



ศาสตราจารย์ ดร.สุชาติ เชียงฉิน

Prof. Dr.-Ing. habil. Suchart Siengchin

อธิการบดี

### ประวัติการศึกษา

คุณวุฒิ	สถานศึกษา
- Habilitation (Mechanical Engineering)	Chemnitz University, GERMANY
- Guest Researcher	Kaiserslautern University, GERMANY
- Postdoctoral	Purdue University, USA
- Postdoctoral	Kaiserslautern University, GERMANY
- Dr.-Ing. (Mechanical and Process Engineering)	Kaiserslautern University, GERMANY
- M.Sc. (Material Science)	Erlangen-Nuernberg University, GERMANY
- M.Sc. (Polymer Technology)	University of Applied Sciences Aalen, GERMANY
- Dipl.-Ing. (Mechanical Engineering)	University of Applied Sciences Giessen/Friedberg, GERMANY
- Studienkolleg	University of Applied Sciences Giessen/Friedberg, GERMANY

### ประวัติการฝึกอบรม

- ผ่านการอบรม “หลักสูตรสมรรถนะวิชาชีพครู รุ่นที่ 4” ระหว่างวันที่ 30-31 สิงหาคม 2553 ณ หอประชุมเบญจรัตน์ อาคารนวมินทร์ราชินี มหาวิทยาลัยเทคโนโลยี พระจอมเกล้าพระนครเหนือ
- ผ่านการอบรม “โครงการพัฒนาสมรรถนะผู้บริหารมหาวิทยาลัย รุ่นที่ 4” ระหว่างวันที่ 4-15 มีนาคม 2556 ณ สถาบันบัณฑิตพัฒนบริหารศาสตร์ (นิด้า)
- ผ่านการอบรม “หลักสูตรการพัฒนาผู้บริหารมหาวิทยาลัยระดับสูง รุ่นที่ 24” ระหว่างวันที่ 20 มีนาคม -16 พฤษภาคม 2556 จัดโดย สำนักงานคณะกรรมการการอุดมศึกษา
- ผ่านการอบรม “หลักสูตรผู้บริหารระดับสูงของประเทศไทย รุ่นที่ 1” จัดโดย สถาบัน Cnaan Global Leadership Training Center ระหว่างวันที่ 11-20 ตุลาคม 2556 ณ สาธารณรัฐเกาหลี
- ผ่านการอบรม “หลักสูตรนักบริหารการงบประมาณระดับสูง (นงส.) รุ่นที่ 3”
- ผ่านการอบรม “หลักสูตร ASEAN-QA HIGH LEVEL VISIT” in Postdam, Germany

- ผ่านการอบรม “หลักสูตรมหานคร รุ่นที่ 6”
- ผ่านการอบรม “หลักสูตรนักบริหารยุทธศาสตร์การป้องกันและปราบปรามการทุจริตระดับสูง” นยปส.รุ่นที่ 11”
- ผ่านการอบรม “หลักสูตร ANTI-CORRUPTION TRAINING PROGRAMME, IACA, VIENNA/LAXEMBURG, AUSTRIA”

