ศาสตราจารย์ ดร.สุชาติ เชี่ยงฉิน

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 อาคารนวมินทรราชินี 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 Canaan 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”

<u>ตำแหน่งหน้าที่สำคัญในอดีต</u>

- รองอธิการบดีฝ่ายวิจัยและส่งเสริมวิชาการ
- ศาสตราจารย์ สาขาวิศวกรรมวัสดุศาสตร์ สังกัดภาควิชาวิศวกรรมการผลิต บัณฑิตวิทยาลัยวิศวกรรมศาสตร์นานาชาติสิรินธรไทย-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

<u>ผลงานด้านวิชาการและวิจัย</u>

- หนังสือ/ตำราที่แต่งและเรียบเรียง 49 เรื่อง
- มีผลงานประชุมวิชาการ จำนวน 47 เรื่อง และผลงานวิจัยนานาชาติตีพิมพ์ใน International Journals จำนวน 193 เรื่อง
- มีงานบริการวิชาการให้กับสังคมจำนวน 12 เรื่อง
- อนุสิทธิบัตร (Patent) 3 โครงการ และกำลังขออนุสิทธิบัตรอีก 9 โครงการ

<u>รางวัลเกียรติยศระดับชาติ ที่ได้รับ 12 รางวัล</u>

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 “14th 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

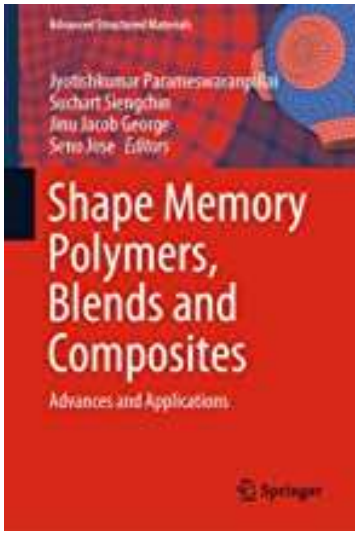
9. รางวัลชนะเลิศนักวิจัยดีเด่นของมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ ประเภทผลงานวิจัยตีพิมพ์ในวารสารระดับนานาชาติที่อยู่ในฐานข้อมูล ISI ซึ่งมีคะแนนรวมจำนวนการตีพิมพ์สูงสุด และรางวัลคะแนนรวมผลงานที่ยอมรับระดับสากลสูงสุดประจำปี พ.ศ. 2556

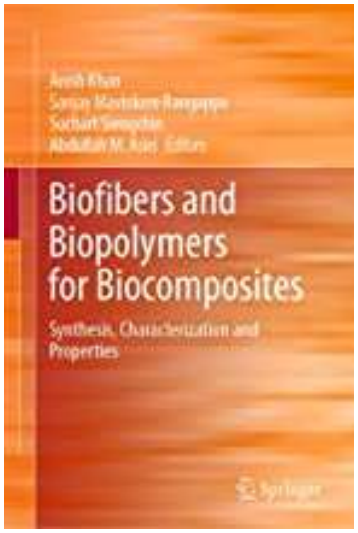
10.รางวัลวิจัยระดับดีมาก (ร่วมกับ ผศ.ดร.ระพีพันธ์ แดงตันกี) ในการประชุมใหญ่โครงการส่งเสริมการวิจัยในอุดมศึกษา ครั้งที่ 3 HERP CONGRESS III ระหว่างวันที่ 9-11 มีนาคม 2558 ณ มหาวิทยาลัยราชภัฏนครศรีธรรมราช

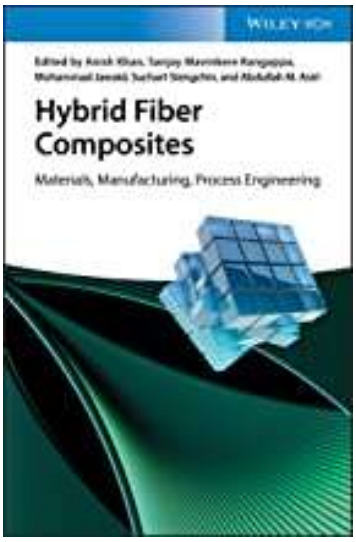
11.อนุสิทธิบัตร (ร่วมกับ ผศ.ดร.ระพีพันธ์ แดงตันกี, นายชัยศิริ กิจเภาสงค์ และนางสาวรพีภรณ์ ศรีสุข) “ถังสกัดเรซินอิพ็อกซีจากซากแผ่นวงจรอิเล็กทรอนิกส์ขนาดย่อมภายใต้สภาวะอุณหภูมิและความดัน” เลขที่คำขอ 1403000781

