



Prof. Dr.-Ing. habil. Suchart Siengchin

**Advisor to the President
King Mongkut's University
of Technology North Bangkok
Thailand**

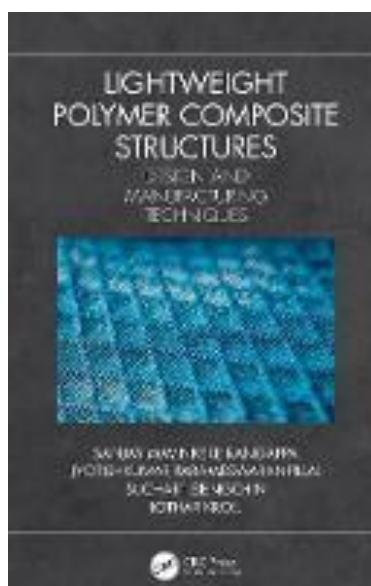
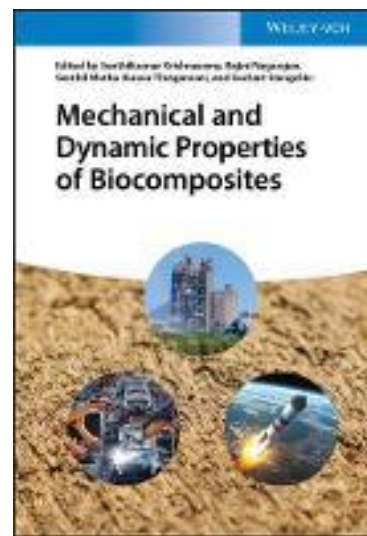
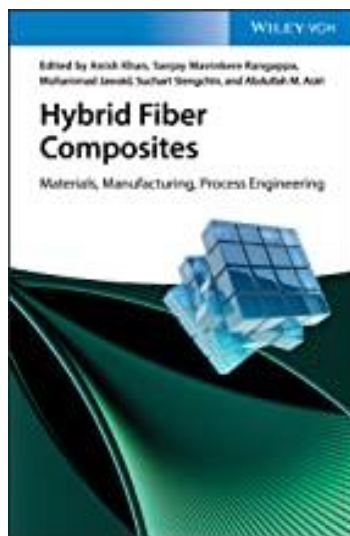
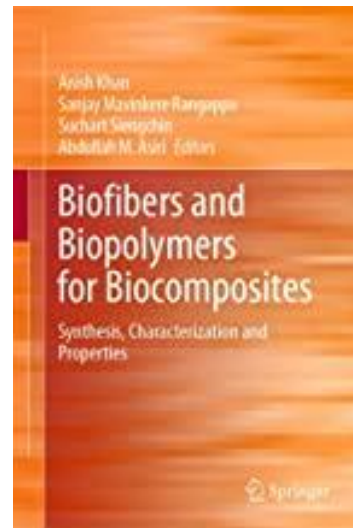
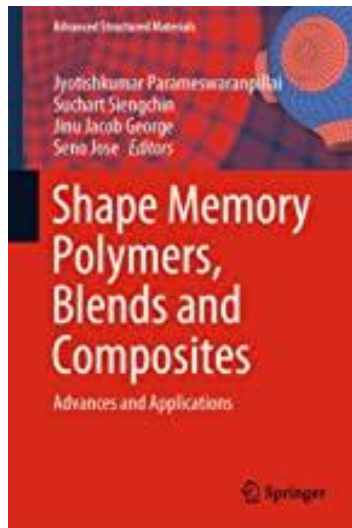
Prof. Dr.-Ing. habil. Suchart Siengchin is Advisor to the President of King Mongkut's University of Technology North Bangkok (KMUTNB), Thailand. He received his Dipl.-Ing. in Mechanical Engineering from University of Applied Sciences Giessen/Friedberg, Hessen, Germany, M.Sc. in Polymer Technology from University of Applied Sciences Aalen, Baden-Wuerttemberg, Germany, M.Sc. in Material Science at the Erlangen-Nürnberg University, Bayern, Germany, Doctor of Philosophy in Engineering (Dr.-Ing.) from Institute for Composite Materials, University of Kaiserslautern, Rheinland-Pfalz, Germany and Postdoctoral Research from School of Materials Engineering, Purdue University, USA. In 2016 he completed the Habilitation (Dr.-Ing. habil.) in Mechanical Engineering from Chemnitz University of Technology, Saxony, Germany and worked as a Lecturer for Mechanical and Process Engineering Department at The Sirindhorn International Thai-German Graduate School of Engineering (TGGS), KMUTNB. He has been full Professor at KMUTNB and became the Vice President for Research and Academic Enhancement in 2012 and elected President of KMUTNB in November 2016. He won the Outstanding Researcher Award in 2010, 2012, 2013 at KMUTNB and National Outstanding Researcher Award for the year 2021 in engineering and industrial research by National Research Council of Thailand (NRCT) and Honorary Fellow of RWTH Aachen university Award 2024. His research interests in Polymer Processing and Composite Material. He is Editor-in-Chief: Applied Science and Engineering Progress and International Advisory Board, eXPRESS Polymer Letters and Journal of Production Systems and Manufacturing Science and the author of more than 645 peer reviewed Journal Articles and edited books and book chapters more than 175 books. He has participated with presentations in more than 51 International and National Conferences with respect to Materials Science and Engineering topics.

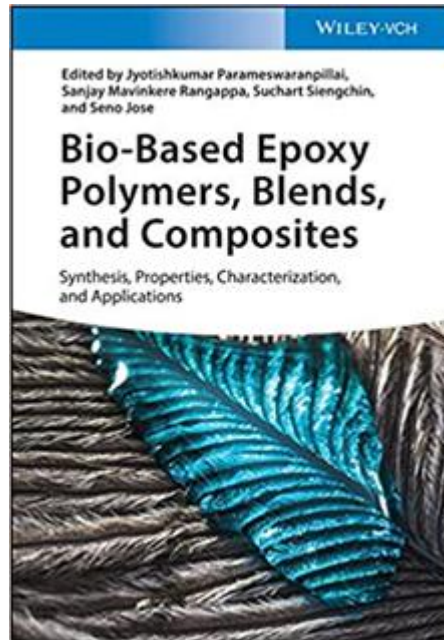
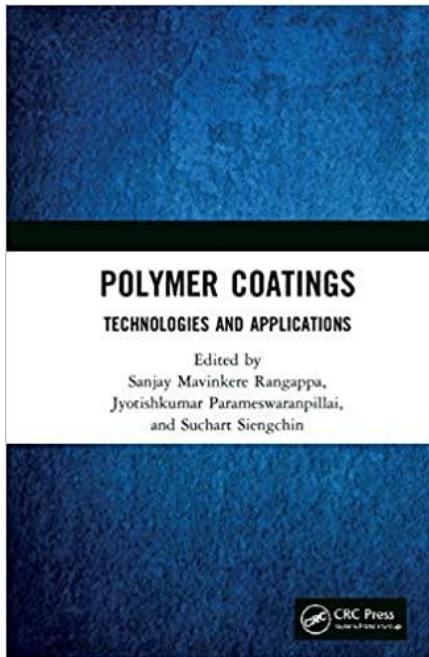
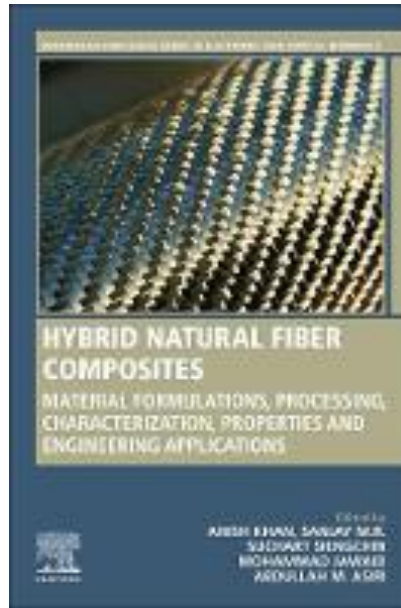
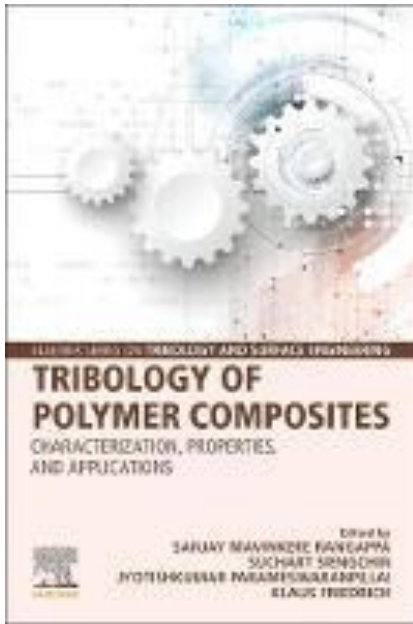
FIELD OF INTEREST