#### ตำแหน่งหน้าที่สำคัญในอดีต

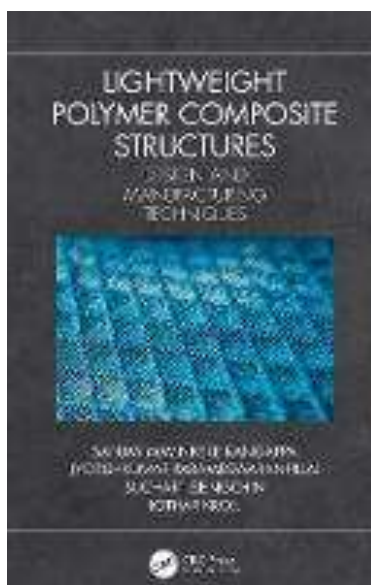
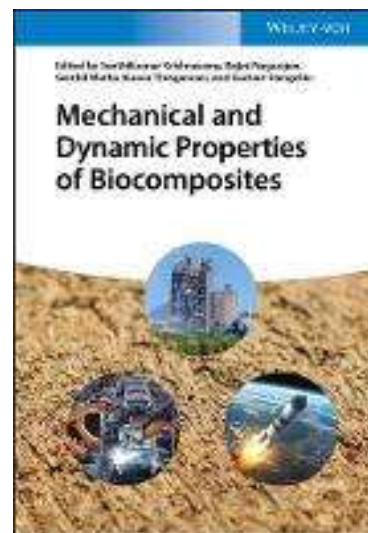
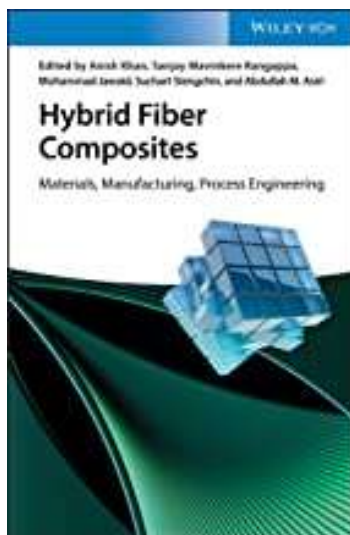
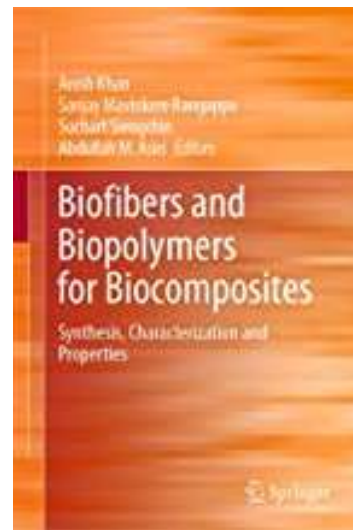
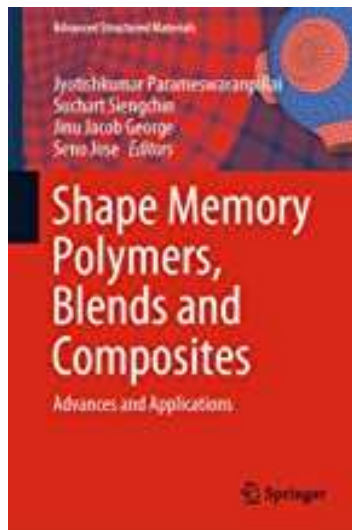
- รองอธิการบดีฝ่ายวิจัยและส่งเสริมวิชาการ
- ศาสตราจารย์ สาขาวิศวกรรมวัสดุศาสตร์ สังกัดภาควิชาวิศวกรรมการผลิต บัณฑิตวิทยาลัย วิศวกรรมศาสตร์นานาชาติสิรินธรไทย-เยอรมัน (TGGS) ตามหลักเกณฑ์และวิธีการที่กำหนดของประเทศไทย
- ศาสตราจารย์(หรือเทียบเท่า-Privatdozent) สาขาวิศวกรรมเครื่องกล (Habilitation in Mechanical Engineering) สังกัด Chemnitz University, GERMANY ตามหลักเกณฑ์และวิธีการที่กำหนดของประเทศเยอรมนี
- รองศาสตราจารย์ (วิธีพิเศษ) สาขาวิศวกรรมวัสดุศาสตร์ สังกัดภาควิชาวิศวกรรมการผลิต บัณฑิตวิทยาลัยวิศวกรรมศาสตร์นานาชาติสิรินธรไทย-เยอรมัน (TGGS)
- ผู้ช่วยศาสตราจารย์ สาขาวิศวกรรมวัสดุศาสตร์ สังกัดภาควิชาวิศวกรรมการผลิต บัณฑิตวิทยาลัยวิศวกรรมศาสตร์นานาชาติสิรินธร ไทย-เยอรมัน
- รองผู้อำนวยการบัณฑิตวิทยาลัยวิศวกรรมศาสตร์นานาชาติสิรินธรไทย-เยอรมัน (TGGS)
- ผู้ประสานงานหลักสูตรวิศวกรรมการผลิต บัณฑิตวิทยาลัยวิศวกรรมศาสตร์นานาชาติสิรินธร ไทย-เยอรมัน
- Guest Researcher at the Institute for Composite Materials, University of Kaiserslautern, GERMANY
- Engineer at BMW
- Assistance Researcher at the Plastics Engineering Department, University of Applied Sciences Aalen, GERMANY

