

Prof Chithirai Pon Selvan

Director of Research & Head of School – Science and Engineering, Curtin University Dubai

Globally recognised academic leader with over 25 years of experience in engineering education, research, and academic governance. Renowned for sustainability-driven leadership, interdisciplinary research excellence, and a strong commitment to advancing higher education in the UAE. Demonstrates a consistent record of aligning academic initiatives with Curtin University's global impact and strategic values.

✉ pon.selvan@curtindubai.ac.ae

☎ +971-502857651

🌐 <https://www.linkedin.com/in/profpon/>



CORE COMPETENCIES



EDUCATION

2020

Postdoctoral Fellowship
(Mechanical Engineering),
Lincoln University, Malaysia

2013

Ph.D. (Mechanical
Engineering), Karpagam
University, India

2004

M.E. (Computer Aided
Design), Anna University,
India

1996

B.E. (Production
Engineering), Madras
University, India



PERSONAL DETAILS

Address: 111, Mazaya 10B, Liwan, Dubai, UAE

Languages Known: English, Tamil & Malayalam

Date of Birth: 24 April 1975

Visa: UAE Golden Visa



PROFILE SUMMARY

- Over 25 years of experience in engineering education and academic leadership, including 17+ years in the UAE's higher education sector.
- Founding faculty member instrumental in launching engineering programs at Curtin University, Amity University, and Manipal University in Dubai.
- Honoured as an International Visiting Professor by several institutions, delivering lectures and fostering academic collaborations.
- Published over 175 peer-reviewed research papers in prestigious journals.
- Delivered 100+ keynote addresses and invited talks at prestigious forums and international conferences across 16 countries.
- Formed the Industry Advisory Board (IAB) and established multiple professional society student chapters at Curtin University Dubai, including ASHRAE, CIBSE, EI, ASQ, ASME, IEEE, and Engineers Australia.
- Delivered 75+ engineering outreach initiatives through Curtin Dubai's Immersion Programs, Curtin Comes to You, Summer Camps, etc.
- Contributed expertise to various academic, government, industry, and professional advisory panels.
- Recognised by the United Nations as a "Climate Champion," with certifications in sustainable development, e-waste, green trade, and food security from the United Nations Institute for Training and Research (UNITR).
- Served on Boards of Studies and academic committees across multiple universities, contributing to academic policy and curriculum development.
- Honoured with multiple national and international awards for teaching excellence, research innovation, and sustainability leadership.



CAREER TIMELINE

Curtin University Dubai, UAE

Professor & Head of School – Science & Engineering, Feb 2023 – Present

Director – Research, May 2022 – Present

Associate Professor & Head of School – Science and Engineering, Jul 2018 – Jan 2023

Amity University Dubai, UAE

Associate Professor – Mechanical Engineering & Head of Industry Relations – Engineering, Nov 2015 – Jun 2018

Manipal University Dubai, UAE

Associate Professor & Program Coordinator – Mechanical Engineering & Mechatronics Engineering, Sep 2008 – Oct 2015