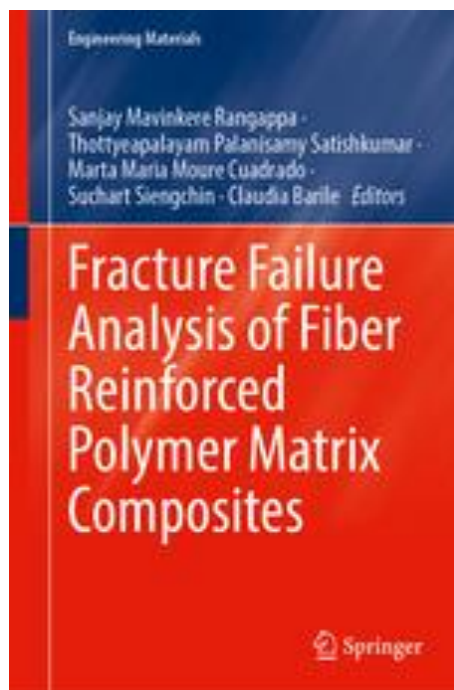
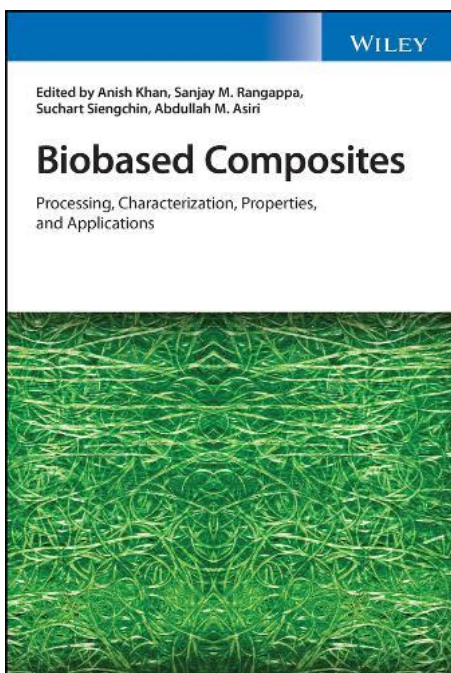
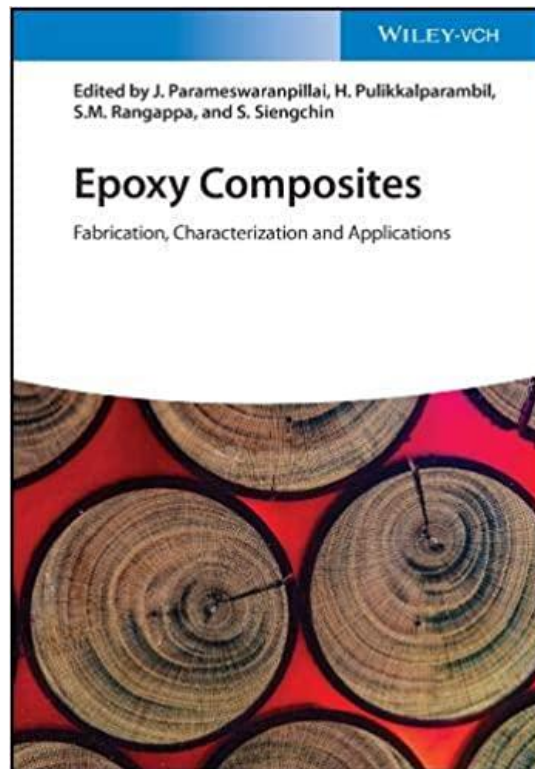
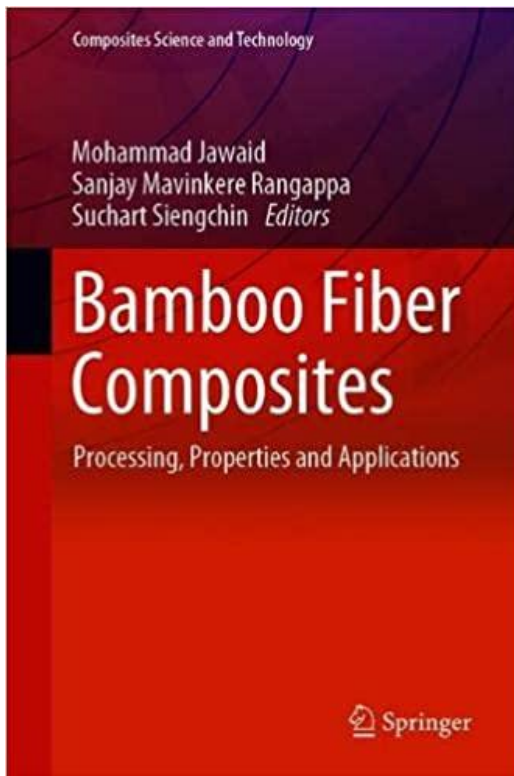
- Polymer and composite processing
- Structure-property relationships
- Natural fiber and Composite material
- Modeling and Rheology based on Polymer

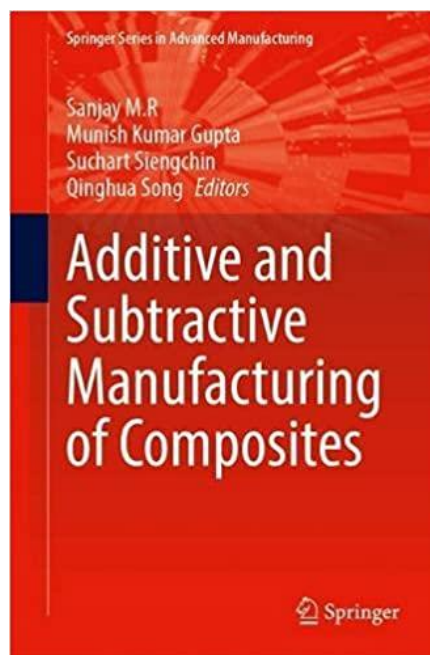
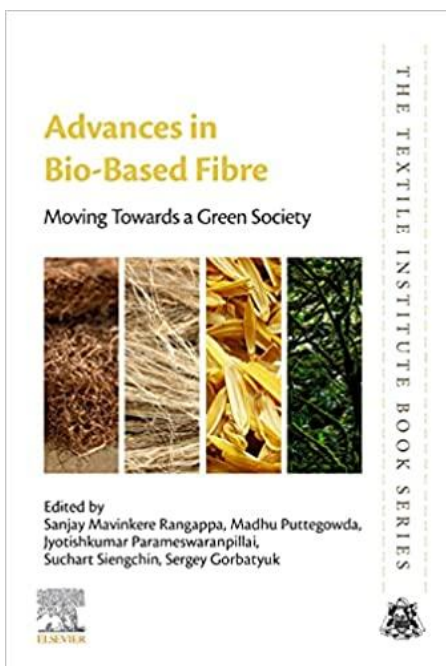
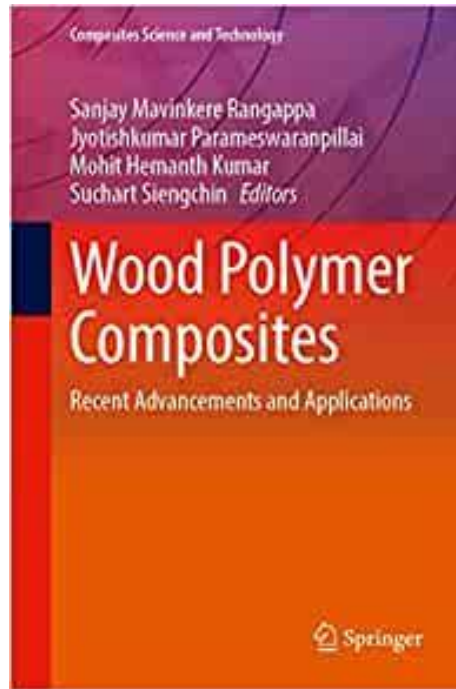
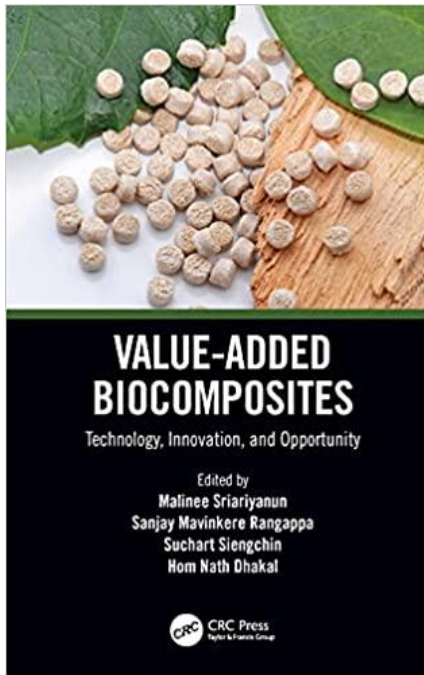
FELLOWSHIPS/AWARDS