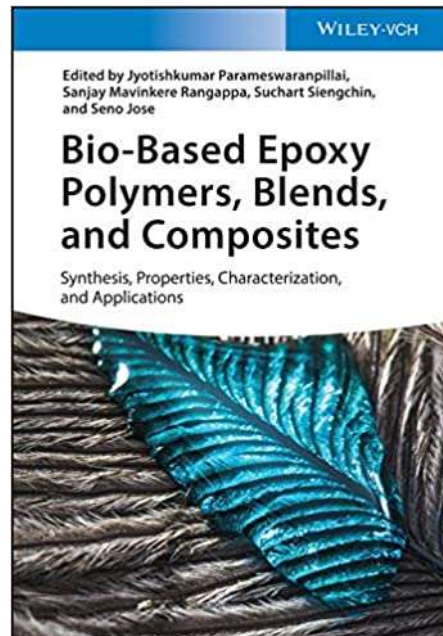
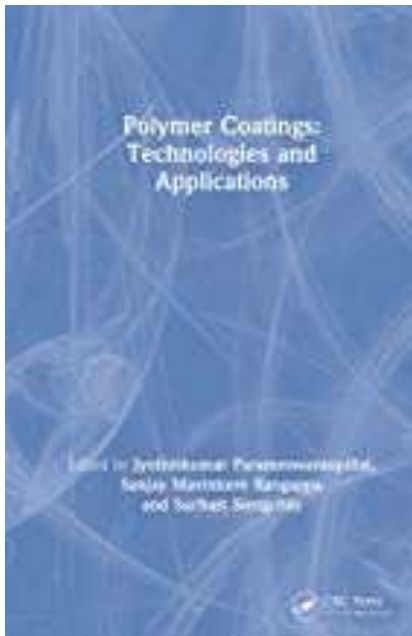
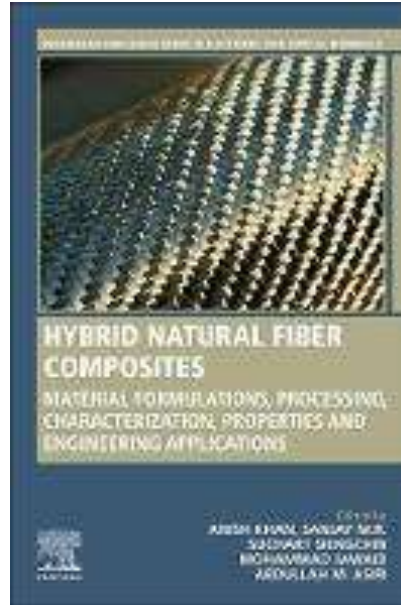
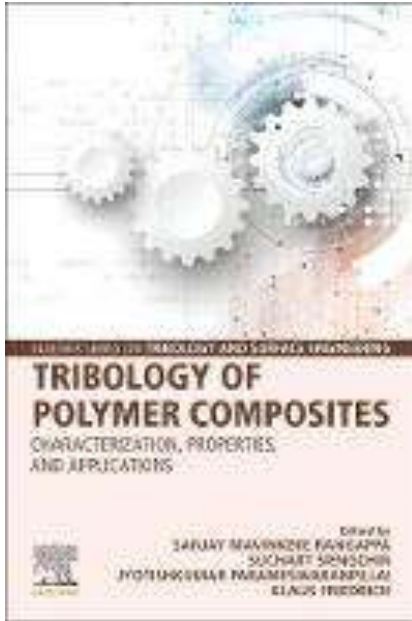
#### ผลงานด้านวิชาการและวิจัย

