INVENTION TO INNOVATION

Prof. Dr.-Ing. habil. Suchart Siengchin

President
King Mongkut's University
of Technology North Bangkok
Thailand

Prof. Dr.-Ing. habil. Suchart Siengchin is 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 584 peer reviewed Journal Articles and edited books and book chapters more than 164 books. He has participated with presentations in more than 451 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

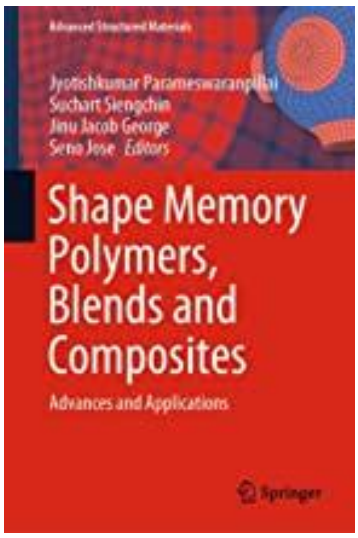
1999 Deutcher Akademisher Austauschdienst (DAAD)
Master Thesis- scholarships - 6 months

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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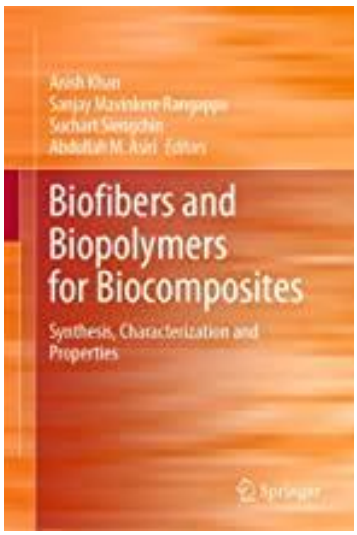
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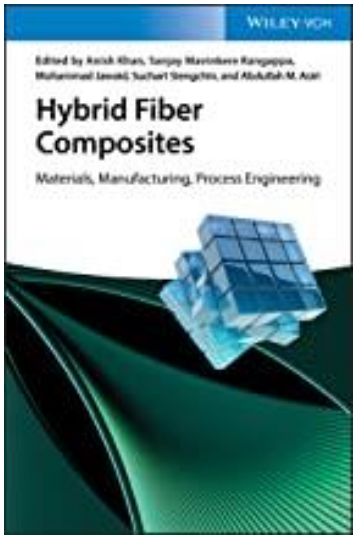
Synthesis, Characterization and Properties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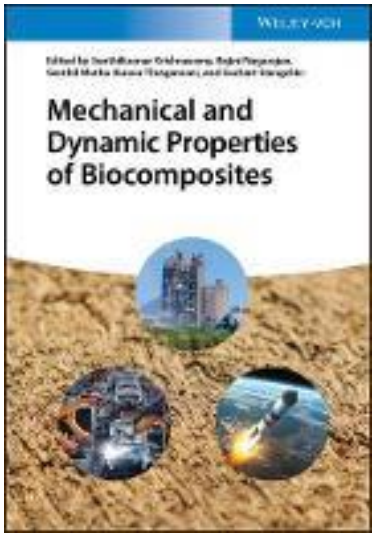
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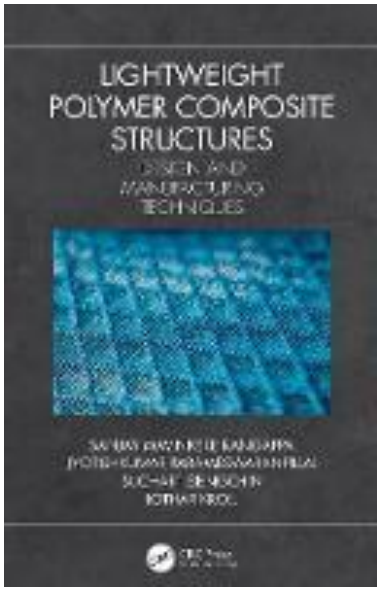