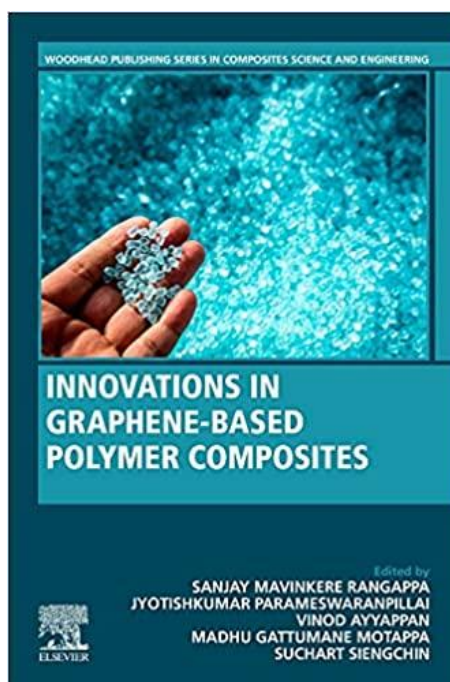
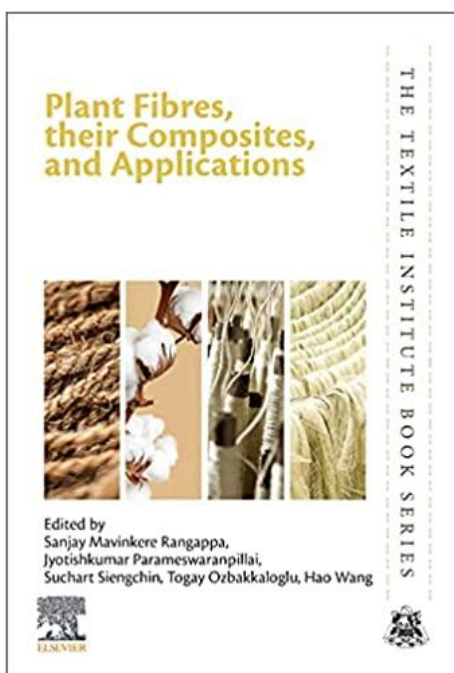
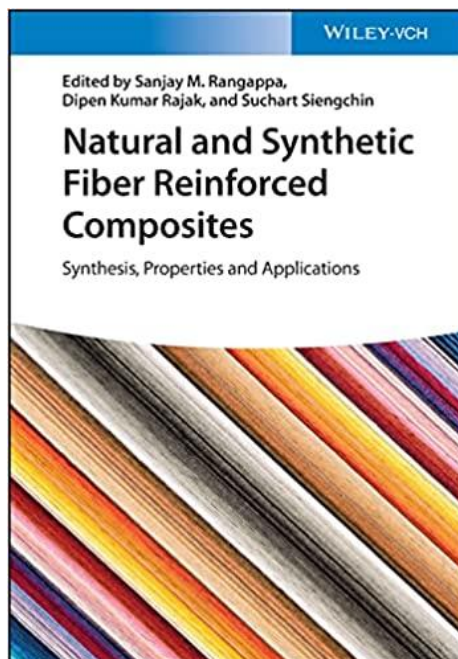
- | | |
|-------------|--|
| 1999 | Deutcher Akademisher Austauschdienst (DAAD) Master Thesis- scholarships - 6 months |
| 2005 | Deutsche Forschungsgemeinschaft, DFG (German Research Foundation) Research Training Groups: 2005-2008 |
| 2006 | DAAD/IKYDA program, Deutcher Akademisher Austauschdienst (DAAD) and Greek State Institute of Scholarships (IKY) Research trip: University of Patras, Department of Materials Science - 2 weeks |
| 2007 | DAAD/IKYDA program, Deutcher Akademisher Austauschdienst (DAAD) and Greek State Institute of Scholarships (IKY) Research trip: University of Patras, Department of Materials Science - 2 weeks |
| 2008 | DAAD/IKYDA program, Deutcher Akademisher Austauschdienst (DAAD) and Greek State Institute of Scholarships (IKY) Research trip: University of Patras, Department of Materials Science - 2 weeks |

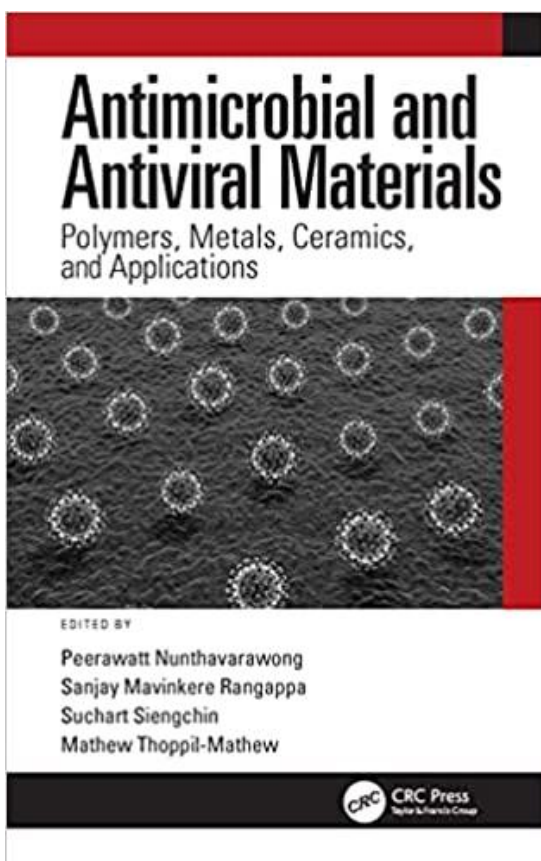
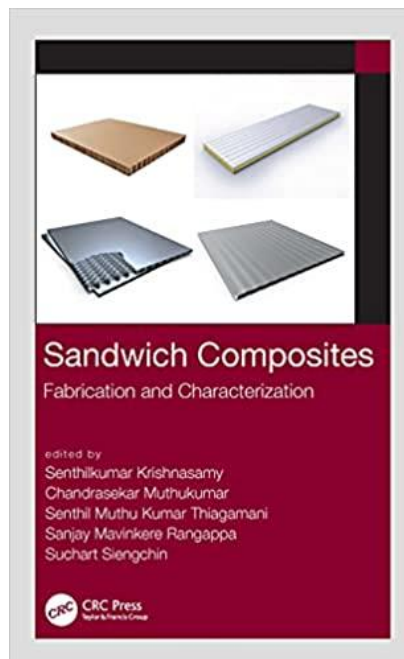
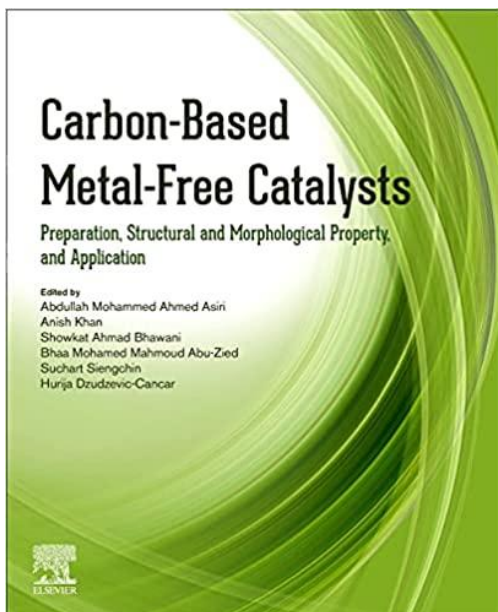


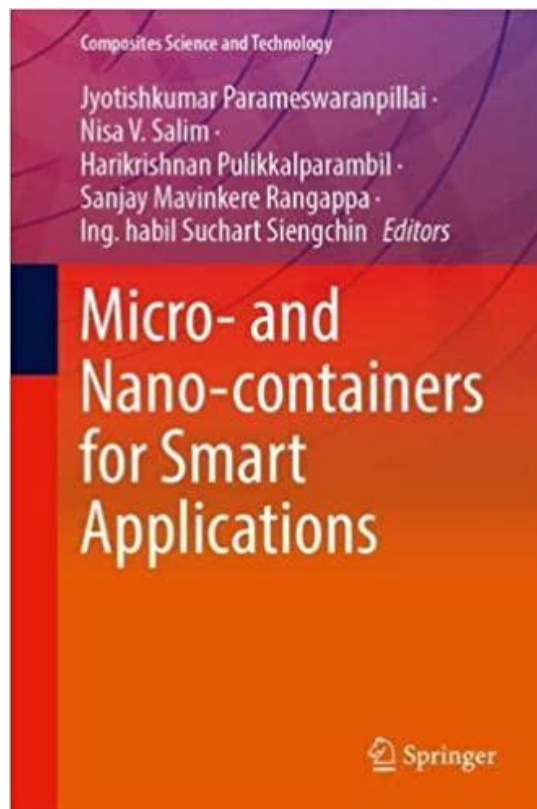
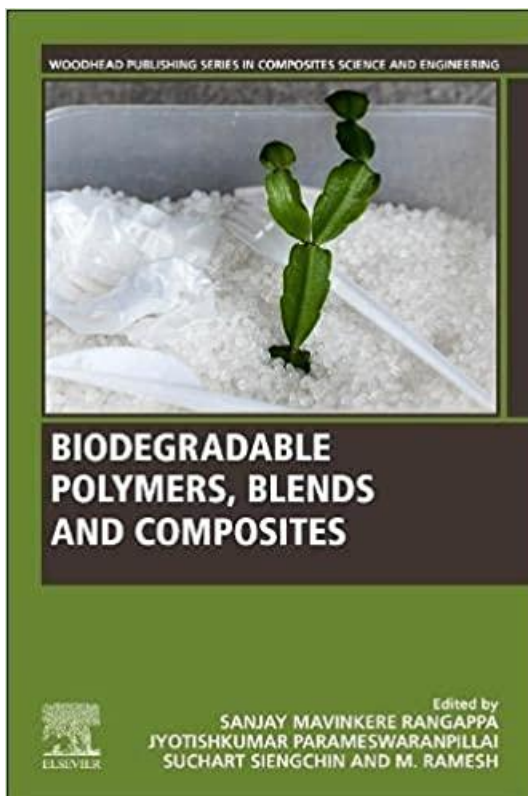
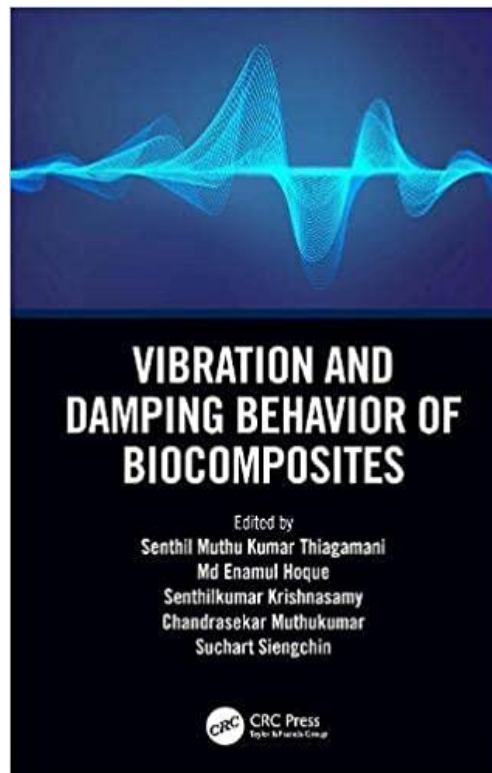
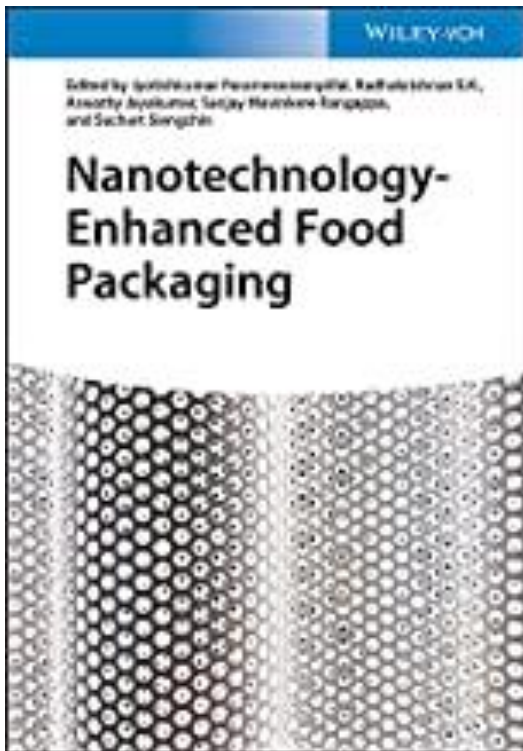