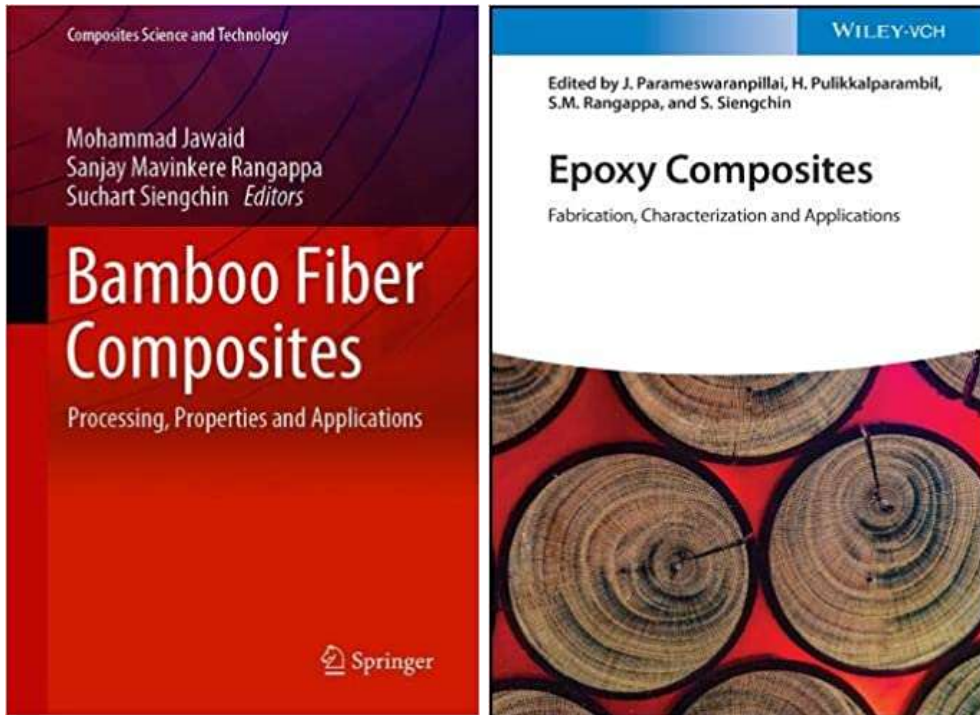
- หนังสือ/ตำราที่แต่งและเรียบเรียง 87 เรื่อง
- มีผลงานประชุมวิชาการ จำนวน 47 เรื่อง และผลงานวิจัยนานาชาติตีพิมพ์ใน International Journals จำนวน 233 เรื่อง
- มีงานบริการวิชาการให้กับสังคมจำนวน 12 เรื่อง
- อนุสิทธิบัตร (Patent) 3 โครงการ และกำลังขออนุสิทธิบัตรอีก 12 โครงการ

รางวัลเกียรติยศระดับชาติ ที่ได้รับ 12 รางวัล

1. รางวัลทุนวิจัย Deutcher Akademisher Austauschdienst (DAAD) Master Thesis scholarships (พ.ศ. 2542)
2. รางวัลทุนวิจัย Deutsche Forschungsgemeinschaft, DFG (German Research Foundation) Research Training Groups:2005 –2008 (พ.ศ. 2548)
3. รางวัลทุนวิจัย DAAD/IKYDA program, Deutcher Akademisher Austauschdienst (DAAD) and Greek State Institute of Scholarships (IKY) Research trip: University of Patras, Department of Materials Science (พ.ศ. 2549)
4. รางวัลทุนวิจัย DAAD/IKYDA program, Deutcher Akademisher Austauschdienst (DAAD) and Greek State Institute of Scholarships (IKY) Research trip: University of Patras, Department of Materials Science (พ.ศ. 2550)
5. รางวัลทุนวิจัย DAAD/IKYDA program, Deutcher Akademisher Austauschdienst (DAAD) and Greek State Institute of Scholarships (IKY) Research trip: University of Patras, Department of Materials Science (พ.ศ. 2551)
6. รางวัล Poster Outstanding Award 2014 ในงานประชุมวิชาการระดับนานาชาติ “14<sup>th</sup> International Conference on Mechanics of Composite Materials” ระหว่างวันที่ 2-6 มิถุนายน 2557 ณ Riga, Latvia
7. รางวัลชนะเลิศนักวิจัยดีเด่นของมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ ซึ่งมีผลงานวิจัยตีพิมพ์ในวารสารระดับนานาชาติ ที่อยู่ในฐานข้อมูล ISI ซึ่งมีคะแนนรวมจำนวนการตีพิมพ์สูงสุด ประจำปี พ.ศ. 2553
8. รางวัลชนะเลิศนักวิจัยดีเด่นของมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ ประเภทผลงานวิจัยตีพิมพ์ในวารสารระดับนานาชาติที่อยู่ในฐานข้อมูล ISI ซึ่งมีคะแนนรวมจำนวนการตีพิมพ์สูงสุด ประจำปี พ.ศ. 2555
9. รางวัลชนะเลิศนักวิจัยดีเด่นของมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ ประเภทผลงานวิจัยตีพิมพ์ในวารสารระดับนานาชาติที่อยู่ในฐานข้อมูล ISI ซึ่งมีคะแนนรวมจำนวนการตีพิมพ์สูงสุด และรางวัลคะแนนรวมผลงานที่ยอมรับระดับสากลสูงสุดประจำปี พ.ศ. 2556
10. รางวัลวิจัยระดับดีมาก (ร่วมกับ ผศ.ดร.ระพีพันธ์ แดงตันกี) ในการประชุมใหญ่โครงการส่งเสริมการวิจัยในอุดมศึกษา ครั้งที่ 3 HERP CONGRESS III ระหว่างวันที่ 9-11 มีนาคม 2558 ณ มหาวิทยาลัยราชภัฏนครศรีธรรมราช
11. อนุสิทธิบัตร (ร่วมกับ ผศ.ดร.ระพีพันธ์ แดงตันกี, นายชัยศิริ กิจเกาสงค์ และนางสาวรพีภรณ์ ศรีสุข) “ถังสกัดเรซินอีพ็อกซีจากซากแผ่นวงจรอิเล็กทรอนิกส์ขนาดย่อมภายใต้สภาวะอุณหภูมิและความดัน” เลขที่คำขอ 1403000781
12. รางวัลอาจารย์ดีเด่น กองทุนเอ็กเซลเลนซ์อุดหนุน ซึ่งคัดเลือกจากนักวิชาการผู้มีความรู้ความสามารถจากมหาวิทยาลัยต่าง ๆ ทั่วประเทศ ประจำปี พ.ศ. 2558
13. รางวัลวิจัยระดับดีมาก จากผลงานวิจัย วัสดุเชิงประกอบพอลิโพรพิลีนและเส้นใยมะพร้าวสำหรับการใช้งานเป็นวัสดุในการก่อสร้าง ในการประชุมใหญ่โครงการส่งเสริมการวิจัยในอุดมศึกษา ครั้งที่ 5 HERP CONGRESS V ระหว่างวันที่ 2-4 มีนาคม 2560 ณ มหาวิทยาลัยราชภัฏอุดรธานี
14. รางวัลนักวิจัยดีเด่นแห่งชาติ ประจำปีงบประมาณ 2564 จากสำนักงานการวิจัยแห่งชาติ (วช.) กระทรวงการอุดมศึกษา วิทยาศาสตร์ วิจัยและนวัตกรรม