Mechanical and Dynamic Properties of Biocomposites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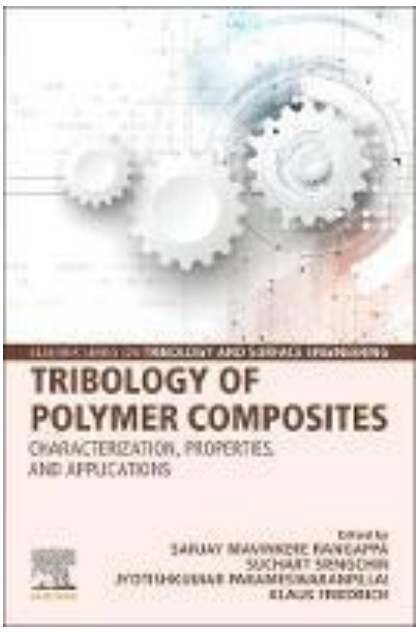
Food Packaging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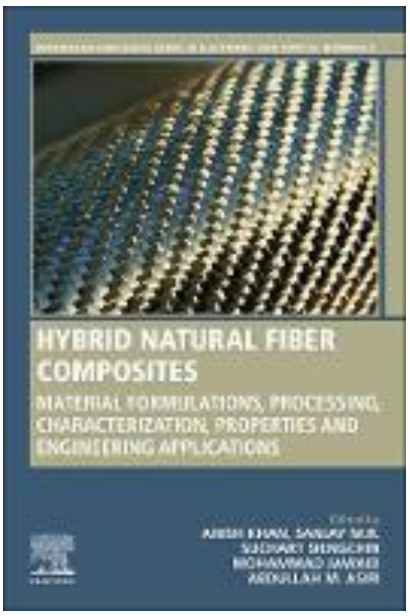
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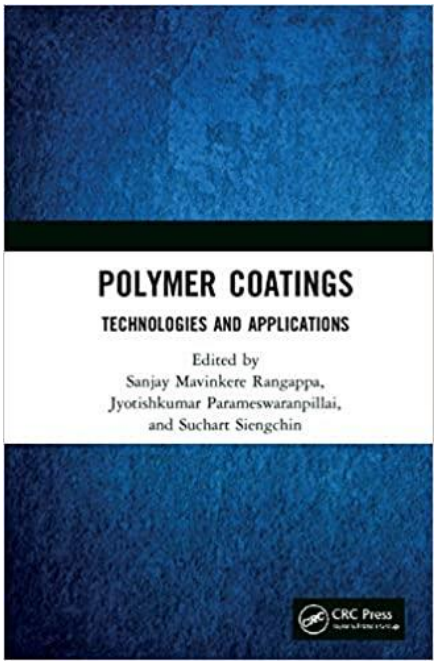
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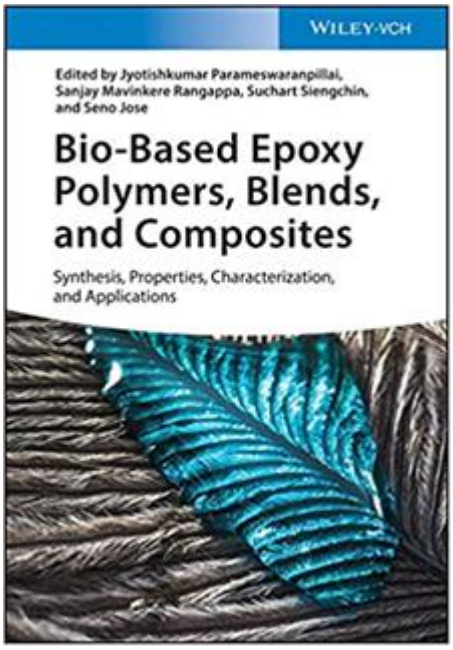
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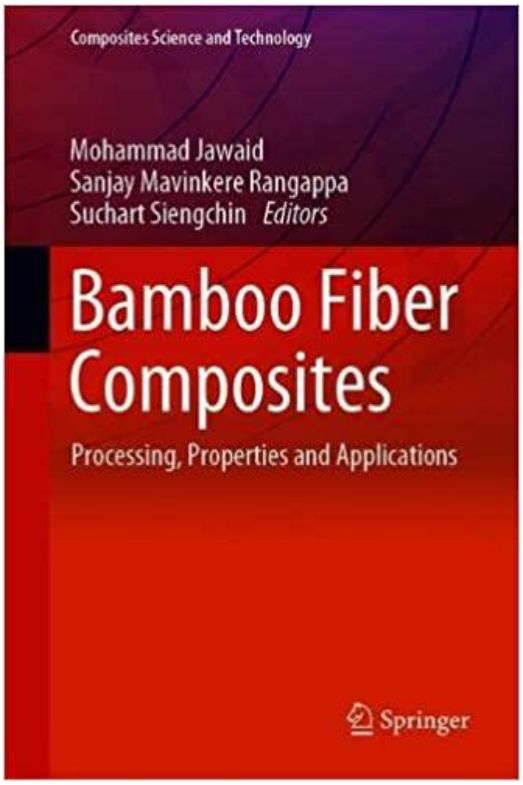
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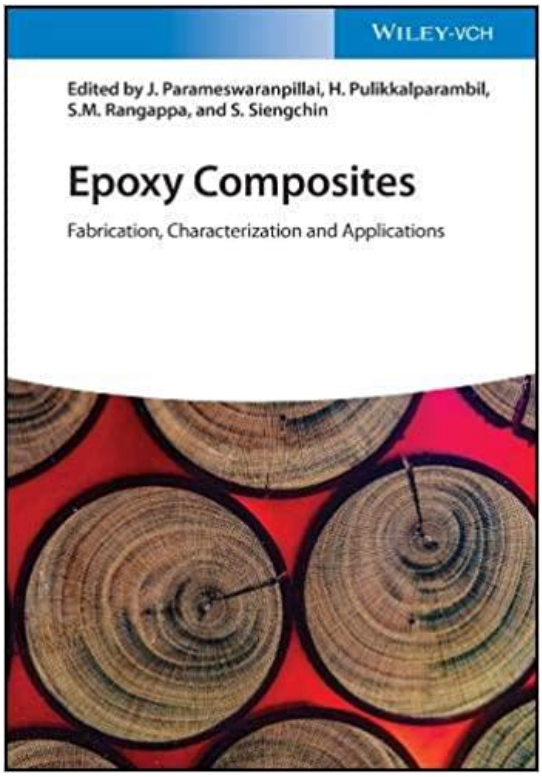
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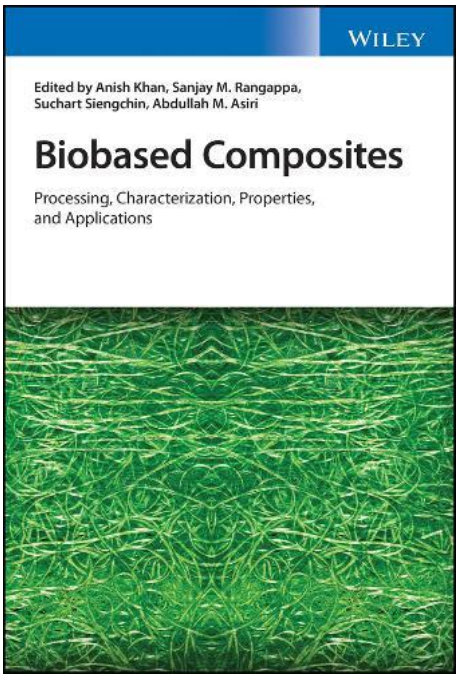
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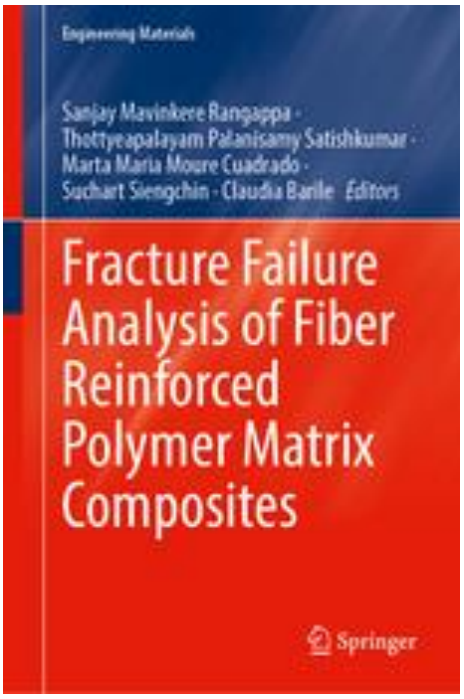
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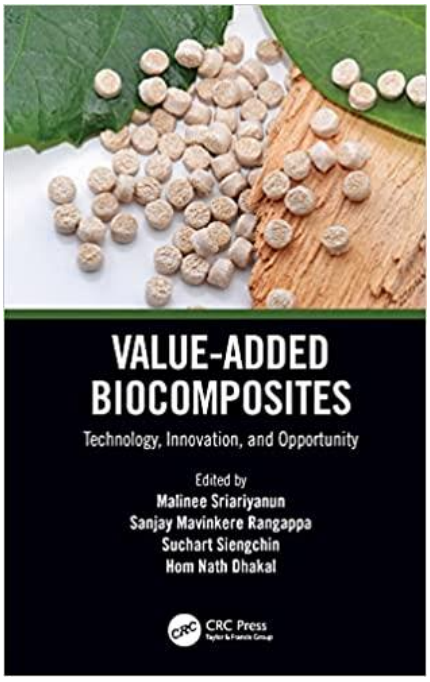
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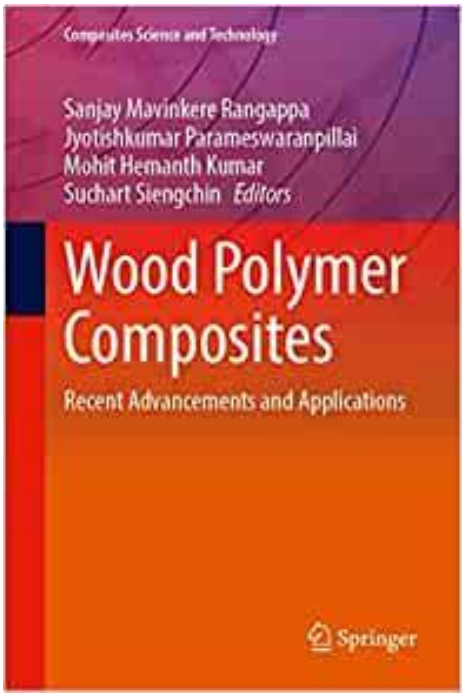
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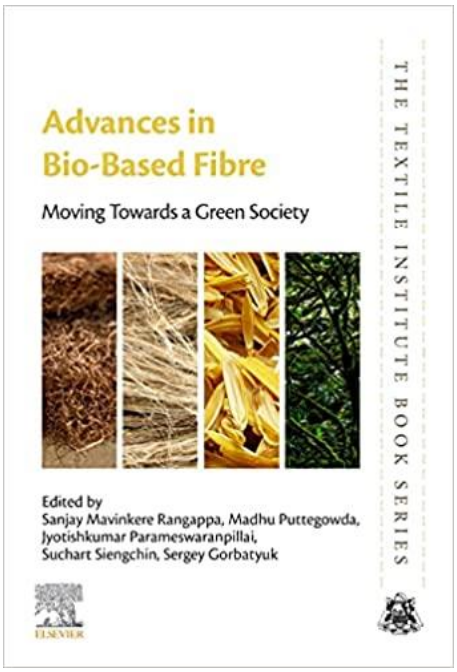