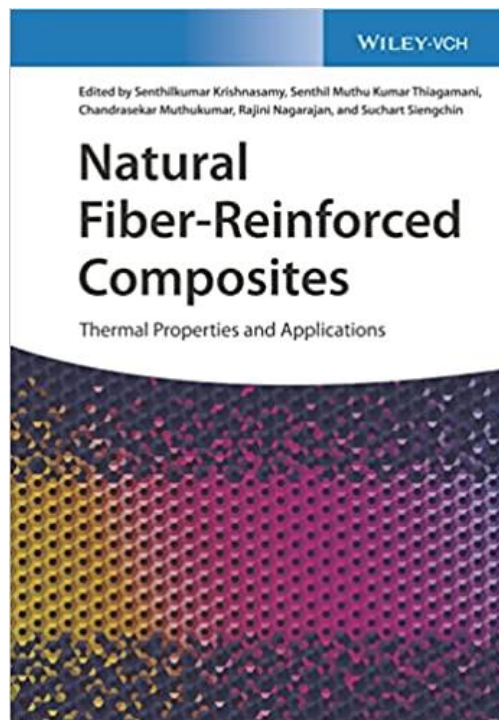
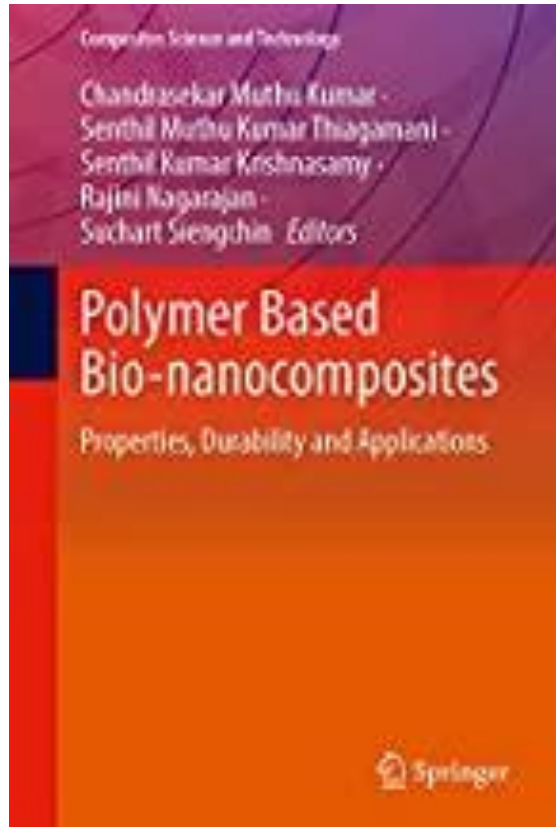
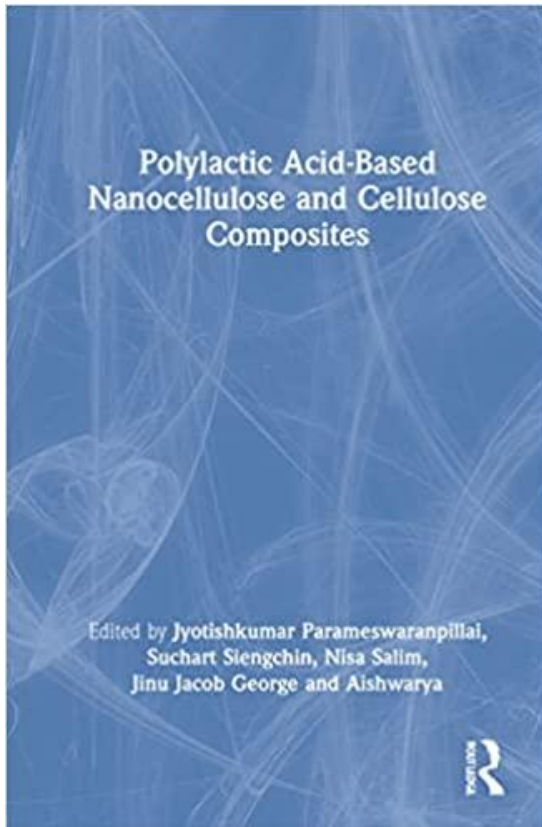


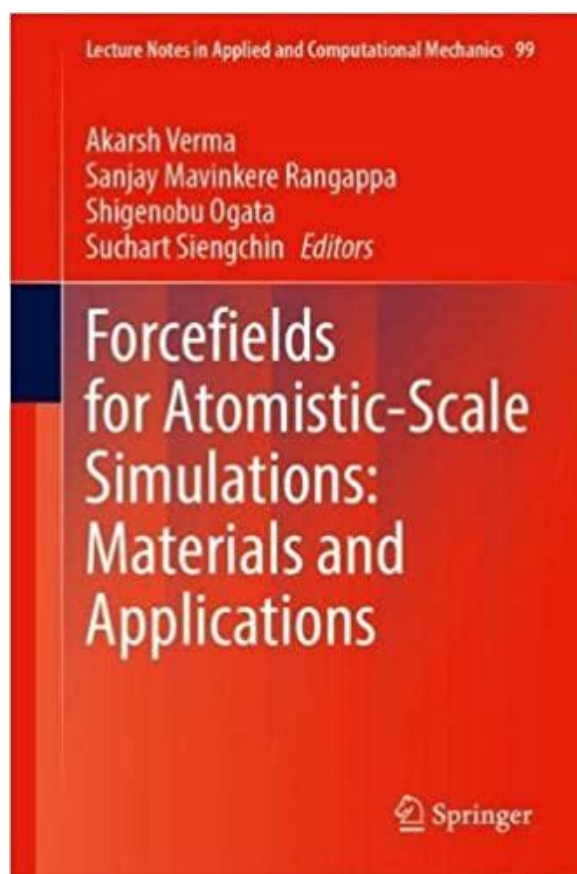
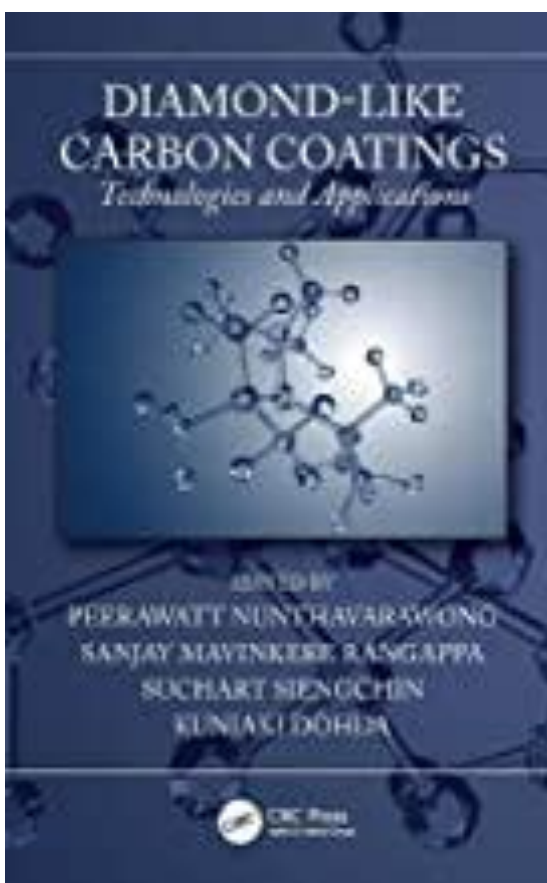
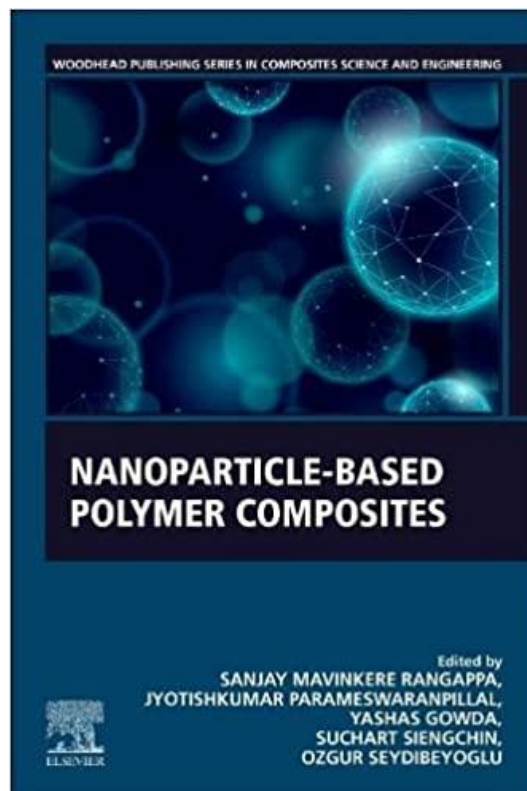
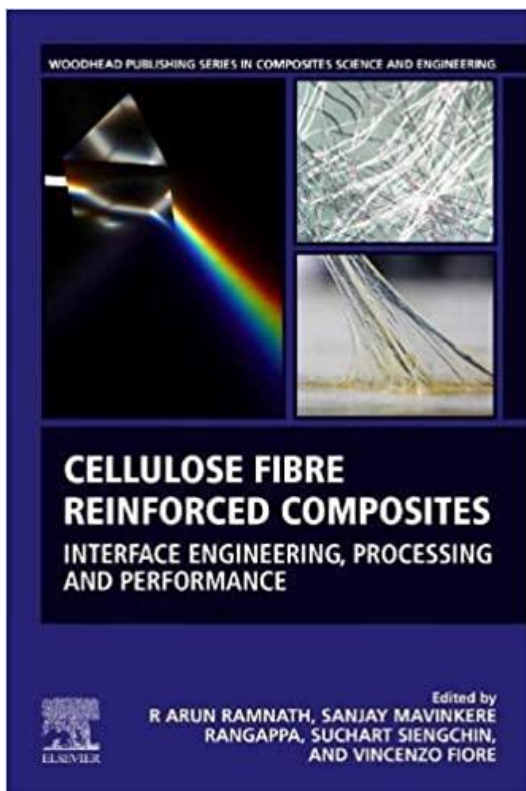