## Professional Activities

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- 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

- Internatinal Journal Reviewer, Chemical Engineering Journal
  - Internatinal Journal Reviewer, Progress in Organic Coatings
  - Internatinal Journal Reviewer, Materials Letters
  - Internatinal Journal Reviewer, Journal of Food Engineering
  - Internatinal Journal Reviewer, Journal of Materials Research and Technology
  - Internatinal Journal Reviewer, Polymers for Advanced Technologies
  - Internatinal 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
  - 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
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## PUBLICATION

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### 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, Manufacturing, Process Engineering, **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 Siengchini**: 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.

## Book Chapters

- [1] FRICK A., **SIENCGHIN S.**, ROCHMAN A.: Simulation des Thermoformprozesses von Kunststoffteilen in Frenz, Wehrstedt (Hrsg.): Kennwertermittlung für die Praxis; **WILEY-VCH Verlag, Weinheim** (2003), S.324-327, ISBN:978-352-730-674-9 - Book Chapter)
- [2] **SIENGCHIN S.**: Nano-Scale Reinforcing and Toughening Thermoplastics: Processing, Structure and Mechanical Properties, Chapter 11, **InTech - Open Access Publisher** (2011), ISBN 978-953-307-420-7- Book Chapter)
- [3] **SIENGCHIN S.**: Thermo mechanical analysis and processing of polymer blend, **WILEY-VCH Verlag** (2014), ISBN 978-3-527-33153-6- Book Chapter)
- [4] KARGER-KOCSIS J., **SIENGCHIN S.**: Shape Memory Systems with Biodegradable Polyesters, **WILEY-VCH Verlag** (2015), ISBN: 978-352-733-086-7- Book Chapter)
- [5] SIVARANJANA P., NAGARSJAN E.R., RAJINI N., VARADA RAJULU A., **SIENGCHIN S.**: Green Synthesis of Copper-Reinforced Cellulose Nanocomposites for Packaging Applications, **Springer** (2018), ISBN: 978-3-319-67318-9- Book Chapter)
- [6] SENTHILKUMAR K., SILVA I., RAJINI N., WINOWLIN JAPPES J.T., **SIENGCHIN S.**: Mechanical characteristics of tri-layer eco-friendly polymer composites for interior parts of aerospace application, **Woodhead Publishing, Elsevier** (2018), ISBN: 978-0-08-102131-6- Book Chapter)
- [7] MAYANDI K., RAJINI N., MANOJPRABHAKAR M., **SIENGCHIN S.**, AYRILMIS N.: Recent studies on durability of natural/synthetic fiber reinforced hybrid polymer composites, **Woodhead Publishing, Elsevier** (2018), ISBN: 978-0-08-102290-0- Book Chapter).
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## Report