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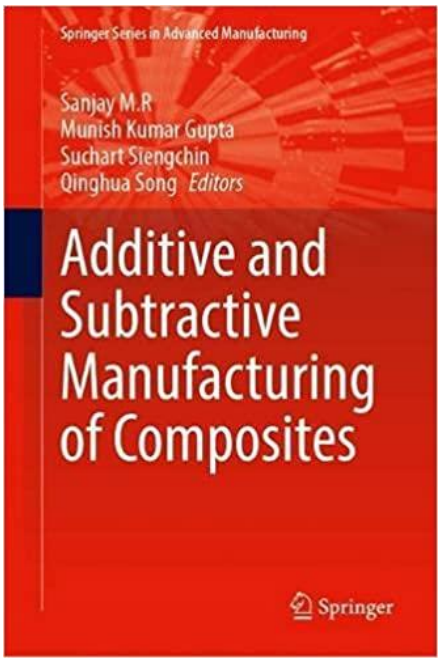
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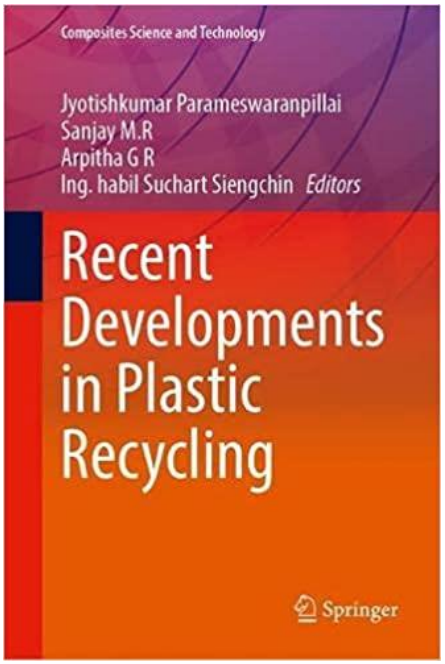
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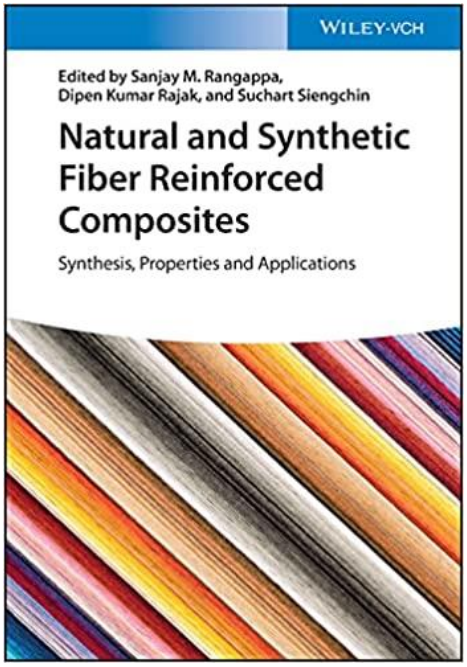
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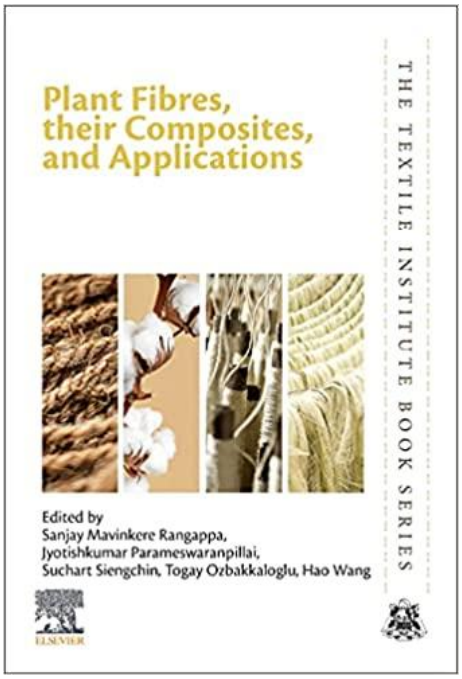
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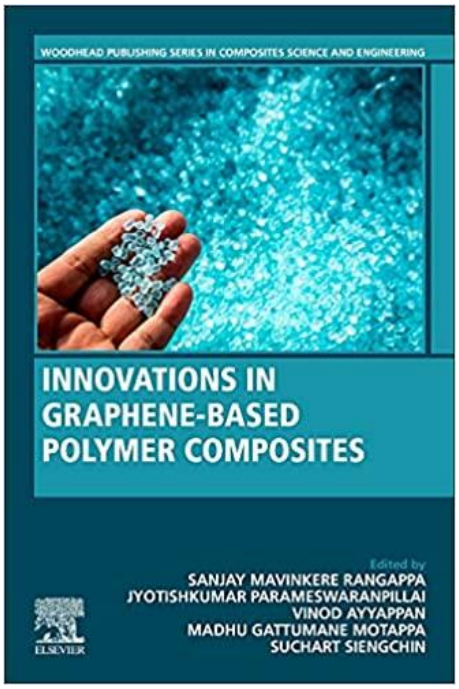
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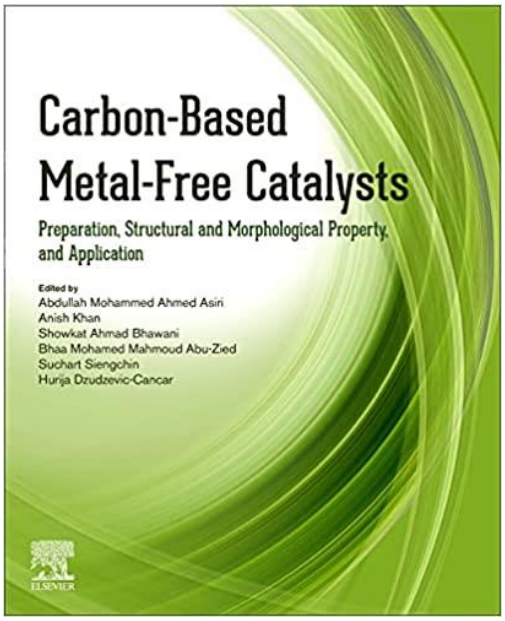
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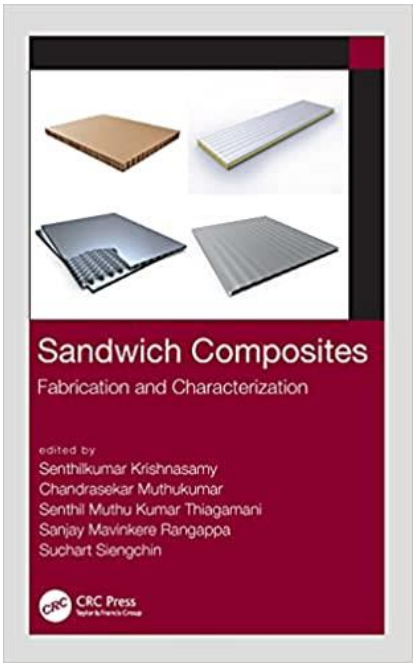
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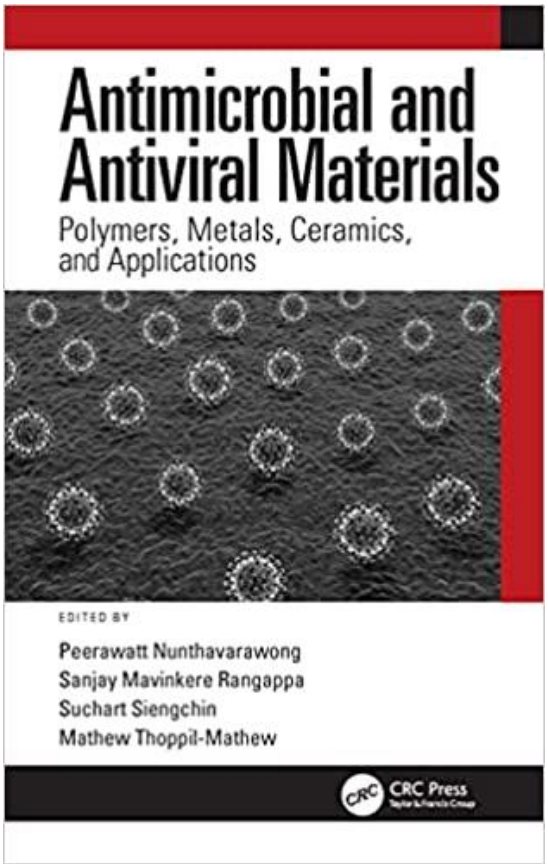
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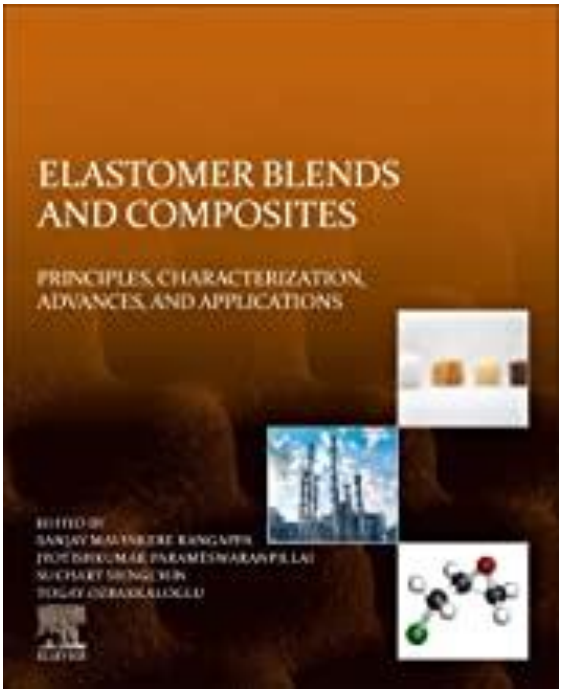
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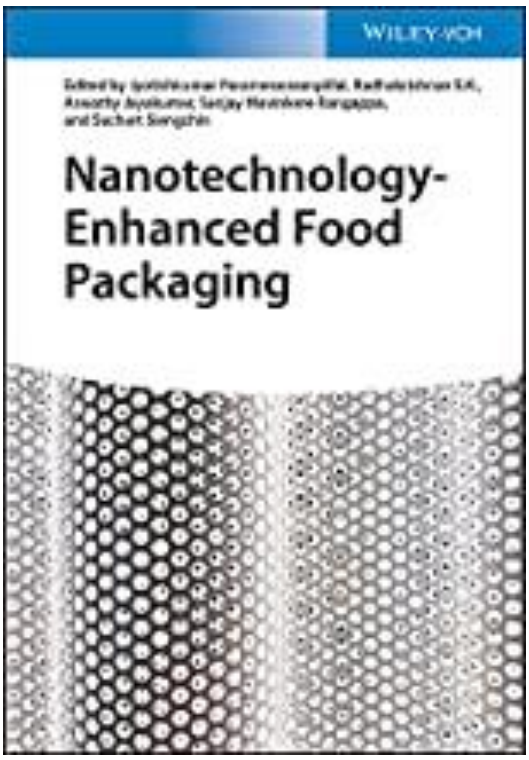
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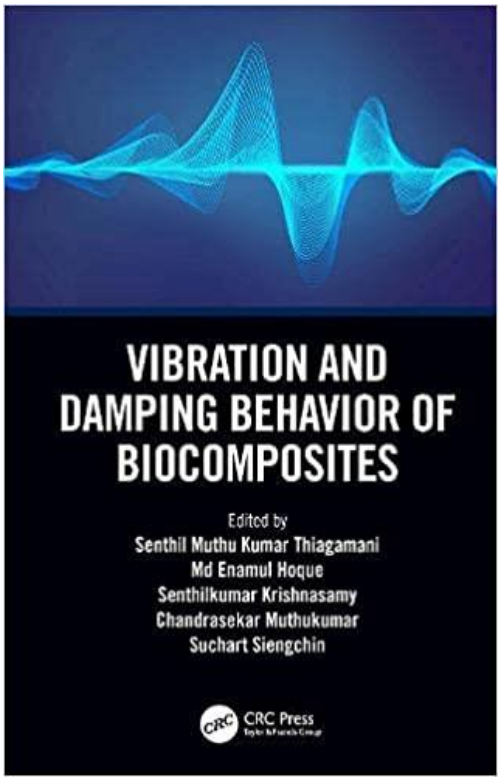
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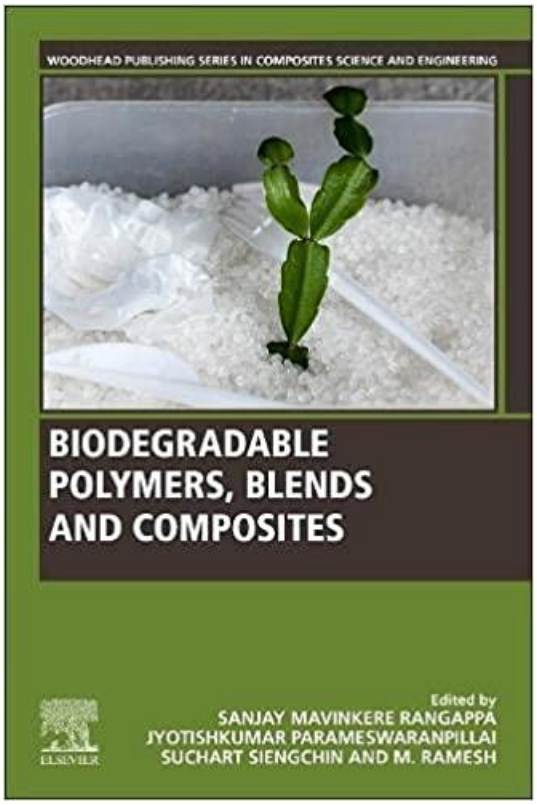