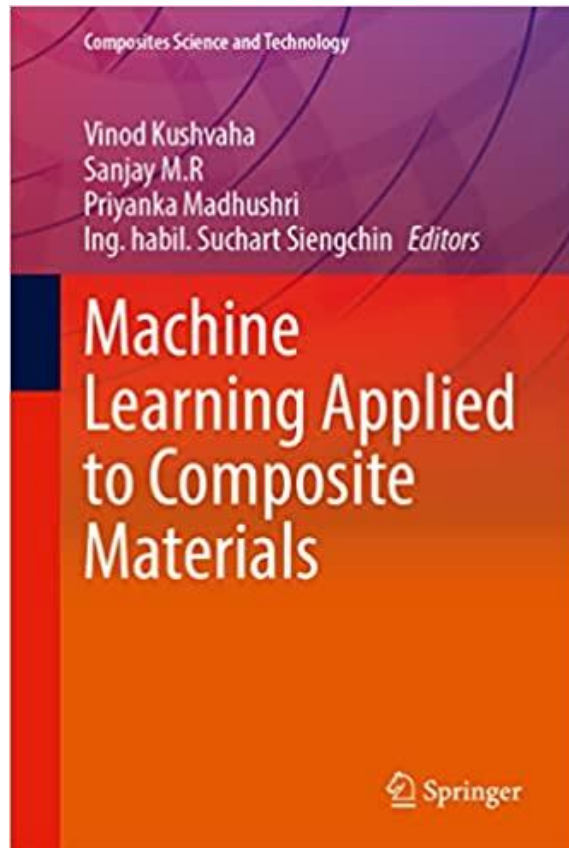
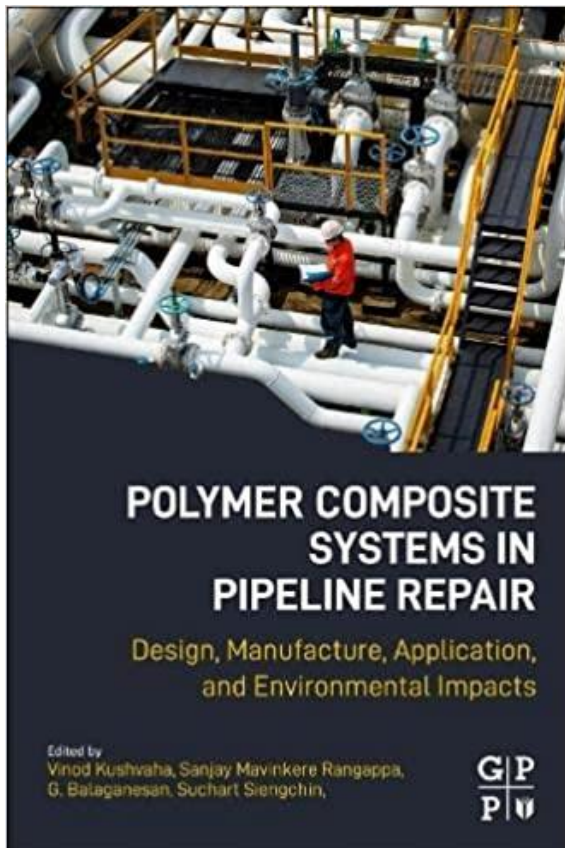
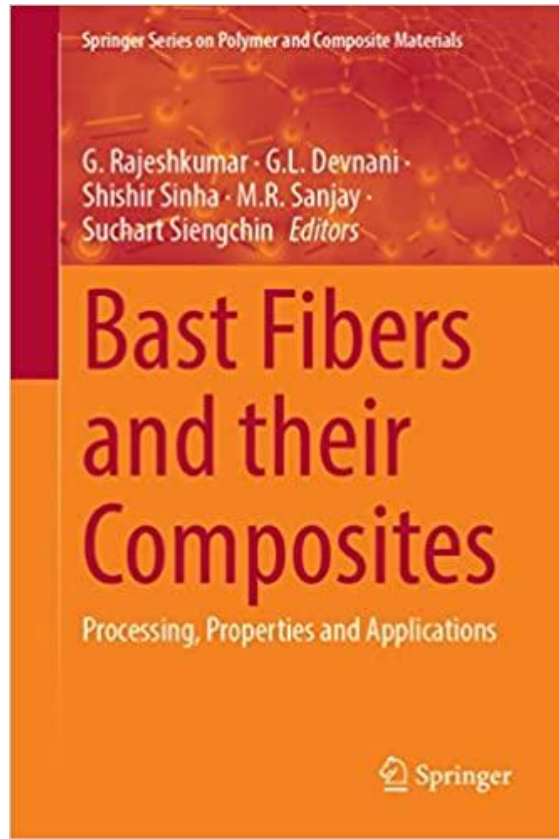
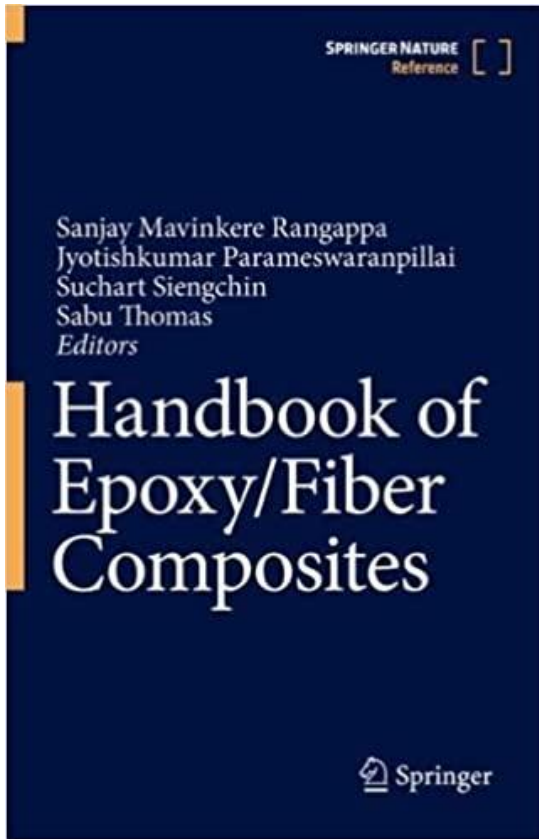