Placement Coordinator – Engineering, Sep 2008 – Oct 2015

Toc H Institute of Science & Technology, Cochin, India

Assistant Professor – Mechanical Engineering, Jul 2007 – Aug 2008

Saintgits College of Engineering, Kottayam, India

Lecturer – Mechanical Engineering, Jul 2006 – Jun 2007

Mahendra Engineering College, Salem, India

Lecturer – Mechanical Engineering, Jan 2005 – May 2006

Adhiyamaan Educational and Research Institutions, Hosur, India

Lecturer – Mechanical Engineering, Aug 1998 – Jan 2005

VAS Engineering, Chennai, India

TEACHING & LEARNING

UNITS TAUGHT

- | | | |
|---------------------------------------|--|--|
| • Engineering Graphics | • Engineering Mechanics | • Mechanics of Solids |
| • Fluid Mechanics | • Hydraulic Machines | • Fluid Power Systems |
| • Machine Shop Technology | • Strength of Materials | • Manufacturing Processes |
| • Mechanical Engineering Sciences | • Metallurgy & Material Science | • Integrated Engineering Design |
| • Composite Materials | • Design of Machine Elements | • Machine Design |
| • Engineering Sustainable Development | • Engineering: Connecting Past, Present and Future | • Resources, Processes, and Materials Engineering |
| • Automobile Technology | • Production Techniques | • Computer-Aided Design |
| • Engineering Design Optimization | • Engineering Connections | • Advanced Manufacturing Techniques |
| • Professional Engineering Practice | • Engineering Foundations: Design and Processes | • Mechanical Engineering Research Projects |
| • Unconventional Machining Processes | • Engineering Foundations: Principles & Communications | • Advanced Material Science: Theory & Applications |
| • Concurrent Engineering | • Basic Workshop Practice Laboratory | • Manufacturing Technology Laboratory |
| • Metrology Laboratory | • Material Testing Laboratory | • Machine Tools Laboratory |
| • Fluid Mechanics Laboratory | • CAD laboratory | • Sheet Metal Laboratory |
| • Fluid Power Laboratory | • Foundry Laboratory | • Automobile Laboratory |
| • Press Tools | • Competitive Manufacturing Processes | • Optimization Techniques in Engineering |

ACCOMPLISHMENTS

- ❖ Led the design and delivery of innovative curricula and laboratory content across undergraduate, postgraduate, and certification programs in Engineering.
- ❖ Developed and taught specialised units such as Computer-Aided Design & Manufacturing, Advanced Manufacturing Techniques, Sustainability in the Built Environment, Introduction to Design Thinking etc.
- ❖ Taught over 6,000 students across institutions through undergraduate, postgraduate, and continuing education programs.
- ❖ Supervised 100+ Capstone Projects, many of which received recognition in prestigious competitions including the James Dyson Award, ASHRAE, CIBSE, RTA, DEWA, ADNOC 4x4 Yas Robotic Challenge, UAE National Robotics Competition, and Changemakers Academy Challenge.
- ❖ Published 42+ research papers, with a strong emphasis on research-integrated teaching and active student collaboration.
- ❖ Organised 150+ guest lectures and 100+ industry visits, significantly enriching students' experiential learning.
- ❖ Delivered numerous Faculty Development Programs (FDPs) across institutions to enhance academic and pedagogical capacities.
- ❖ Advocated for learner-centric pedagogy by incorporating creative lesson plans, hands-on learning, individualised strategies, and continuous feedback mechanisms.
- ❖ Recognised as a proactive planner and implementer, instrumental in elevating operational standards, academic quality, and student engagement initiatives.
- ❖ Played a key role in curriculum development, laboratory setup, and faculty development programs at leading UAE universities including Manipal, Amity, and Curtin.
- ❖ Possesses comprehensive experience in applying various methodologies to evaluate and revise curricula for enhanced operational efficiency and learning outcomes.
- ❖ Spearheaded the delivery of diverse Mechanical Engineering units, consistently achieving high-impact teaching outcomes.

AWARDS & RECOGNITIONS

- ❖ Fellow, Curtin Academy – Curtin University, 2024
- ❖ Senior Fellow (SFHEA) – Higher Education Academy, UK, 2022
- ❖ Education Leadership Award – World Education Congress, 2024
- ❖ Curtin Global Award – Outstanding Student-Focused Project, 2022
- ❖ Education Leadership Award – Federation of Economic Development Association, 2024
- ❖ Academic of the Year – Transnational Academic Group, 2021
- ❖ Best Professor in Engineering Studies – Asian Leadership Awards, 2019
- ❖ Excellence in Academics Award – CT University, India, 2019
- ❖ Dr APJ Abdul Kalam International Excellence Award (Education), 2017
- ❖ Teaching Excellence Award – Manipal University Dubai, 2014