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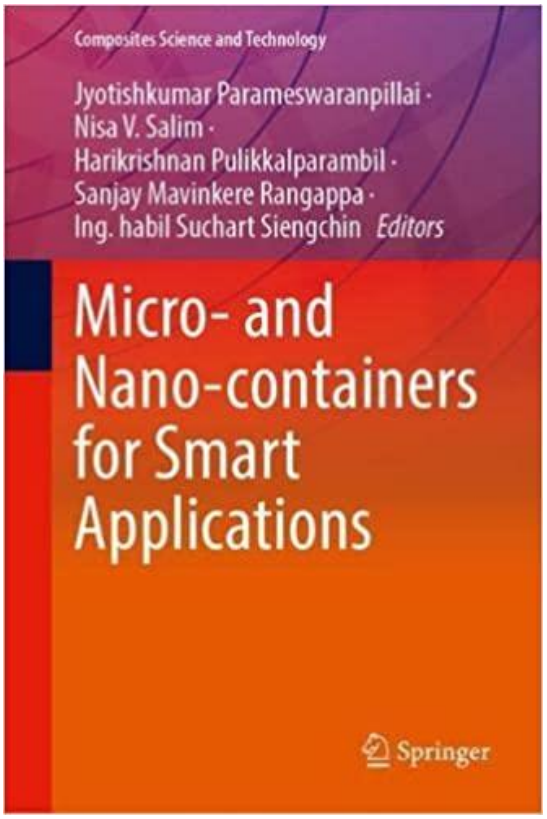
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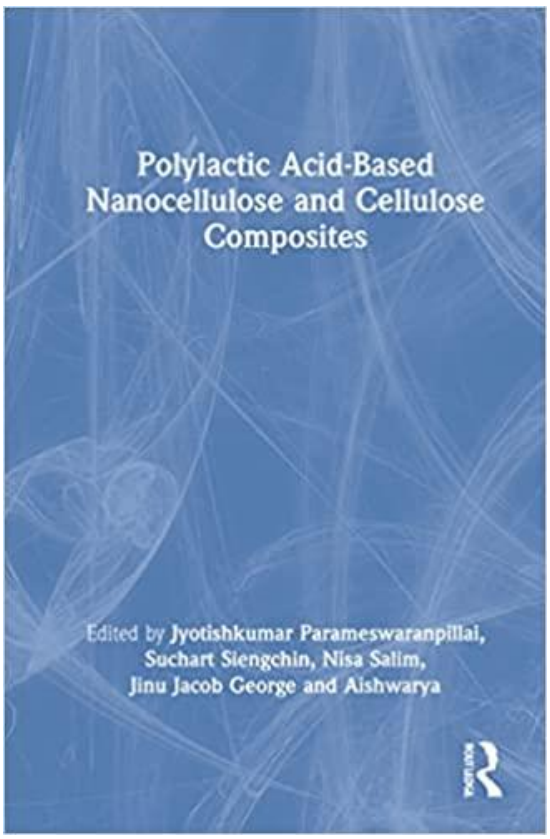
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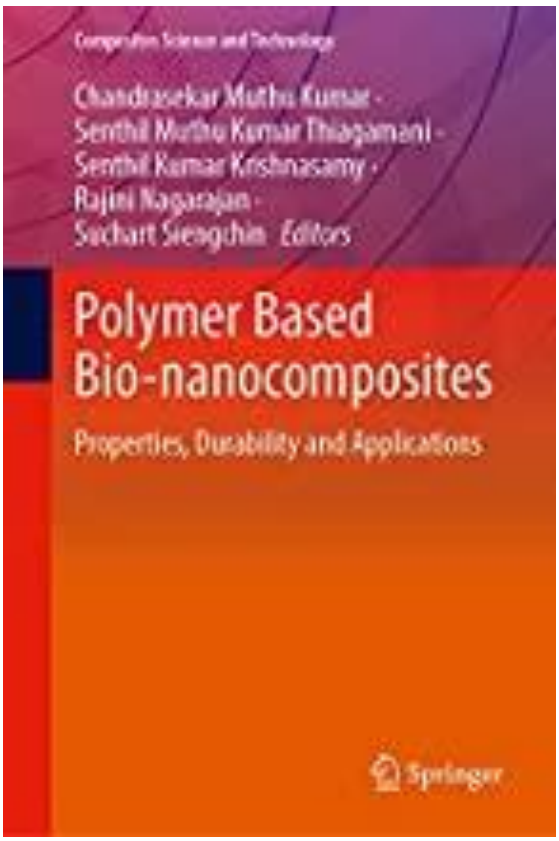
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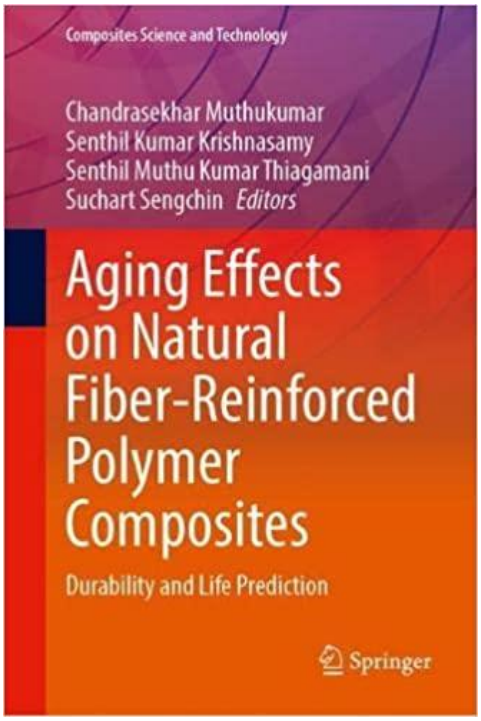
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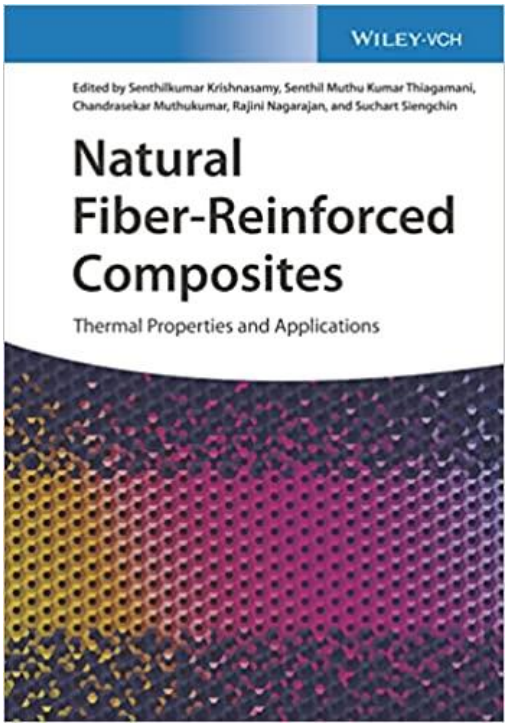
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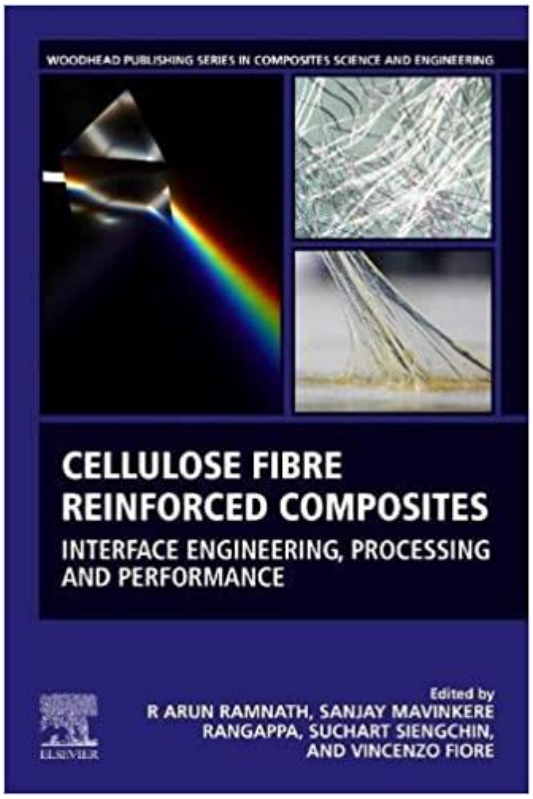
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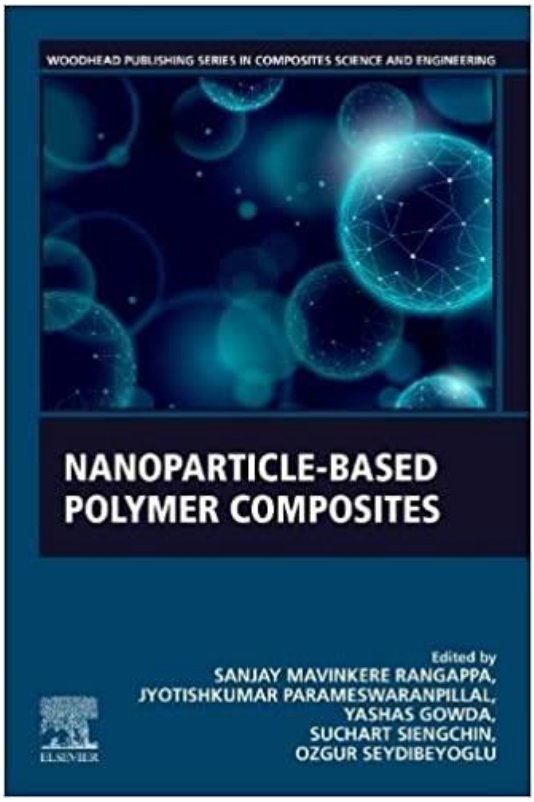
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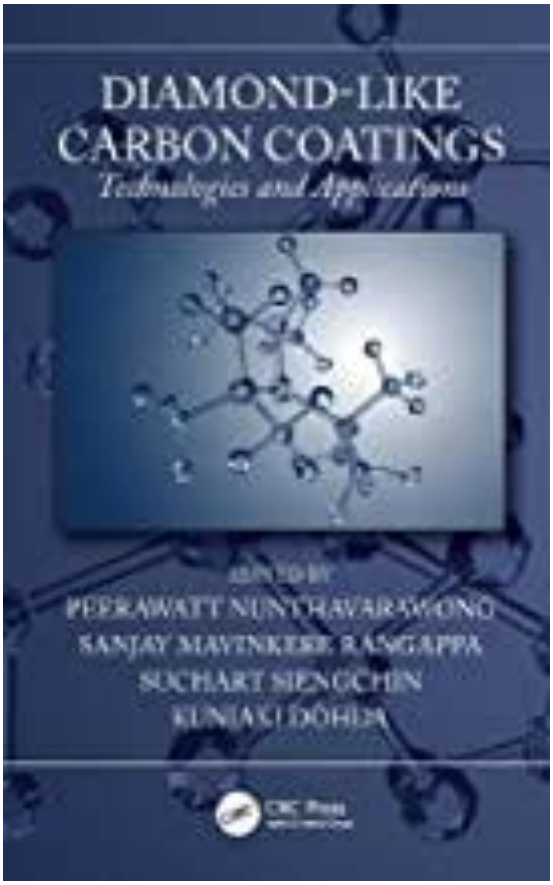
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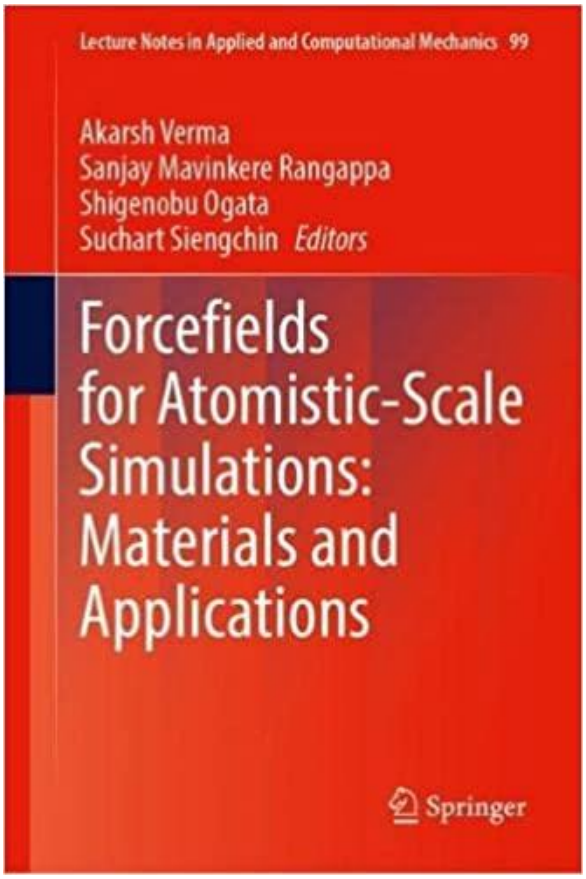
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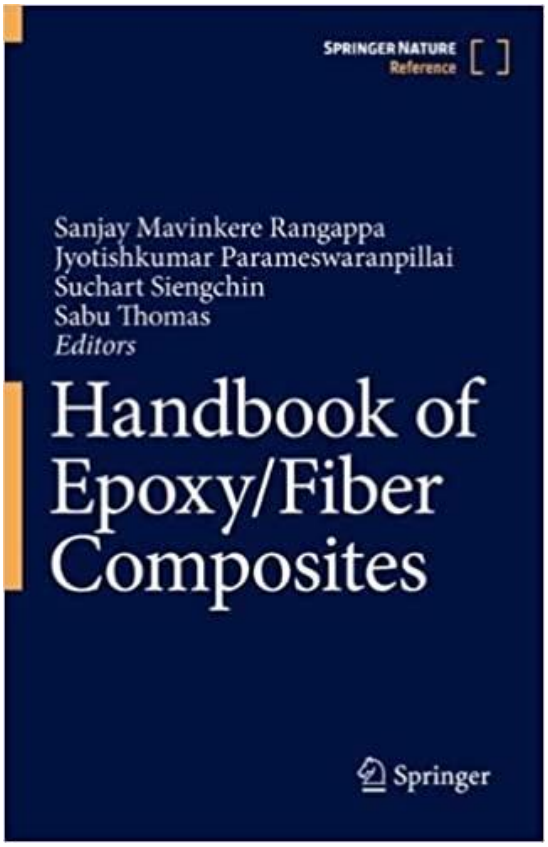
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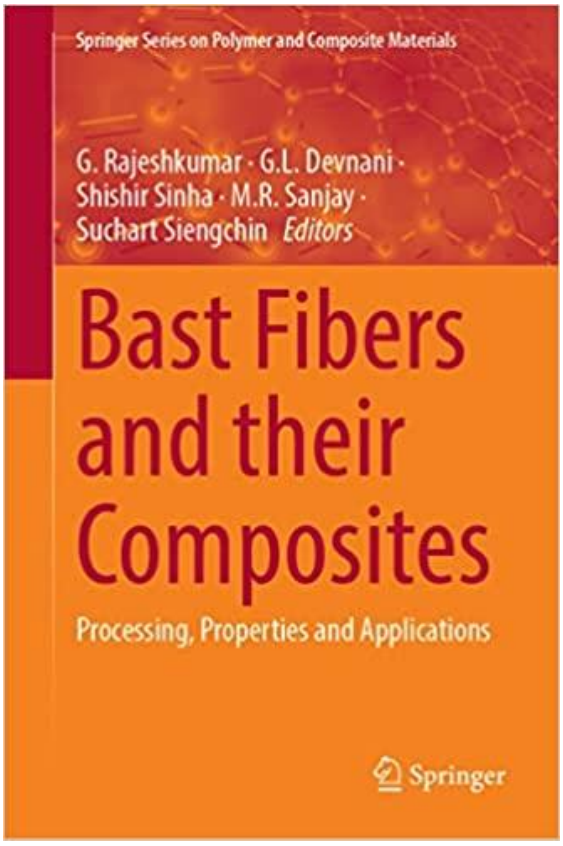