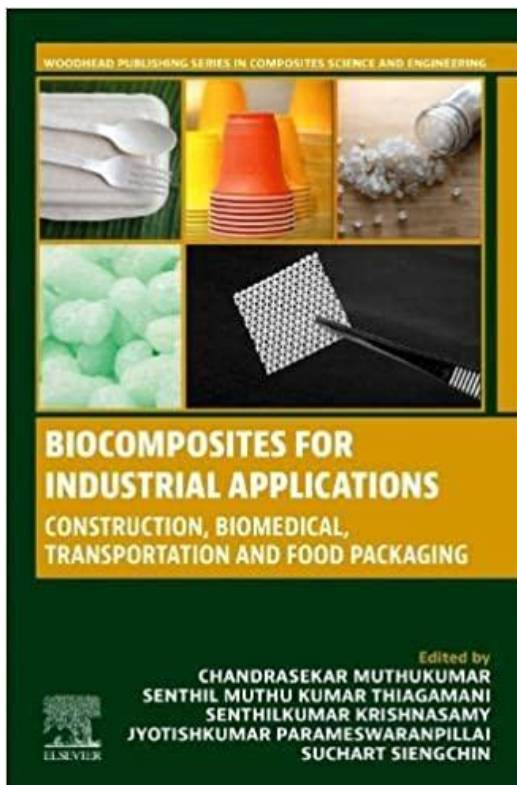
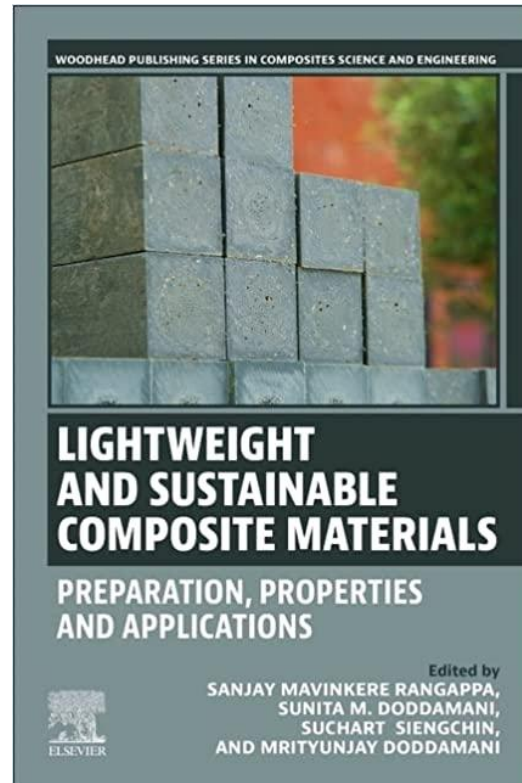
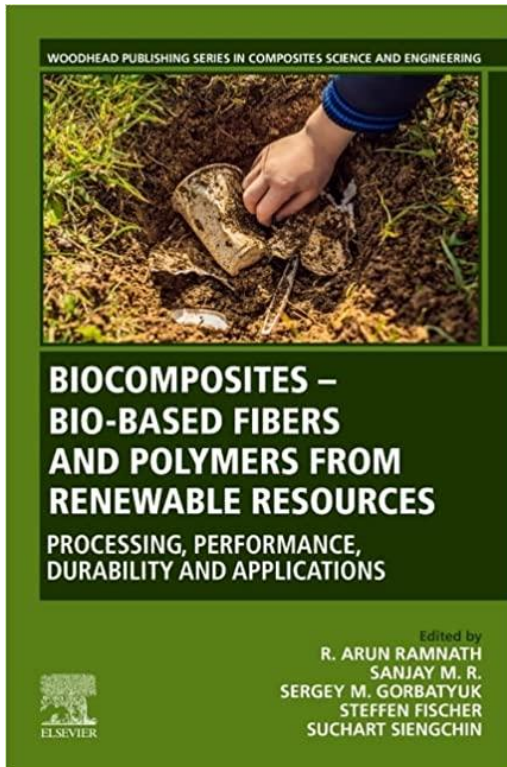


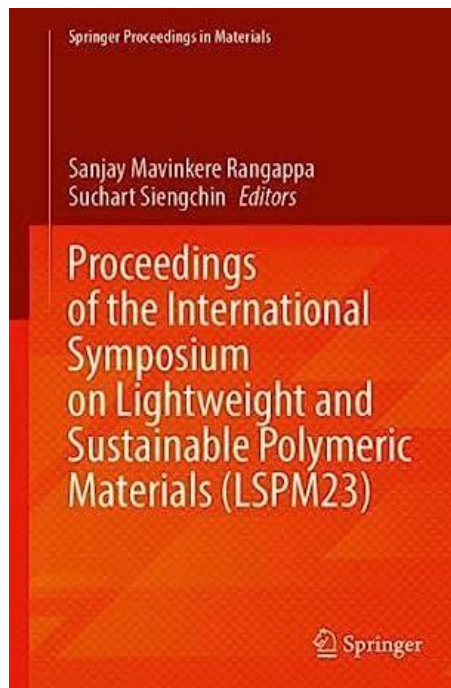
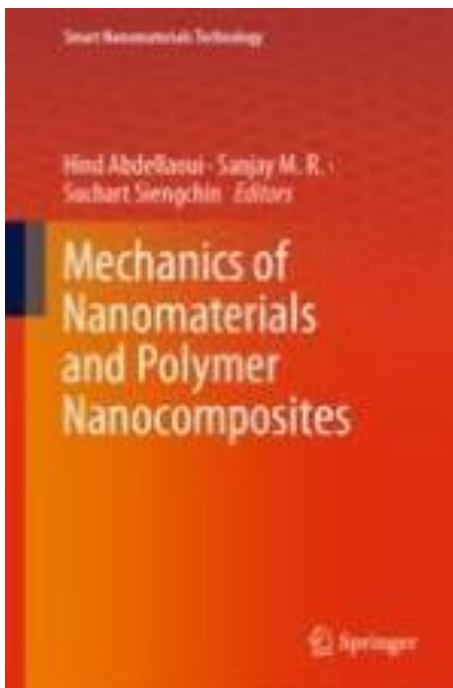
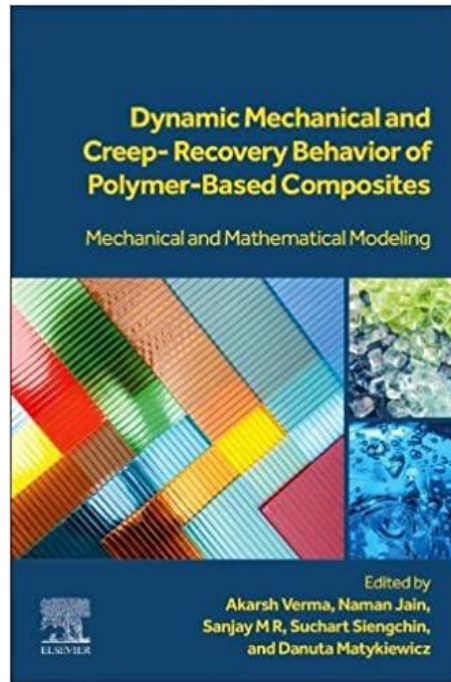
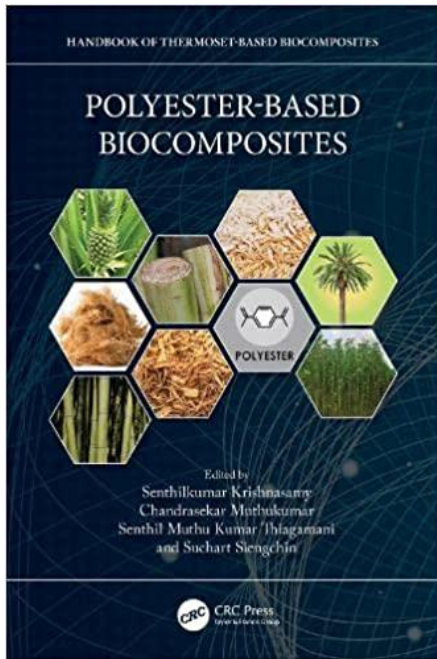


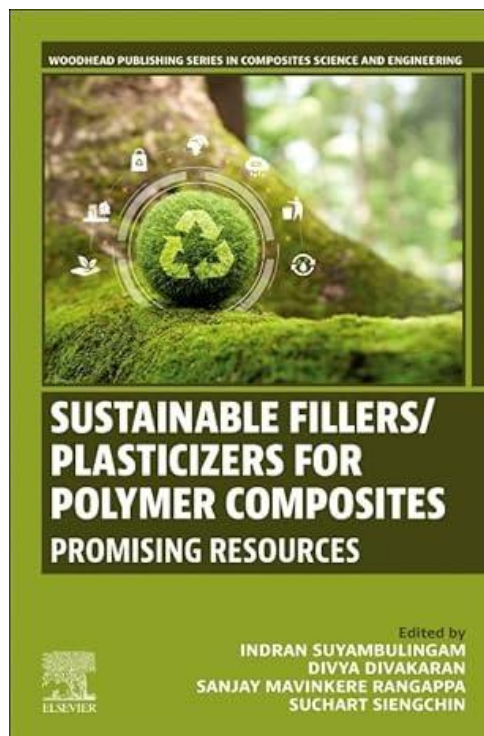
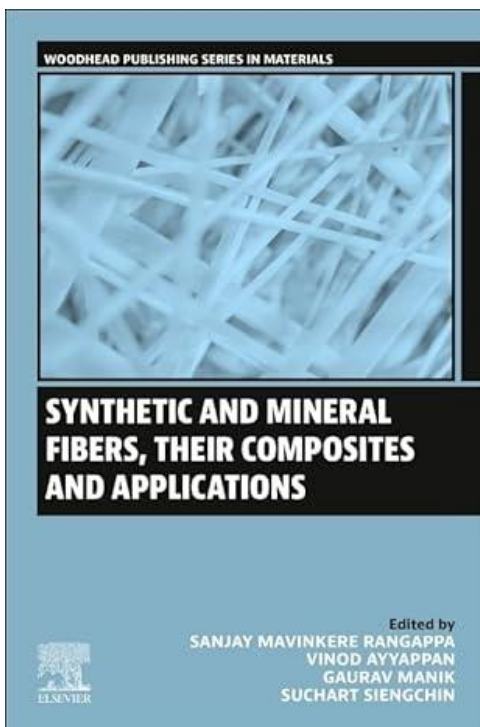
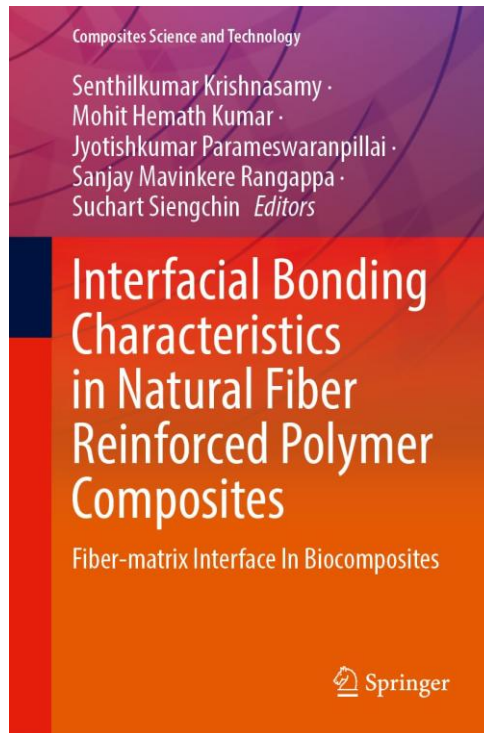