RESEARCH & DEVELOPMENT

RESEARCH ACHIEVEMENTS

- ❖ Inaugural Director of Research at Curtin University Dubai, leading strategic research initiatives since May 2022; member of the Curtin Dubai R&D Committee since 2018.
- ❖ Member of the Curtin University Research Committee since 2022.
- ❖ Spearheading the launch of Curtin Dubai's PhD program in the capacity of Director of Graduate Research (DGR).
- ❖ Engaged in over 30 cross-institutional collaborations globally, advancing research and innovation.
- ❖ Led the "Brown Bag Seminar Series" and delivered research sessions across Curtin's global campuses.
- ❖ Approved Level 1 Research Supervisor, guiding Master's and PhD students at Curtin University and other institutions; successfully supervised multiple doctoral candidates.
- ❖ Published over 175 peer-reviewed research papers and presented at more than 50 international academic conferences.
- ❖ Delivered 100+ keynote addresses and invited talks at prestigious forums and global conferences.
- ❖ Organised the annual Inter-University Poster Competition on "Energy Conservation for a Sustainable Future" in partnership with ASHRAE Falcon Chapter since 2021.
- ❖ Supervised 100+ research projects at undergraduate and postgraduate levels.
- ❖ Guided school students in the UAE through structured Research Internship Programs.
- ❖ Supervised Curtin Dubai students who won the Region-at-Large (RAL) Project Competition, organised by ASHRAE in 2020.
- ❖ Guided Curtin Dubai student team to the finals of the Inter-University Student Design Competition, organised by CIBSE in 2021.
- ❖ Guided Curtin Dubai students shortlisted among 212 global teams for The Great Lunar Expedition for Everyone (GLEE) in collaboration with NASA (2022), proposing leaf-sized spacecraft for lunar exploration.
- ❖ Supervised student projects that secured National Runner-Up in the James Dyson Award (2022 and 2023).
- ❖ Mentored a student project on sustainable bacterial cellulose, which won the Changemakers Academy Challenge, organised by the Expo City Dubai Government Foundation, securing AED 50,000 in funding and entry into a year-long incubation program.
- ❖ Mentored early and mid-career researchers, fostering global research excellence and capacity building.

Ongoing Funded Research Projects:

- ❖ ASHRAE-funded study on Phase Change Material (PCM) Solidification
- ❖ Abu Dhabi Ports-funded project on Solar Energy Optimization
- ❖ Changemakers Academy, Expo City Dubai Government Foundation-funded study on Sustainable Bacterial Cellulose
- ❖ Curtin's DVCA-funded iSoLT Project, focusing on the Integration of Virtual Reality (VR) Technology in Teaching
- ❖ Advance HE-funded initiative on Enhancing Student Well-being

Served in Key Roles at International Conferences:

- ❖ Conference Chair, International Conference on Innovation, Sustainability and Applied Sciences (ICISAS 2025) – Curtin University Dubai.
- ❖ Conference Chair, International Conference on Innovation, Sustainability and Applied Sciences (ICISAS 2023) – Curtin University Dubai.
- ❖ Conference Chair, International Conference on Integrated Disciplines for Sustainable Development (ICIDSD) – Scott Christian College & Curtin University Dubai (2023).
- ❖ Conference Chair, 12th World Conference on Applied Science, Engineering and Technology (2018).
- ❖ Convener, International Conference on Accelerators in Materials and Medical Sciences (ICAMMS) – Amity University Dubai (2017).
- ❖ Conference Secretary, International Conference on Solar Power & Energy Harvesting – Amity University Dubai (2016).

RESEARCH AWARDS & RECOGNITIONS

- ❖ Research Excellence Award – Curtin University Dubai, 2020
- ❖ Research Excellence Award – Transnational Academic Group, 2020
- ❖ Curtin Global Award for Sustainability Initiative of the Year – Curtin University, 2023
- ❖ Best Research Paper Awards – Received at 10 International Conferences
- ❖ Alleem Sustainability Researcher Award – Alleem R&D Centre, 2018
- ❖ Distinguished Water Conservation Project Award – Dubai Electricity and Water Authority (DEWA), Government of Dubai, 2018
- ❖ CIBSE Design Award – Chartered Institution of Building Services Engineers (CIBSE), 2019
- ❖ Distinguished Energy Conservation Project Award – Dubai Electricity and Water Authority (DEWA), Government of Dubai, 2021
- ❖ Dubai Award for Sustainable Transport – Road Transport Authority (RTA), Government of Dubai, 2017
- ❖ MakeX Robotics UAE National Championships – 2024 & 2025
- ❖ ADNOC 4x4 Yas in Schools National Championship – 2025