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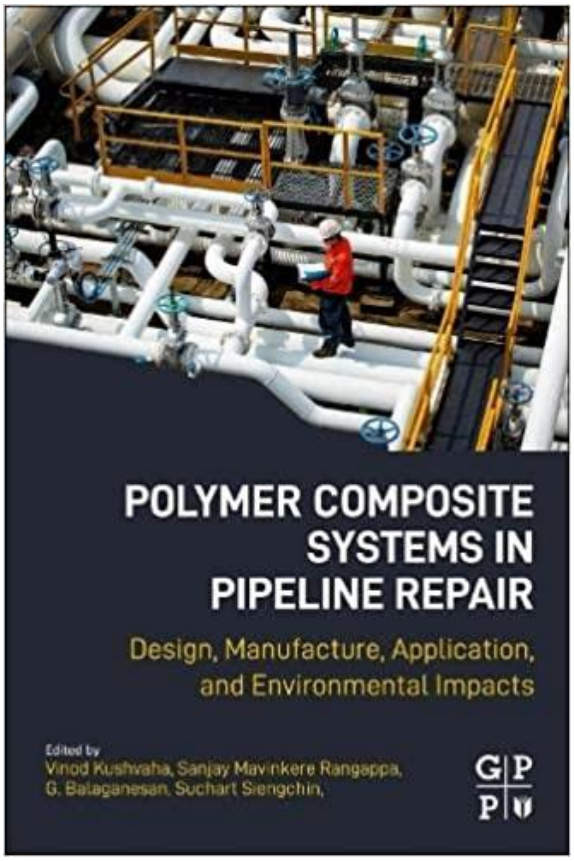
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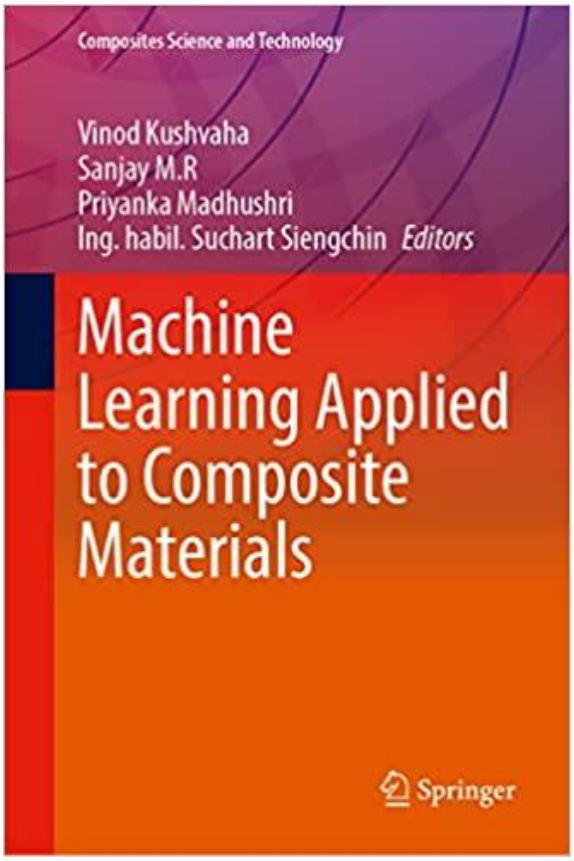
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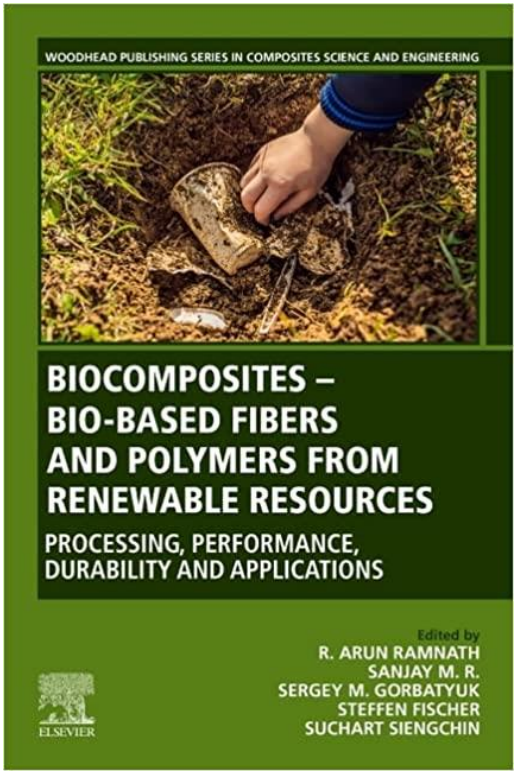
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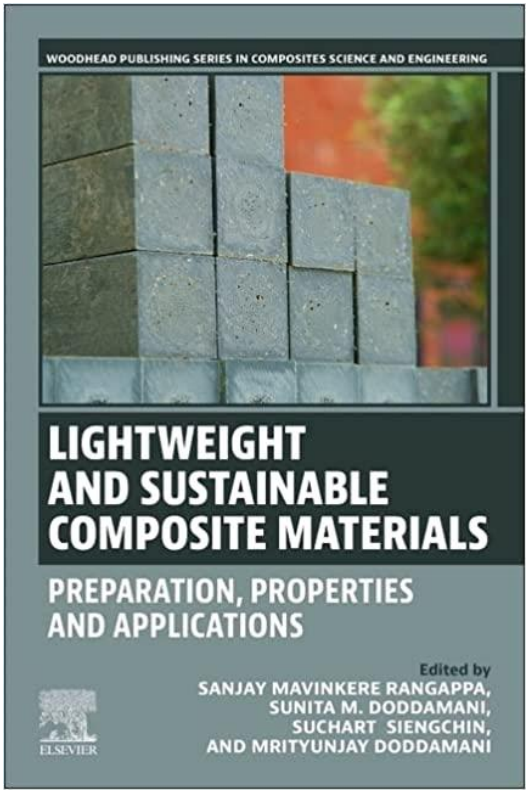
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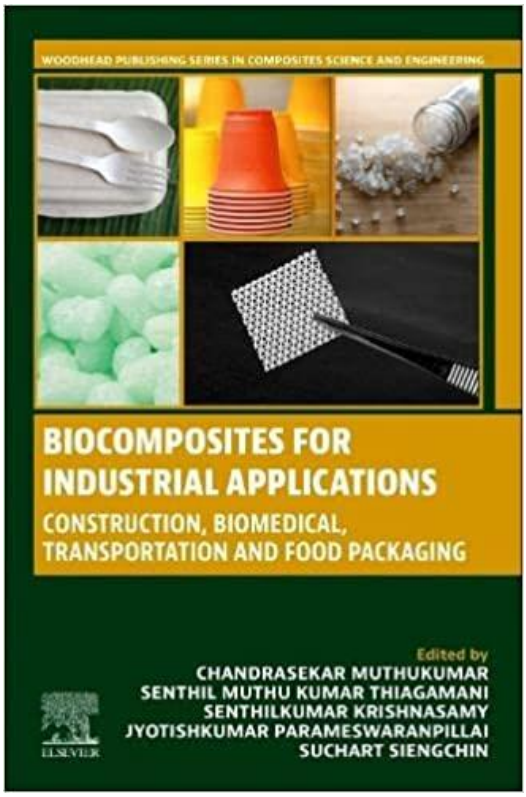
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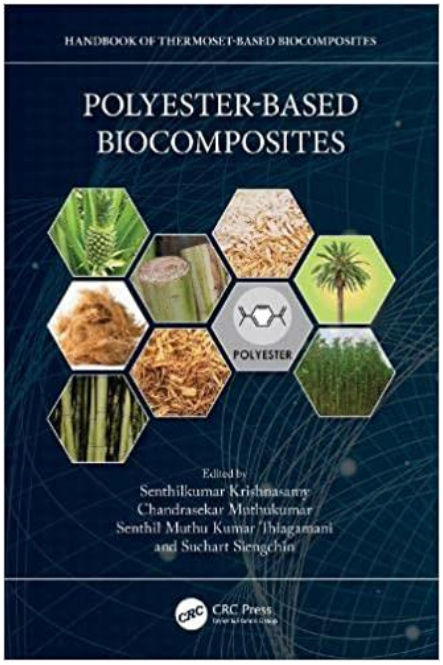
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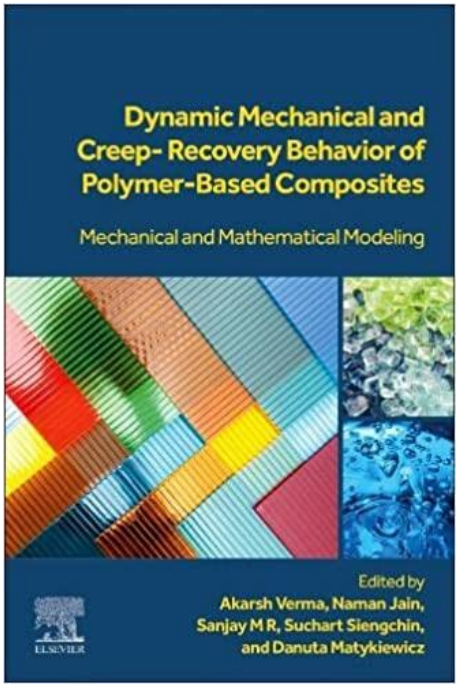
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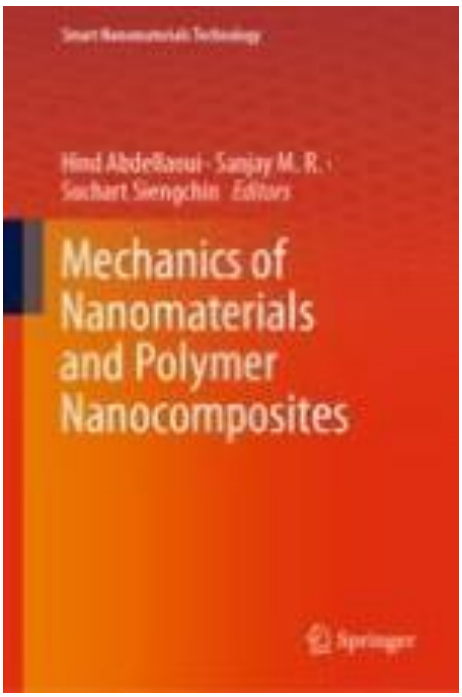
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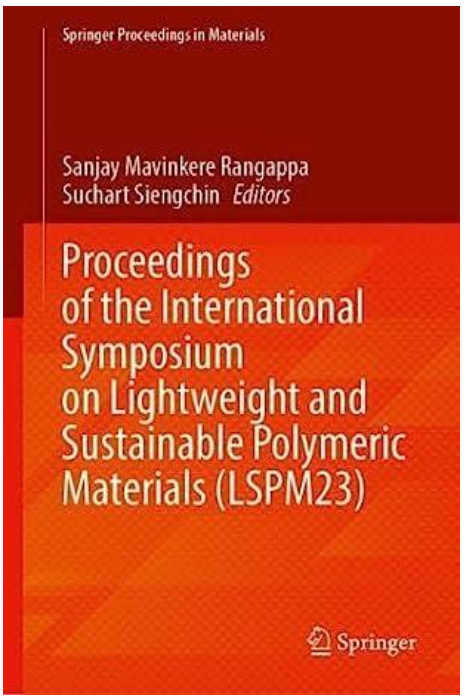
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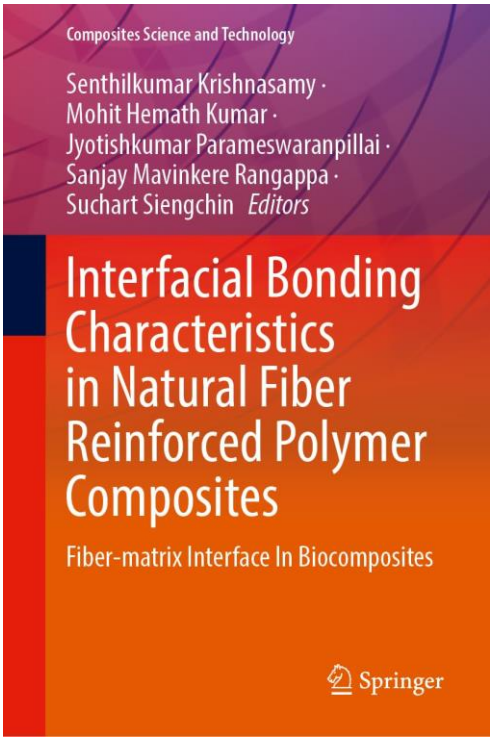
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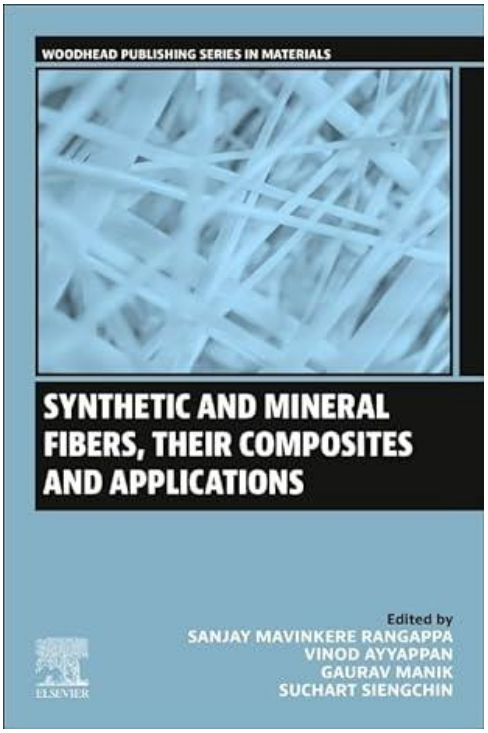