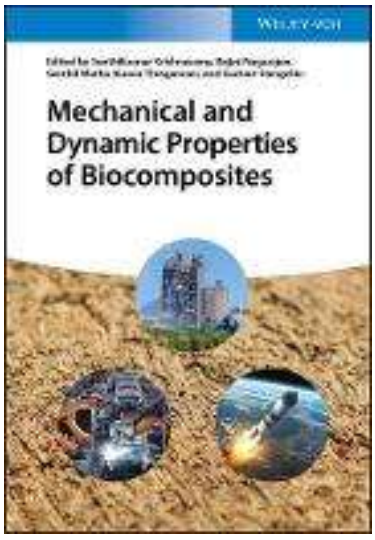
12.รางวัลอาจารย์ดีเด่น กองทุนเอกิ้นเลาเกเซ่นอนุสรณ์ ซึ่งคัดเลือกจากนักวิชาการผู้มีความรู้ความสามารถจากมหาวิทยาลัยต่าง ๆ ทั่วประเทศ ประจำปี พ.ศ. 2558

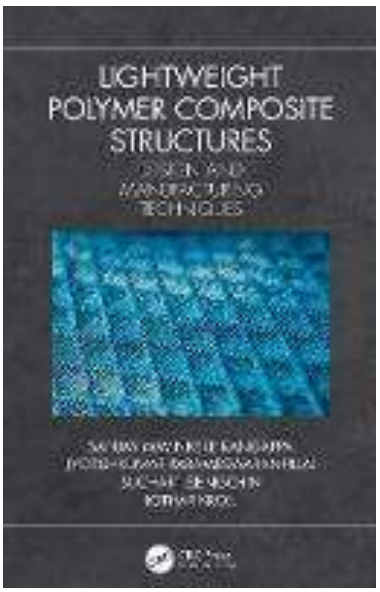
13. รางวัลวิจัยระดับดีมาก จากผลงานวิจัย วัสดุเชิงประกอบพอลิโพรพิลีนและเส้นใยมะพร้าวสำหรับการใช้งานเป็นวัสดุในการก่อสร้าง ในการประชุมใหญ่โครงการส่งเสริมการวิจัยในอุดมศึกษา ครั้งที่ 5 HERP CONGRESS V ระหว่างวันที่ 2-4 มีนาคม 2560 ณ มหาวิทยาลัยราชภัฏอุดรธานี

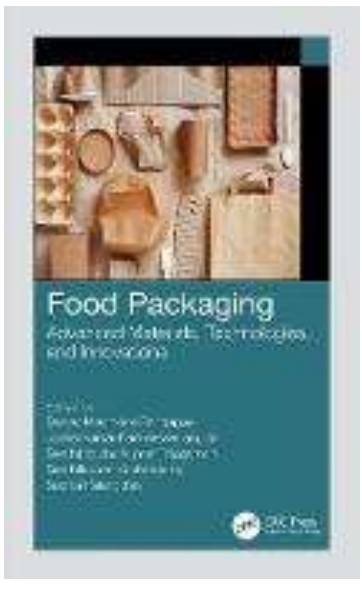

Jyotishkumar Parameswaranpillai
Suchart Siengchin
Jinu Jacob George
Sero Jose Editors
Shape Memory Polymers, Blends and Composites
Advances and Applications
Springer

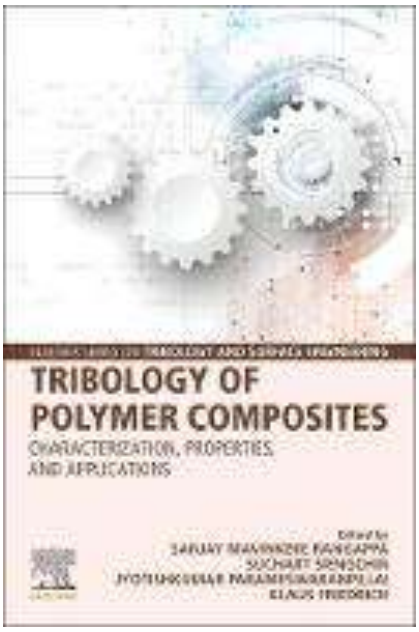

Biofibers and Biopolymers for Biocomposites
Synthesis, Characterization and Properties