ENGAGEMENT & LEADERSHIP

KEY ACHIEVEMENTS

- ❖ Led the development of strategic partnerships with leading organizations such as Cisco, IEEE, EBARA Pumps, ASHRAE, AD Ports, and the Zayed Foundation, enhancing industry-academic collaboration.
- ❖ Led Curtin Dubai's successful inaugural accreditation by Engineers Australia (EA) under the 2022 Accreditation Management System, and currently preparing for the 2025 reaccreditation.
- ❖ Represented Curtin University as part of the Western Australian delegation at the 2023 UN COP28 Climate Summit in Dubai.
- ❖ Delivered a talk at the UN COP28 Summit in Dubai, addressing global climate leaders on sustainability and engineering-driven climate solutions.
- ❖ Established the Industry Advisory Board (IAB) and multiple professional society student branches and affiliates at Curtin Dubai, including ASHRAE, CIBSE, EI, ASQ, ASME, IEEE, and Engineers Australia.
- ❖ Received IEEE funding to host the "IEEE CIS Summer School on Advancing Sustainability through Computer Vision and AI for Smart Cities".
- ❖ Organised Curtin Dubai's Annual STEM Challenge for 600+ UAE school students annually from 2019 to 2025, promoting STEM education and outreach.
- ❖ Delivered 75+ engineering outreach sessions as part of Curtin Dubai's immersion programs, summer camps, career fairs, and open days.
- ❖ Led school outreach initiative "Curtin Comes to You", engaging over 500 students annually across UAE schools.
- ❖ Conducted solar lamp assembly workshops for students and faculty, promoting sustainability and clean energy awareness.
- ❖ Delivered a keynote session on "Conservation Practices for a Sustainable Future" at the RTA HSE Open Day 2021, Government of Dubai.
- ❖ Actively contributed as a judge, reviewer, and examiner for Scopus-indexed journals, PhD theses, school competitions, and university events globally.
- ❖ Served on academic and government advisory panels, including the "Academia Advisory Forum" and "Expert Advisory Forum" of RTA Dubai, the "Academic Advisory Board" of Al Ghurair University, and the "Energy Meet" of SEWA, Govt. of Sharjah.
- ❖ Serving as Chair of Student Activities for the ASHRAE Falcon Chapter since 2023, overseeing UAE-wide university initiatives.
- ❖ Conferred Senior Member status by the Institute of Electrical and Electronics Engineers (IEEE).
- ❖ Steered efforts in setting up various Engineering Laboratories across UAE Universities including Manipal University, Amity University, and Curtin University.
- ❖ Held various administrative and leadership roles including Chief Superintendent (University Examinations), Program Officer (Red Cross Society), ISO Coordinator, Department Library In-Charge, Timetable Coordinator etc.
- ❖ Mentored students in sustainability campaigns including Earth Hour, Earth Day, World Water Day, World Energy Day, and World Environment Day.
- ❖ Contributed to multiple technical and program committees for international conferences and research events.
- ❖ Championed Curtin's Go Global Strategy as Academic Lead from Curtin Dubai.
- ❖ Demonstrated strategic leadership and active engagement in advancing institutional excellence by enhancing operational standards, fostering academic quality, and driving impactful student engagement initiatives.
- ❖ Served as a judge and external examiner for various school and university-level academic and technical events.

SERVICE AWARDS

- ❖ Education Leadership Award, presented by Mr Durai Vaiko, Member of Parliament (India), in 2025, in recognition of contributions to academic leadership.
- ❖ Prime International Educator Award, conferred in 2024 by Tamil Nadu (India) Government MLAs Ms Tarahai Cuthbert and Mr Sathasivam, honoring global educational impact.
- ❖ Ezhumini Award for Services to Education – Dubai, awarded in 2023 by News 7 Tamil for outstanding service in the field of education.
- ❖ Sustainability Ambassador Award, presented by the Road Transport Authority (RTA), Government of Dubai, and awarded by HH Sheikh Mansour Bin Mohammed Bin Rashid Al Maktoum in 2019 for exemplary commitment to sustainability initiatives.
- ❖ FEDA President's Award presented by Mr Ahmed Al Mahmoud, Strategy Planning Advisor & Government Assessor, and Mr Bader Abdulla Khamis, World Center Advocates & Legal Consultants, Govt of Dubai Legal Affairs Department, UAE.

PROFESSIONAL SOCIETIES

- ❖ Student Branch Advisor, Engineers Australia (EA)
- ❖ Faculty Advisor, Society of Automotive Engineers (SAE)
- ❖ Student Branch Advisor, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
- ❖ Faculty Advisor, American Society for Quality (ASQ)
- ❖ Student Liaison Officer, Institution of Mechanical Engineers (IMechE)
- ❖ Faculty Advisor, Chartered Institution of Building Services Engineers (CIBSE)

- ❖ Student Branch Officer, American Society of Mechanical Engineers (ASME)
- ❖ Student Branch Advisor, Energy Institute (EI)
- ❖ Student Branch Counsellor, Institute of Electrical and Electronics Engineers (IEEE)