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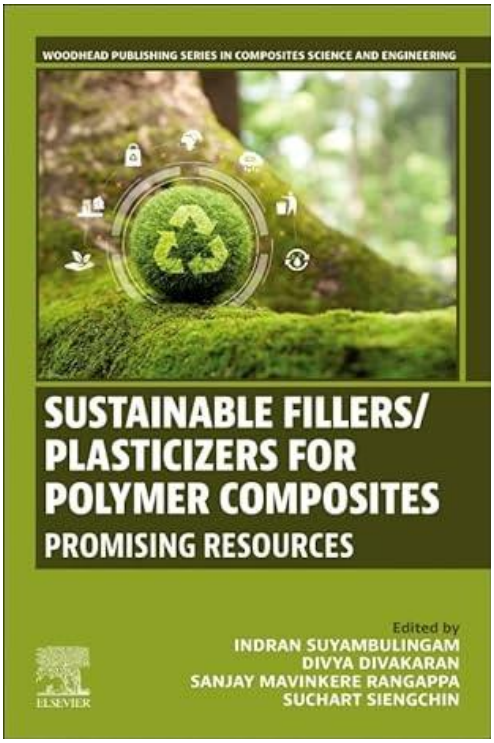
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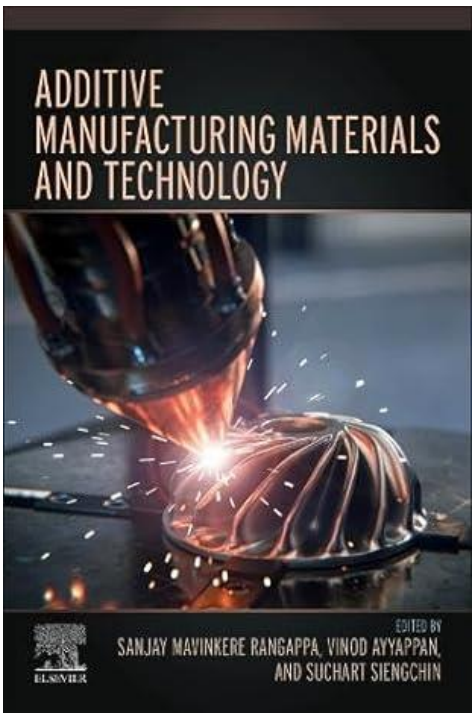
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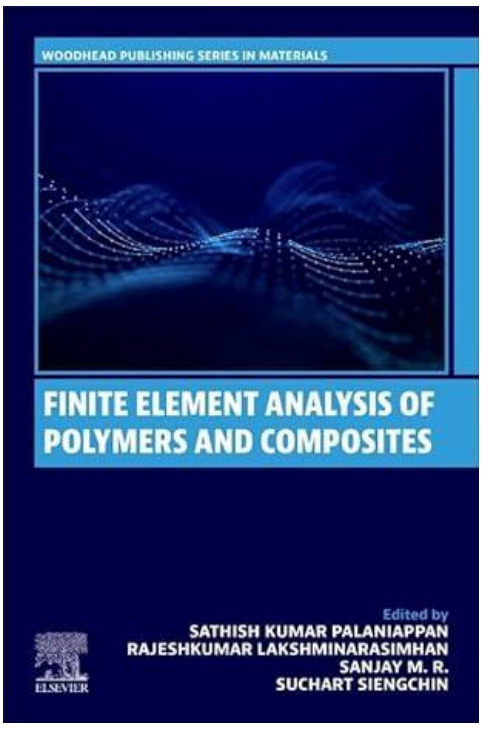
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- International Journal Reviewer, Journal of Thermoplastic Composite Materials
- International Journal Reviewer, Express Polymer Letters
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- International Journal Reviewer, Polymer Composites
- International Journal Reviewer, Polymer Engineering and Science
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- International Journal Reviewer, Journal of Reinforced Plastics and Composites
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[2] อุดม อัศวาภิรมย์, จารุวรรณ จูฑะมงคล, จิตาภา สำราญจิตต์, วรล อินทะสันตา, สุพิชชา ปัญญาวงค์, สุชาติ เชี่ยงฉิน ***เรื่อง The Title of "กรรมวิธีการปรับปรุงคุณสมบัติความคงทนต่อความร้อนของสีสกัดจากธรรมชาติกลุ่มละลายน้ำได้"*** (Ref. No./Application No. 1601003776, Patent No. 162165)