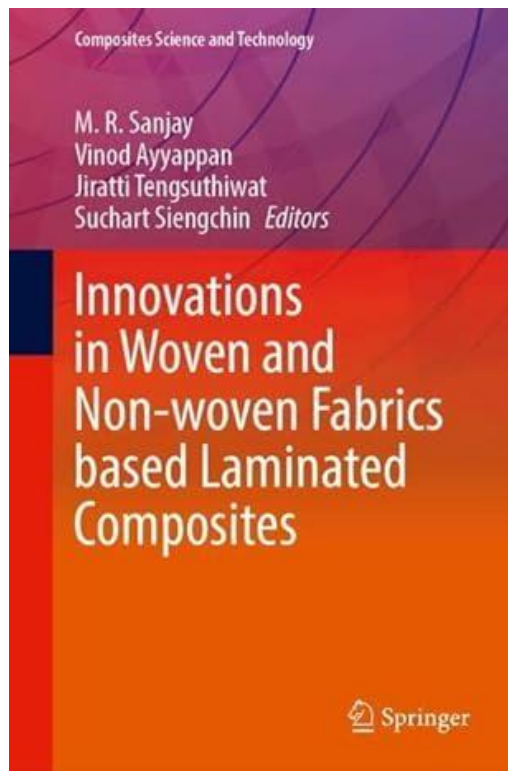
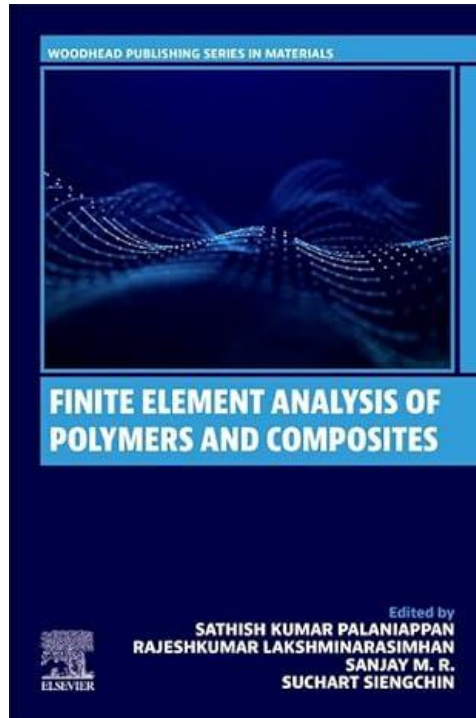
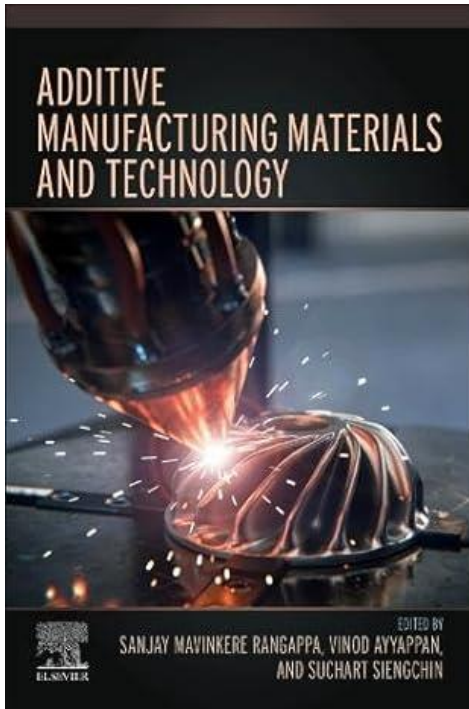


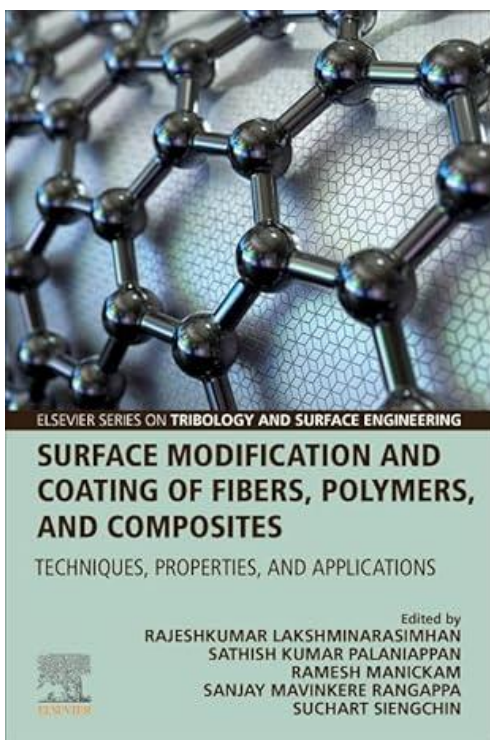
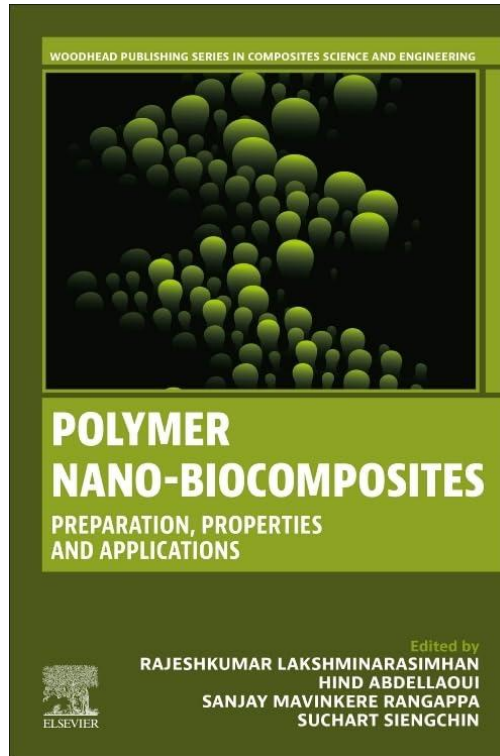
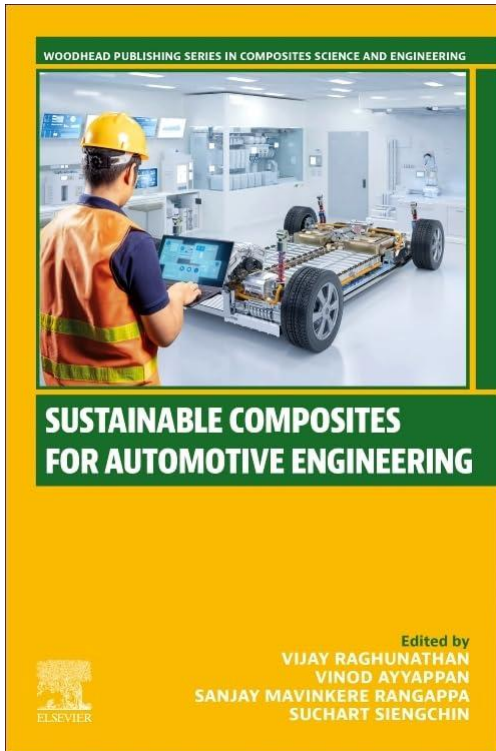












Springer Proceedings in Materials

Sanjay Mavinkere Rangappa
Sathish Kumar Palaniappan
Suchart Siengchin *Editors*

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

EFPM 2024, 19–20 February, Bangkok,
Thailand

 Springer

PROFESSIONAL ACTIVITIES

- International Journal Reviewer, Polymer International
- International Journal Reviewer, Journal of Thermoplastic Composite Materials
- International Journal Reviewer, Express Polymer Letters
- International Journal Reviewer, Polymer
- International Journal Reviewer, Polymer Composites
- International Journal Reviewer, Polymer Engineering and Science
- International Journal Reviewer, Journal Applied Polymer Science
- International Journal Reviewer, Journal of Reinforced Plastics and Composites
- International Journal Reviewer, Asian International Journal of Science and Technology
- International Journal Reviewer, Composites Science and Technology
- International Journal Reviewer, Composites Part B: Engineering
- International Journal Reviewer, Composites Part A: Applied Science and Manufacturing
- International Journal Reviewer, Journal of Thermal Analysis and Calorimetry
- International Journal Reviewer, Journal of Elastomers and Plastics
- International Journal Reviewer, Journal of Particulate Science and Technology
- International Journal Reviewer, Polymer International
- International Journal Reviewer, Journal of Materials Science
- International Journal Reviewer, Journal of Natural Fibers
- International Journal Reviewer, Journal of Biological Macromolecules
- International Journal Reviewer, Polymers from Renewable Resources
- International Journal Reviewer, Journal of Engineered Fibers and Fabrics
- International Journal Reviewer, ACS Applied Materials & Interfaces
- International Journal Reviewer, Colloids and Surfaces A
- International Journal Reviewer, Journal of Mechanical and Materials Engineering
- International Journal Reviewer, Materials Today Communications
- International Journal Reviewer, Scientific Reports
- International Journal Reviewer, Materials Science & Engineering C
- International Journal Reviewer, Chemical Engineering Journal
- International Journal Reviewer, Progress in Organic Coatings
- International Journal Reviewer, Materials Letters
- International Journal Reviewer, Journal of Food Engineering
- International Journal Reviewer, Journal of Materials Research and Technology
- International Journal Reviewer, Polymers for Advanced Technologies
- International Journal Reviewer, Macromolecular Symposia