ANNEXURE

SELECTED PUBLICATIONS

Journals:

- Nanjundaiah, R. S., Rao, S. S., Praveenkumar, K., Selvan, C. P., Prabhu, T. R., Sahay, S., Manivasagam, G., Shettigar, A., & Patel, G. C. M. (2025). Investigating fretting wear behavior of LPBF processed AlSi10Mg alloy under variable frequency and heat treatment conditions. *Results in Surfaces and Interfaces*, 20, 100611. <https://doi.org/10.1016/j.rsufi.2025.100611>
- Ajith, B. S., Patel, G. C. M., Der, O., Selvan, C. P., Samuel, O. D., Annadurai, S., Thajudeen, K. Y., & Yadav, K. K. (2025). Microwave-assisted transesterification of hybrid *Garcinia gummi-gutta* and *Garcinia indica* oils: Optimization using RSM and meta-heuristic algorithms for high-yield biodiesel production. *Biomass and Bioenergy*, 202, 108223. <https://doi.org/10.1016/j.biombioe.2025.108223>
- Mashetty, S. A., Sampathkumaran, P., Ranjitha, P., Selvan, C. P., Deshpande, S. C., Lakshmikanthan, A., & Patel, M. C. (2025). Investigation on low stress scratching abrasion resistance influencing residual stress in nickel-chromium alloyed iron. *Archives of Foundry Engineering*, 25(2), 157–172. <https://doi.org/10.24425/afe.2025.153806>
- Chandran, N. P., Patel, G. C. M., Chate, G. R., Der, O., & Selvan, C. P. (2025). Multi-input multi-output modeling of anthill clay-bonded sand mold system using artificial neural networks: Forward and reverse predictions. *Engineering Reports*, 7(2), e70224. <https://doi.org/10.1002/eng2.70224>
- Anand, R. V., Magesh, G., Alagiri, I., Brahmam, M. G., Balusamy, B., Selvan, C. P., Alshahrani, H. M., Getahun, M., & Soufiene, B. O. (2025). Design of an improved model using federated learning and LSTM autoencoders for secure and transparent blockchain network transactions. *Scientific Reports*, 15, Article 1615. <https://doi.org/10.1038/s41598-024-83564-4>.
- Nagaraja, M. R., Biswas, W. K., & Selvan, C. P. (2024). Advancements and challenges in solar photovoltaic technologies: Enhancing technical performance for sustainable clean energy – A review. *Solar Energy Advances*, 5, 100084. <https://doi.org/10.1016/j.seja.2024.100084>.
- Devi, M. S., Thangadurai, T. D., Shanmugaraju, S., Selvan, C. P., & Lee, Y. I. (2024). Biomass waste from walnut shell for pollutants removal and energy storage: a review on waste to wealth transformation. *Adsorption*, 30(6), 891-913. <https://doi.org/10.1007/s10450-024-00458-7>
- Syed Mohamed, E., & Chithirai Pon Selvan, M. (2024). Computation Models for Tsunami Wave Propagation using Extended Cellular Automata. *WSEAS Transactions on Environment and Development*, 20, 578-590. <https://doi.org/10.37394/232015.2024.20.55>
- Sahadevan, P., Selvan, C. P., Lakshmikanthan, A., Bhaumik, A., & Cuautle, A. F. (2024). Effect of printing process parameters on tensile strength and wear rate of 17-4PH stainless steel deposited using SLM process. *Frattura ed Integrita Strutturale*, 18(70), 157-176. <https://doi.org/10.3221/IGF-ESIS.70.09>
- Sekar, K.S.V., Gobivel, K., Selvan, C.P., Ashwinkumaran, S., Adithya, D.S.B., Chandrapraban, U., Ragavendar, B.H. (2024). Effects of process parameters on drilling of Magnesium-reinforced with B₄C composite. *Materials Today Proceedings*. 2024. <https://doi.org/10.1016/j.matpr.2024.03.008>
- Vijaysekar, K.S., Gobivel, K., Selvan, C.P., Krishnanand, M., Malarmathi, E., Mohamed Saajid, N., Mohanraj, A. (2024). Investigation into the End-Milling Parameters of Mg/B₄C Metal Matrix Composites. *Engineering Proceedings*. 2024, 61(1), 33. <https://doi.org/10.3390/engproc2024061033>
- Agari, S.R., Lakshmikanthan, A., Selvan, C.P., Sekar, K.S.V. (2024). Improvement in the Machining Processes by Micro-Textured Tools during the Turning Process. *Engineering Proceedings*. 2024, 61, 0. <https://doi.org/10.3390/engproc2024061002>
- Raghu, S., Harti, J.I., Jadhav, P.R., Selvan, M.C.P., Vijaysekar, K.S., Venkatesh, B. (2024). Comparative Study on the Effect of ToolWear on Turning Mild Steel and Stainless Steel with a Ceramic Tool Insert Using Taguchi Method. *Engineering Proceedings*. 2024, 61, 48. <https://doi.org/10.3390/engproc2024061048>