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[4] สุชาติ เชี่ยงฉิน และคณะ ***เรื่อง The Title of สูตรส่วนผสมวัสดุเชิงประกอบ พอลิแลกติกเอซิด (Polylactic acid, PLA) และกรรมวิธีการผลิต*** (Patent No. 16666)

[5] สุชาติ เชี่ยงฉิน และคณะ เรื่อง ***The Title of สูตรสารเคมีในกระบวนการชุบโลหะทองแดงแบบไม่ใช้ไฟฟ้า (Electroless copper platting) กับวัสดุเชิงประกอบ พอลิแลกติกเอซิด (Polylactic acid, PLA) และกรรมวิธีการผลิต*** (Ref. No./Application No. 1803001448, Patent No. 17240)

[6] สุชาติ เชี่ยงฉิน และคณะ เรื่อง ***The Title of กรรมวิธีการผลิตผงเปลือกไข่เคลือบอนุภาคเงินนาโนเมตรสำหรับผลิตภัณฑ์ทำความสะอาดยับยั้งเชื้อแบคทีเรียในครัวเรือน*** (Ref. No./Application No. 1903001589, Patent No. 17909)

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[8] ยื่นขออนุสิทธิบัตร ***The Title of สูตรผ้าฝ้ายเคลือบผงขมิ้นต้านแบคทีเรียและกรรมวิธีการผลิต*** (Ref. No./Application No.1803001275)