- Internatinal Journal Reviewer, Journal of Renewable Materials
- Internatinal Journal Reviewer, Construction & Building Materials
- Internatinal Journal Reviewer, Applied Surface Science
- Internatinal Journal Reviewer, Journal of Polymers and the Environment
- Internatinal Journal Reviewer, Journal of Cleaner Production
- Internatinal Journal Reviewer, European Journal of Wood and Wood Products
- Internatinal Journal Reviewer, Cellulose
- Internatinal Journal Reviewer, Waste and Biomass Valorization
- Internatinal Journal Reviewer, Materials & Design
- Internatinal Journal Reviewer, Iranian Polymer Journal
- Internatinal Journal Reviewer, Industrial Crops & Products
- Internatinal Journal Reviewer, Biomass Conversion and Biorefinery
- Internatinal Journal Reviewer, Carbohydrate Polymers
- Internatinal Journal Reviewer, European Polymer Journal
- Internatinal Journal Reviewer, Polymer Analysis and Characterization
- Internatinal Journal Reviewer, Cleaner Materials
- Internatinal Journal Reviewer, ACS Sustainable Chemistry & Engineering
- Internatinal Journal Reviewer, RSC Advances
- Internatinal Journal Reviewer, Bioresource Technology Reports
- Internatinal Journal Reviewer, Materials
- Internatinal Journal Reviewer, Journal of Industrial Textiles
- Internatinal Journal Reviewer, Materialia
- Internatinal Journal Reviewer, Composite Structures
- Internatinal Journal Reviewer, Journal of the Mechanical Behavior of Biomedical Materials
- Internatinal Journal Reviewer, Polymer Degradation and Stability
- Internatinal Journal Reviewer, Polymer Bulletin
- Internatinal Journal Reviewer, Journal of Testing and Evaluation
- Internatinal Journal Reviewer, Heliyon
- Internatinal Journal Reviewer, Materials Chemistry and Physics
- Internatinal Journal Reviewer, Journal of Engineering Research
- Internatinal Journal Reviewer, Energy Science & Engineering
- Internatinal Journal Reviewer, Hybrid Advances
- Internatinal Journal Reviewer, Progress in Materials Science
- Internatinal Journal Reviewer, Next Materials
- Internatinal Journal Reviewer, Tribology International
- Internatinal Journal Reviewer, Journal of Manufacturing Processes

- Internatinal Journal Reviewer, Journal of Alloys and Compounds
- Internatinal Journal Reviewer, Emergent Materials
- Internatinal Journal Reviewer, Cogent Engineering
- Internatinal Journal Reviewer, Applied Composite Materials
- Internatinal Journal Reviewer, Journal of Inorganic and Organometallic Polymers and Materials
- Editor-in-Chief: KMUTNB Journal
- Editor-in-Chief: Applied Science and Engineering Progress
- International Advisory Board, eXPRESS Polymer Letters
- International Editorial Board, Journal of Polymer Letters
- International Editorial Board, Journal of Production Systems and Manufacturing Science
- Special Issue Editors: Polymers Journal (MDPI)
- Special Issue Editors: Frontiers in Materials

PUBLICATION

Books

- [1] **SIENGCHIN S.**: Water Mediated Melt Compounding to Produce Thermoplastic Polymer Based Nanocomposites: Structure-Property Relationships. IVW Schriftenreihe Band 82, *A.K. Schlarb (Hrsg.)*, Kaiserslautern, 2008, ISBN: 978-3-934930-78-0.
- [2] **SIENGCHIN S.**: Natural Fiber Reinforced Thermoplastics. **Universitätsverlag Chemnitz** 2017, ISBN: 978-3-96100-019-7 .
- [3] Editors: Jyotishkumar Parameswaranpillai, **Suchart Siengchin**, Jinu Jacob George and Seno Jose, Shape Memory Polymers, Blends and Composites - Advances and Applications, **Publisher: Springer Nature** 2019, ISBN 978-981-13-8573-5 DOI 10.1007/978-981-13-8574-2
- [4] Editors: Anish Khan, Sanjay M.R, **Suchart Siengchin** and Abdullah M. Asiri: Biofibers and Biopolymers for Biocomposites - Synthesis, Characterization and Properties, **Publisher: Springer Nature** 2020, ISBN 978-3-030-40300-3 DOI 10.1007/978-3-030-40301-0
- [5] Editors: Anish Khan, Sanjay M.R, Mohammed Jawaid, **Suchart Siengchin** and Abdullah M. Asiri, Hybrid Fiber Composites. Materials, Manufacturing, Process Engineering, **Publisher: Wiley-VCH Verlag** 2020, ISBN 978-3527346721
- [6] Editors: Sanjay M.R, **Suchart Siengchin**, Jyotishkumar Parameswaranpillai, Klaus Friedrich, Tribology of Polymer Composites: Characterization, Properties, and Applications, **Publisher: Elsevier** 2020, ISBN 978-01281-97677
- [7] Editors: Sanjay Mavinkere Rangappa, Jyotishkumar Parameswaranpillai, **Suchart Siengchin**, Lothar Kroll, Lightweight Polymer Composite Structures Design and Manufacturing Techniques, **Publisher: CRC Press** 2020, ISBN 978-03671-99203

- [8] Editors: Sanjay Mavinkere Rangappa, Jyotishkumar Parameswaranpillai, Senthil Muthu Kumar Thiagamani, Senthilkumar Krishnasamy, **Suchart Siengchin**, Food Packaging Advanced Materials, Technologies, and Innovations, **Publisher: CRC Press** 2020, ISBN 978-03673-35380
- [9] Editors: Jyotishkumar Parameswaranpillai, Sanjay Mavinkere Rangappa, Seno Jose, **Suchart Siengchin**, Bio-Based Epoxy Polymers, Blends and Composites: Synthesis, Properties, Characterization and Applications, **Publisher: Wiley-VCH Verlag** 2020, ISBN 978-35273-46486
- [10] Editors: Anish Khan, Sanjay M.R., **Suchart Siengchin** and Mohammed Jawaid, Hybrid Natural Fiber Composites, **Publisher: Elsevier** 2020, ISBN 978-01281-99008
- [11] Editors: Senthilkumar Krishnasamy, Rajini Nagarajan, Senthil Muthu Kumar Thiagamani and **Suchart Siengchin**, Mechanical and Dynamic Properties of Biocomposites, **Publisher: Wiley-VCH Verlag** 2021, ISBN 978-3527346264
- [12] Editors: Jyotishkumar Parameswaranpillai, Sanjay Mavinkere Rangappa and **Suchart Siengchin**, Polymer Coatings: Technologies and Applications, **Publisher: CRC Press** 2020, ISBN 978-03671-89211
- [13] Editors: Mohammed Jawaid, Sanjay M.R. and **Suchart Siengchin**: Bamboo Fiber Composites: Processing, Properties and Applications, **Publisher: Springer Nature** 2021, ISBN 978-9811584886
- [14] Editors: Jyotishkumar Parameswaranpillai, Hari Pulikkalparambil, Sanjay Mavinkere Rangappa, **Suchart Siengchin**, Epoxy Composites. Fabrication, Characterization and Applications, **Publisher: Wiley-VCH Verlag** 2021, ISBN 978-35273-46783.
- [15] Editors: Anish Khan, Sanjay M.R., **Suchart Siengchin** and Abdullah M. Asiri, Biobased Composites: Processing, Characterization, Properties, and Applications, **Publisher: Wiley-VCH Verlag** 2021, ISBN 978-1119641797.
- [16] Editors: Sanjay Mavinkere Rangappa, T.P. Satishkumar, Marta Maria Moure Cuadrado, **Suchart Siengchin**, Claudia Baile, Fracture failure Analysis of fiber reinforced polymer matrix composites, **Publisher: Springer Nature** 2021, ISBN 978-981-16-0641-0.
- [17] Editors: Malinee Sriariyanun, Sanjay Mavinkere Rangappa, Jyotishkumar Parameswaranpillai, **Suchart Siengchin** and Hom Nath Dhakal, Value-Added Biocomposites: Technology, Innovation, and Opportunity, **Publisher: CRC Press** 2020, ISBN 978-0367679262.
- [18] Editors: Sanjay Mavinkere Rangappa, Jyotishkumar Parameswaranpillai, Mohit Hemanth Kumar, **Suchart Siengchin**, Wood Polymer Composites: Recent Advancements and Applications, **Publisher: Springer Nature** 2021, ISBN 978-9811616051.
- [19] Editors: Sanjay Mavinkere Rangappa, Madhu Puttegowda, Jyotishkumar Parameswaranpillai, **Suchart Siengchin**, Sergey Gorbatyuk, Advances in Bio-based Fibre: Moving Towards a Green Society **Publisher: Elsevier** 2021, ISBN 978-0128245439.
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Design

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