- Nugroho, W.T., Dong, Y., Pramanik, A., Selvan, M.C.P., Zhang, Z., Ramakrishna, S. (2023). Additive manufacturing of re-entrant structures: Well-tailored structures, unique properties, modelling approaches and real applications. *Additive Manufacturing*. 78, 103829. <https://doi.org/10.1016/j.addma.2023.103829>
- Dhanasekar, R., Kumar, S.T., Kumar, K.K., Selvan, M.C.P. (2023). Hot Crack Susceptibility Studies on High-Nitrogen Stainless Steel. *Journal of Materials Engineering and Performance*. <https://doi.org/10.1007/s11665-023-08892-4>
- Selvan, C.P., Girisha, L., Koti, V., Madgule, M., Davanageri, M. P., Lakshmikanthan, A., Pater. M. (2023). Optimization of Stir Casting and Drilling Process Parameters of Hybrid Composites. *Journal of Alloys and Metallurgical Systems*. 3 (2023) 100023. <https://doi.org/10.1016/j.jalms.2023.100023>
- Sahadevan, P., Selvan, C.P., Bhaumik, A., Lakshmikantha, A. (2023). Surface Roughness Optimization of Selective Laser Melting Printed 17-4 PH Stainless Steel Parts. *Journal of Mines, Metals and Fuels*. 71(12):2405-2413. <https://doi.org/10.18311/jmmf/2023/35123>
- Mohamed, S.E., Selvan, C.P.M. (2023). Computational Analysis of Tsunami Wave Behaviour for Three Historical Tsunami Events Using T-Impulse Model. *WSEAS Transactions on Environment and Development*. 19:1357-1370. <https://doi.org/10.37394/232015.2023.19.122>
- Sahadevan, P., Selvan, C.P., Bhaumik, A., Lakshmikantha, A. (2023). Selective Laser Melting Parametric Optimization for Microhardness of 17-4 PH Stainless Steel. *Journal of Mines, Metals and Fuels*. 71(12):2512-2519. <https://doi.org/10.18311/jmmf/2023/35128>
- Sahadevan, P., Selvan, C.P., Patel, M.G.C., Bhaumik, A. (2023). Selective Laser Melting Process Parameter Optimization on Density and Corrosion Resistance of 17-4PH Stainless Steel. *Archives of Foundry Engineering*. 11-2023. <https://doi.org/10.24425/afe.2023.146685>
- Kumar, B.V., Selvan, C.P., Kanna, P.R., Taler, D., Szymkiewicz, M., Taler, J. (2023). Numerical investigation of heat transfer enhancement in solar air heaters using polygonal-shaped ribs and grooves. *Frontiers in Energy Research*. 11-2023. <https://doi.org/10.3389/fenrg.2023.1279225>
- Shankar, V.K., Lakshmikanthan, A., Selvan, C.P., Girish, B.M., Kunar, B.M., Cuautle, J.J.A.F., Ramakrishna, V.K., Malik, V. (2023). Prediction of transient temperature at bit-rock interface using numerical modelling approach and optimization. *International Journal on Interactive Design and Manufacturing*. <https://doi.org/10.1007/s12008-023-01543-x>
- Rafi, S.M., Kumar, T.S., Thankachan, T., Selvan, C.P. (2023). Synergistic Effect of FSP and TiB₂ on Mechanical and Tribological Behavior of AA2024 Surface Composites. *ASME Journal of Tribology*. 145(11), 114501. <https://doi.org/10.1115/1.4062517>.
- Galgali, R. G., Satish, B. M., Girish, B. M., Davanagere, M. B., Girisha, L., Babu, E. R., Reddy, N. C., Selvan, C. P. (2023). Evaluation of Mechanical and Wear Assessment of Al-1.2Si-0.75Fe/Mullite MMCs for Industrial Applications. *Journal of Mines, Metals and Fuels*, 71(12), 2460-2472. <https://doi.org/10.18311/jmmf/2023/35154>
- Reddy, N. C., Girish, B. M., Satish, B. M., Davanagere, M. B., Girisha, L., Babu, E. R., & Selvan, C. P. (2023). Investigation of Mechanical and Wear Behaviour of Al5056-Carbon Nanotube-Graphene Hybrid MMCs using Powder Metallurgy Route. *Journal of Mines, Metals and Fuels*, 71(11), 1906-1918. doi:[10.18311/jmmf/2023/35156](https://doi.org/10.18311/jmmf/2023/35156)
- Anand, P.B., Lakshmikanthan, A., Chandrashekarappa, M.P.G., Selvan, C.P., Pimenov, D.Y., Giasin, K. (2022). Experimental Investigation of Effect of Fiber Length on Mechanical, Wear, and Morphological Behavior of Silane-Treated Pineapple Leaf Fiber Reinforced Polymer Composites. *Fibers*. <https://doi.org/10.3390/fib10070056>
- Selvan, C.P., Sankar, I., Siva, I., Dong, Y. (2023). Synergistic effect of fiber surface treatment and nanoclays on the damping behaviors of polyester composites reinforced with palmyra fruit fibers. *Polymer Bulletin*. <https://doi.org/10.1007/s00289-023-04722-8>
- Suresh, A.B., Selvan, C.P., Vinayaka, N., Chandrashekarappa, M.P.G., Lakshmikanthan, A., Rangappa, R., Shinde, S., Malik, V.R. (2023). Computational investigations of aluminum based airfoil profiles of helical shaped vertical axis wind turbines suitable for friction stir joining and processing. *International Journal on Interactive Design and Manufacturing* 2023. <https://doi.org/10.1007/s12008-022-01181-9>