[9] ยื่นขออนุสิทธิบัตร ***The Title of สูตรส่วนผสมของวัสดุเชิงประกอบและกรรมวิธีการผลิตสำหรับแผงข้างประตูรถยนต์*** (Ref. No./Application No. 1903000880)

[10] ยื่นขออนุสิทธิบัตร ***The Title of กรรมวิธีการผลิตผงเปลือกไข่เคลือบอนุภาคทองแดงนาโนเมตรสำหรับผลิตภัณฑ์ทำความสะอาดยับยั้งเชื้อแบคทีเรียในครัวเรือน*** (Ref. No./Application No.1903001590)

[11] Patent, Mr. H. Mohit, Dr. G. Hemath Kumar, Mr. H. Babu Vishwanath, Dr. Sanjay Mavinkere Rangappa, Dr. ing. Habil. Suchart Siengchin, and Dr. Arpita G R***, The Title of Development of car bumper material utilizing sugarcane nanocellulose, dry leaves fiber, glass fiber and Al-SiCNP reinforced hybrid polymer composites*** (India, Ref. No./Application No. 201941027153)

[12] Patent, Dr. H. Mohit, Dr. G. Hemath Kumar, Dr. V. Arul Mozhi Selvan, Dr. Sanjay Mavinkere Rangappa, Dr.-ing. habil. Suchart Siengchin, and Dr. P. Madhu***, The Title of Development of tool box material from hybrid composites reinforced with NC, NDL, NK, GF and NP-MMC*** (India, Ref. No./Application No. 201941045139)

[13] Patent, Mr. Madhu P, Dr. Sanjay M R, Dr. Pradeep S, Dr. H Mohit, Dr. Yogesha B, and Dr.-Ing. habil. Suchart Siengchin, ***The Title of DEVELOPMENT OF HYBRID POLYMER COMPOSITES REINFORCED WITH PROSOPIS JULIFLORA BARK FIBERS, PHOENIX PUSILLA LEAF FIBERS, GLASS FABRICS AND CARBON FABRICS*** (India, Ref. No./Application No. 202041000392)

[14] Patent, ***The Title of Formulation and methodology of hybrid bio-based composites for interior car door panel Design,*** (India, Ref. No./Application No. 1903000880, filed on 09.04.2019).

Design

[1] India ***The Title of Mobile stand***, Application No. 331078-001, Status Examination Report has been Generated, Case is waiting for examination report reply, Design nr.: 331094-001, The Patent Office Journal No. 07/2021.

[2] ***The Title of Advertising Board***, Application No. 338338-001, Status Examination Report has been Generated, Case is waiting for examination report reply (FER generated on 30.01.2021).