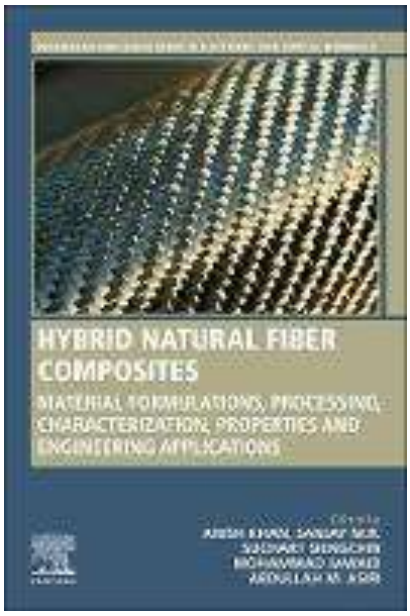

WILEY-VCH
Hybrid Fiber Composites
Materials, Manufacturing, Process Engineering

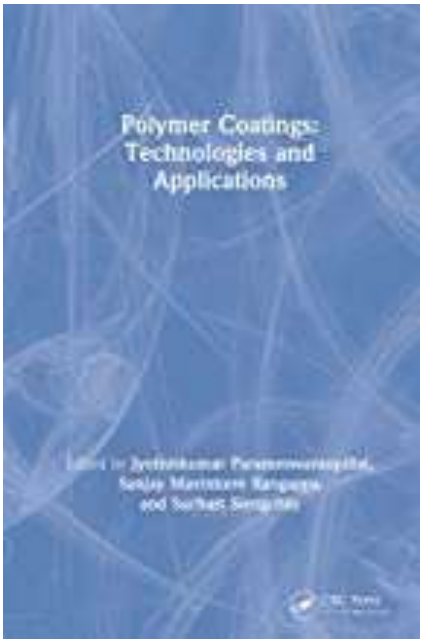

WILEY-VCH
Mechanical and Dynamic Properties of Biocomposites


LIGHTWEIGHT POLYMER COMPOSITE STRUCTURES


Food Packaging


TRIBOLOGY OF
POLYMER COMPOSITES
CHARACTERIZATION, PROPERTIES,
AND APPLICATIONS


HYBRID NATURAL FIBER
COMPOSITES
MATERIAL FORMULATIONS, PROCESSING,
CHARACTERIZATION, PROPERTIES AND
ENGINEERING APPLICATIONS


Polymer Coatings:
Technologies and
Applications

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
- Internatinal Journal Reviewer, Polymer International
- Internatinal Journal Reviewer, Journal of Materials Science
- Internatinal Journal Reviewer, Journal of Natural Fibers
- Internatinal Journal Reviewer, Journal of Biological Macromolecules
- Internatinal Journal Reviewer, Polymers from Renewable Resources
- Internatinal Journal Reviewer, Journal of Engineered Fibers and Fabrics
- Internatinal Journal Reviewer, ACS Applied Materials & Interfaces
- Internatinal Journal Reviewer, Colloids and Surfaces A
- Internatinal Journal Reviewer, Journal of Mechanical and Materials Engineering
- Internatinal Journal Reviewer, Materials Today Communications
- Internatinal Journal Reviewer, Scientific Reports
- Internatinal 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
- 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

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**, Publischer: 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, **Publischer: 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**, Publischer: Wiley-VCH Verlag** 2020, ISBN 978-3527346721

[6] Editors: Sanjay M.R, **Suchart Siengchin**, Jyotishkumar Parameswaranpillai, Klaus Friedrich, Tribology of Polymer Composites, **Publischer: 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, **Publischer: 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, **Publischer: 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**, Publischer: Wiley-VCH Verlag** 2020, ISBN 978-35273-46486

[10] Editors: Anish Khan, Sanjay M.R., **Suchart Siengchin** and Mohammed Jawaid, Hybrid Natural Fiber Composites, **Publischer: 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**, Publischer: Wiley-VCH Verlag** 2021, ISBN 978-3527346264

[12] Editors: Jyotishkumar Parameswaranpillai, Sanjay Mavinkere Rangappa and **Suchart Siengchin**, Polymer Coatings: Technologies and Applications, **Publischer: CRC Press** 2020, ISBN 978-03671-89211

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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[2] อุดม อัศวาภิรมย์, จารุวรรณ จูฑะมงคล, จิตาภา สำราญจิตต์, วรล อินทะสันตา, สุพิชชา ปัญญาวงค์, สุชาติ เซี่ยงฉิน เรื่อง” กรรมวิธีการปรับปรุงคุณสมบัติความคงทนต่อความร้อนของสีสกัดจากธรรมชาติกลุ่มละลายน้ำได้” เลขที่ คำขอ 1601003776 เลขที่ อนุสิทธิบัตร 162165

[3] ระพีพันธ์ แดงตันกี, สุชาติ เซี่ยงฉิน, ชัยศิริ กิจเภาสงค์, รพีภรณ์ ศรีสุข เรื่อง วิธีการสกัดเรซินอิพ็อกซีจากซากแผ่นวงจรอิแล็กทรอนิกส์ด้วยการใช้ตัวทำละลายร้อนและตัวเร่งปฏิกิริยา และการขึ้นรูป เลขที่ คำขอ 1603000824 เลขที่ อนุสิทธิบัตร 14226

[4] ยื่นขออนุสิทธิบัตร เรื่อง สูตรผ้าฝ้ายเคลือบผงขมิ้นต้านแบคทีเรียและกรรมวิธีการผลิต เลขที่ คำขอ 1803001275

[5] ยื่นขออนุสิทธิบัตร เรื่อง สูตรสารเคมีในกระบวนการชุบโลหะทองแดงแบบไม่ใช้ไฟฟ้า (Electroless copper platting) กับวัสดุเชิงประกอบ พอลิแลกติกเอซิด (Polylactic acid, PLA) และกรรมวิธีการผลิต เลขที่ คำขอ 1803001448

[6] ยื่นขออนุสิทธิบัตร เรื่อง สูตรส่วนผสมวัสดุเชิงประกอบ พอลิแลกติกเอซิด (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)