- Shivalingaiah, K., Nagarajaiah, V., Selvan, C.P., Kariappa, S.T., Chandrashekarappa, N.G., Lakshmikanthan, A., Chandrashekarappa, M.P.G., Linul, E. (2022). Stir Casting Process Analysis and Optimization for Better Properties in Al-MWCNT-GR-Based Hybrid Composites. *Metals* 2022, 12, 1297. <https://doi.org/10.3390/met12081297>
- Venkataramana, S. H., Shivalingaiah, K., Davanageri, M. B., Selvan, C. P., Lakshmikanthan, A., Chandrashekarappa, M. P. G., Razak, A., Anand, P.B., Linul, E. (2022). Niger Seed Oil-Based Biodiesel Production Using Transesterification Process: Experimental Investigation and Optimization for Higher Biodiesel Yield Using Box–Behnken Design and Artificial Intelligence Tools. *Applied Sciences* 2022, Vol. 12, Page 5987, 12, 5987. <https://doi.org/10.3390/app12125987>
- Kumar, S., Lakshmikanthan, A., Selvan, C. P., Malik, V., Saxena, K. K., Sehgal, S., & Mohammed, K. A. (2022). Effect of interlock angle and bottom die flange diameter on clinching joint load bearing capacity in cross-tensile loading. *International Journal on Interactive Design and Manufacturing (IJIDeM)*. <https://doi.org/10.1007/s12008-022-00955-5>
- Naveen, K., Selvan, C. P., & Bahumik, A. (2022). Performance Evaluation Through Audit of 519 Organizations. *Lecture Notes in Mechanical Engineering*, 253-258. https://doi.org/10.1007/978-981-16-4222-7_30
- Kumar, M. S. S., Selvan, C. P., Santhanam, K., Kadirvel, A., Chandraprabu, V., & Sampathkumar, L. (2022). Effect of Nanomaterials on Tribological and Mechanical Properties of Polymer Nanocomposite Materials. *Advances in Materials Science and Engineering*, 2022. <https://doi.org/10.1155/2022/2165855>
- Sivaprakasam, P., Maheandera Prabu, P., Srinivasan, M., Balakrishnan, S., Karthikeyan, V. S., & Pon Selvan, M. C. (2021). Analysis of Ethanol to Reduce Solid Particle Pollution in SI Engines. *Journal of Nanomaterials*, 2021, 2726645. doi: <https://doi.org/10.1155/2021/2726645>
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Note: A complete list of publications and additional information is available upon request.