Organizing Secretary
Dr. Rapeeporn Sriauk

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

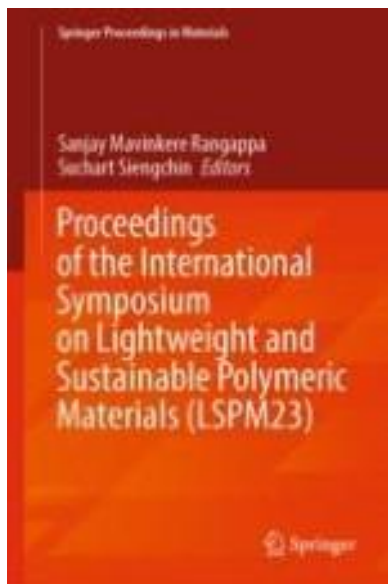
<https://www.springerprofessional.de/en/proceedings-of-the-international-symposium-on-lightweight-and-su/26153542?tocPage=1>

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



LSPM '23 17 February 2023
9:30 AM - 4:30 PM (UTC+7)

International symposium on lightweight and sustainable polymeric materials

Keynote speakers

Prof. Tejas Chakrabarti, Prof. Manuvel Jose, Prof. Sule Thomas, Prof. Manoj Das, Prof. Krishna Murthy

About the symposium

This symposium will bring together experts in the fields of polymer chemistry, physics, and materials science to gain fresh insights and broader perspectives on lightweight materials to forge stronger ties between academia and the industrial world.

Tracks

Lightweight and Sustainable Materials
Manufacturing Technologies for Lightweight Polymeric Materials
Design Optimization of Lightweight Polymeric Materials

Chairs

Honorary Chair: Prof. Dr.-Ing. habil. Suchart Siengchin
Chairman: Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
Vice Chairman: Dr. Indran Suyambulingam
Treasurer(s): Dr. Rapeeporn Srisuk
Asst. Prof. Dr. Laongdaw Techawinyutham
Secretaries: Asst. Prof. Dr. Jirath Tengsuthiwat
Dr. Kristinash Yorsong

Important Dates

Submission of Abstract: 15 December 2022
Notification of acceptance: 20 December 2022
Submission of Full-length article (Draft): 20 January 2023
Submission of camera-ready manuscript: 05 February 2023
Publication of papers

All accepted paper will have FREE REGISTRATION and publication in reputed Scopus indexed journals.

Contact us at lspm23@kmutnb.ac.th

- **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, Sponsored 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 (IET - 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
2025-2026	Effective Utilization of Fillers in Development of Hybrid Polymer Composites for Industrial Applications	National Science, Research and Innovation Fund (NSRF) Grant No. KMUTNB-FF-69-A-04.	47,00,000.00 thai bhat
2025-2026	Sustainable Polymer Composites Reinforced with Fillers Derived from Waste: Towards a Circular Materials Economy	Science and Technology Research Institute, King Mongkut's University of Technology North Bangkok, Thailand (KMUTNB) (Grant No. KMUTNB- 68-KNOW-75.)	4,50,000.00 thai bhat
2024-2025	Utilization of agricultural biomass wastes for production of composites	National Science, Research and Innovation Fund (NSRF) Grant No. KMUTNB-FF-68-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 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	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, Maharashtra
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
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For future details:

Google Scholar: <https://scholar.google.co.th/citations?hl=en&user=aI91CasAAAAJ>

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](https://orcid.org/0000-0001-8745-9532)

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



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Office of the President
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ขอแสดงความยินดี

Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
สำนักงานอธิการบดี

ได้รับรางวัลนักวิจัยยอดเยี่ยมระดับนานาชาติ ประจำปี 2568

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ด้านวิทยาศาสตร์และเทคโนโลยี

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รางวัลนักวิจัยรุ่นใหม่ดีเด่น
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 ศ.ดร.มนตรี ศรีปรีชานันท์ คณาจารย์ประจำภาควิชา อันดับที่ 186 ของไทย และ 18,622 ทั่วโลก (อันดับที่ 2 ในสาขา Networking & Telecommunication ทั่วโลก)	 Assoc. Prof. Dr. Sanjay Mavinkere Rangappa สำนักงานอธิการบดี อันดับที่ 236 ของไทย และ 191,834 ทั่วโลก (อันดับที่ 1 ในสาขา Materials ทั่วโลก)

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 ศ.ดร.สุชาติ เขียงฉิม TGS อันดับที่ 16 ของไทย และ 29,484 ทั่วโลก (อันดับที่ 1 ในสาขา Materials ทั่วโลก)	 Assoc. Prof. Dr. Sanjay Mavinkere Rangappa สำนักงานอธิการบดี อันดับที่ 22 ของไทย และ 32,257 ทั่วโลก (อันดับที่ 2 ในสาขา Materials ทั่วโลก)	 ศ.ดร.ปฎิพัทธ์ ทนทอง คณาจารย์ประจำภาควิชา อันดับที่ 43 ของไทย และ 69,372 ทั่วโลก (อันดับที่ 1 ในสาขา Electrical & Electronic Engineering ทั่วโลก)
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 Dr. Sanjay Mavinkere Rangappa สำนักงานอธิการบดี (Polymers)	 ศ.ดร.สุชาติ เขียงฉิม นักวิจัยภายใน วิทยาศาสตร์และเทคโนโลยีในสาขาโพลีเมอร์ (Polymers)	 ศ.ดร.ปฎิพัทธ์ ทนทอง คณาจารย์ประจำภาควิชา (Electrical & Electronic Engineering)
 ศ.ดร.ปิติ สุของสุกุล คณาจารย์ประจำภาควิชา (Building & Construction)	 Dr. Jyotishkumar Paramewarapillai สำนักงานอธิการบดี (Polymers)	

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AD Scientific Index 2022

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