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**Patent**

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- [3] ระเบียบแห่ง แดงตันกี, สุชาติ เชียงฉิน, ชัยศิริ กิจเภาสงค์, รพีภรณ์ ศรีสุข เรื่อง วิธีการสกัดเรซินอีพ็อกซีจากซากแผ่นวงจรอิเล็กทรอนิกส์ด้วยการใช้ตัวทำละลายร้อนและตัวเร่งปฏิกิริยา และการขึ้นรูป เลขที่ คำขอ 1603000824 เลขที่ อนุสิทธิบัตร 14226
- [4] ยื่นขออนุสิทธิบัตร เรื่อง สูตรผ้าฝ้ายเคลือบผงขี้ผึ้งต้านแบคทีเรียและกรรมวิธีการผลิต เลขที่ คำขอ 1803001275
- [5] ยื่นขออนุสิทธิบัตร เรื่อง สูตรสารเคมีในกระบวนการชุบโลหะทองแดงแบบไม่ใช้ไฟฟ้า (Electroless copper plating) กับวัสดุเชิงประกอบ พอลิแลคติกเอซิด (Polylactic acid, PLA) และกรรมวิธีการผลิต เลขที่ คำขอ 1803001448
- [6] ยื่นขออนุสิทธิบัตร เรื่อง สูตรส่วนผสมวัสดุเชิงประกอบ พอลิแลคติกเอซิด (Polylactic acid, PLA) และกรรมวิธีการผลิต เลขที่ คำขอ 1803001447
- [7] ยื่นขออนุสิทธิบัตร เรื่อง สูตรส่วนผสมของวัสดุเชิงประกอบและกรรมวิธีการผลิตสำหรับแผงข้างประตูรถยนต์ เลขที่ คำขอ 1903000880
- [8] ยื่นขออนุสิทธิบัตร เรื่อง กรรมวิธีการผลิตผงเปลือกไข่เคลือบอนุภาคเงินนาโนเมตรสำหรับผลิตภัณฑ์ทำความสะอาดยับยั้งเชื้อแบคทีเรียในครัวเรือน เลขที่ คำขอ 1903001589
- [9] ยื่นขออนุสิทธิบัตร เรื่อง กรรมวิธีการผลิตผงเปลือกไข่เคลือบอนุภาคทองแดงนาโนเมตรสำหรับผลิตภัณฑ์ทำความสะอาดยับยั้งเชื้อแบคทีเรียในครัวเรือน เลขที่ คำขอ 1903001590
- [10] ยื่นขออนุสิทธิบัตร Patent, India เรื่อง Development of car bumper material utilizing sugarcane nanocellulose, dry leaves fiber, glass fiber and Al-SiCNP reinforced hybrid polymer composites เลขที่ คำขอ Ref. No./Application No. 201941027153 (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)
- [11] ยื่นขออนุสิทธิบัตร Patent, India เรื่อง Development of tool box material from hybrid composites reinforced with NC, NDL, NK, GF and NP-MMC เลขที่ คำขอ Ref. No./Application No. 201941045139 (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)

- [12] ยื่นขออนุสิทธิบัตร Patent, India เรื่อง DEVELOPMENT OF HYBRID POLYMER COMPOSITES REINFORCED WITH PROSOPIS JULIFLORA BARK FIBERS, PHOENIX PUSILLA LEAF FIBERS, GLASS FABRICS AND CARBON FABRICS เลขที่ คำขอ Ref. No./Application No. 202041000392 (Mr. Madhu P, Dr. Sanjay M R, Dr. Pradeep S, Dr. H Mohit, Dr. Yogesha B, and Dr.-Ing. habil. Suchart Siengchin)
- [13] ยื่นขออนุสิทธิบัตร Patent, India เรื่อง Design and Development of micro ball on flat wear testing machine, Application เลขที่ คำขอ Ref. No./Application No. 202041039508 filed on 12th September 2020.
- [14] ยื่นขออนุสิทธิบัตร Patent, India เรื่อง Formulation and methodology of hybrid bio-based composites for interior car door panel Design, Application เลขที่ คำขอ Ref. No./Application No. 1903000880, filed on 09.04.2019.

### **Design**

- [1] ยื่นขอ, India เรื่อง Mobile stand, Application No. 331078-001, Status Examination Report has been Generated, Case is waiting for examination report reply (FER generated on 28.08.2020).