

CURRICULUM VITAE

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Publons ID - <https://publons.com/researcher/721020/dr-bharath-k-n/>

Google Scholar Citations - <https://scholar.google.com/citations?user=y6C2S8AAAAJ&hl=en>

Recognitions / Awards

1. **Research Metrics:** Citations – 2,335; H-index – 26, and I10-index – 43 (Source: Google Scholar Citations).
2. Contributed to institutional research governance initiatives leading to **GM University Titanium Band (India)** recognition in the Research Excellence Ranking 2026 (iRA) conducted by World Institutional Ranking.
3. Awarded “**Seed Money to Young Scientist for Research**” by VGST, Government of Karnataka, in 2015.
4. Secured total research funding of Rs.1.52 Crore from various funding agencies.
5. “**Faculty Excellence Award – 2024**”: Presented on the occasion of Founder’s Day for academic excellence and dedicated service to GM Group of Institutions.
6. Featured in the “**World Scientist and University Rankings**” by AD Scientific Index for the years 2023, 2024 and 2025.
7. Recipient of the “**Young Achiever of the Year 2020**” award by Perficio Awards (DHS Foundation) in collaboration with Campbell University, USA.
8. Received a **Certificate of Appreciation** by ISRO Robotics Challenge – URSC 2024 (IRoC-U 2024).
9. Received a **Certificate of Appreciation** at the ArdorComm Digital Bharat Education Conclave 2025 in recognition of professional contributions.
10. Two research papers were presented at **Prestigious International Conferences** in the Automotive Composites Conference & Exhibition (ACCE), Novi - Michigan (supported by the Center for Bioplastics and Biocomposites) and Society of Plastics Engineers Annual Technical Conference (SPE–ANTEC) supported by the National Science Foundation (NSF), USA.
11. Received the “**Certificate of Outstanding Contribution in Reviewing**” from Elsevier for contributions to Carbohydrate Polymers and Ciencia & Tecnologia dos Materiais journals.
12. **Reviewer Recognition – Journal of Natural Fibers (Taylor & Francis Group):** Recognized by the Editorial Board for expert peer-review and contributing to maintaining the high scientific standards of the journal. A token gift made of pure linen was presented as a mark of appreciation.
13. **Editorial Board Member** for more than five international journals, including publications by Springer. Acted as a **Reviewer** for over 75 international journals from reputed publishers.
14. Served as **Guest Editor** for a special issue in the Journal of Research in Science, Technology, Engineering, and Management (JoRSTEM).
15. Received **Two Best Research Paper Awards** in national and international conferences.
16. Delivered over 20 **Invited Talks** on sustainable composites and engineering research.
17. **Guest of Honor** at the National Conference on Business Transformation, Strategy, and Sustainability held on June 29, 2024, at Kirloskar Institute of Management, Harihar.
18. Established **Research Collaborations** with researchers from the USA, Thailand, Malaysia, Indonesia, UAE, and Russia.

19. Accomplished **Basketball professional** with extensive experience as a player, captain, coach, and director, having represented University and Karnataka State at various National and Inter-University levels.

Academic Qualifications

➤ **Post-Doctoral Fellowship (PDF)**

Conducted research at the Composite Materials & Engineering Center, Washington State University, Pullman, USA.

- Worked on two funded projects under the Center for Bioplastics and Biocomposites (CB²) and the United States Department of Agriculture (USDA), USA.
- Fellowship Received: \$60,000 per annum

➤ **Doctor of Philosophy (Ph.D.)** in Mechanical Engineering (Bio-Composite Materials)

Awarded by Visvesvaraya Technological University, India, in 2016.

- Thesis Title: “Development and Characteristics of Coconut Leaf Sheath Reinforced Composites”
- Funding: This project was funded by the University Grants Commission (UGC), New Delhi, with a research grant of ₹8.4 lakhs.

➤ **Master of Technology (M.Tech.)** in Machine Design

Completed at University B.D.T. College of Engineering (Kuvempu University) with First Class with Distinction in 2008.

- Thesis Title: “Study of Areca Fibers and Maize Powder Reinforced Urea Formaldehyde Composites”

➤ **Bachelor of Engineering (B.E.)** in Mechanical Engineering

Graduated from University B.D.T. College of Engineering (Kuvempu University) with First Class in 2006.

- Thesis Title: “Fatigue and Life Estimation of Connecting Rod”

Professional Experience

Dean (Research and Innovation)

- Institution: GM University, Davanagere
- Tenure: Dec 2023 – Present
- Responsibilities: Spearheading research and innovation initiatives, overseeing funded projects, and mentoring research scholars.

Professor

- Institution: GM Institute of Technology, Davanagere
- Tenure: Aug 2023 – Present
- Responsibilities: Leading academic programs, delivering advanced mechanical engineering courses, and supervising doctoral research.

Dean (Research and Innovation)

- Institution: GM Institute of Technology, Davanagere
- Tenure: June 2021 – Present
- Responsibilities: Coordinating research projects, leading interdisciplinary teams, and managing research funding activities.

Post-Doctoral Research Associate

- Institution: Washington State University, USA
- Tenure: Apr 2019 – May 2020
- Projects: Developed bio-based composite materials under CB2 and USDA-funded initiatives, contributing to advancements in sustainable engineering materials.

Associate Professor

- Institution: GM Institute of Technology, Davanagere
- Tenure: Aug 2017 – Jul 2023
- Achievements: Facilitated interdisciplinary collaborations, conducted funded research projects, and authored high-impact publications.

Lecturer

- Institution: GM Institute of Technology, Davanagere and University BDT College of Engineering, Davanagere
- Tenure: Aug 2008 – Jul 2017
- Responsibilities: Delivered undergraduate courses, mentored students, and contributed to departmental activities.

Membership in Professional Bodies

1. Lifetime member of Material Research Society of India (MRSI), Indian Academy of Science, Indian Institute of Science (IISc).
Membership no. - LMB 1794.
2. Life member of Asian Polymer Association (APA), New Delhi
Membership no. – L - 676.
3. Lifetime member of Indian Society for Technical Education (MISTE), New Delhi
Membership no. - LM 98219.
4. Member of Institution of Engineer's (MIE), Kolkata
Membership no. – M-1624371.
5. Lifetime member of Karnataka State Scientific Research Council, Bengaluru
Membership no. – KS 3091.

Research Work – Editor/Editorial Board Member/Reviewer

A. Reviewer for Book proposals

1. Elsevier Publication - 07
2. Springer Publication - 02
3. Taylor and Francis / CRC Press - 03

B. Guest Editor for International Journal

1. Special issue published in Journal of Research in Science Technology Engineering and Management.

C. Editorial Board Member for International Journals

1. Discover Mechanical Engineering, Springer Publication (**Handling Editor**)
2. Current Science, Engineering and Technology, Bentham Science
3. Fracture and Structure Integrity
4. Archives of Advanced Engineering Science
5. Materials Science and Metallurgy Engineering

D. Reviewer for International Journals

1. Materials and Design (Elsevier Publication)
2. Carbohydrate Polymers (Elsevier Publication)
3. Cleaner Production (Elsevier Publication)
4. Ceramics International (Elsevier Publication)
5. Nano Materials Science (Elsevier Publication)
6. Construction and Building Materials (Elsevier Publication)
7. Ain Shams Engineering Journal (Elsevier Publication)
8. International Journal of Lightweight Materials and Manufacture (Elsevier Publication)
9. Current Research in Green and Sustainable Chemistry (Elsevier Publication)
10. Journal of Advanced Research (Elsevier Publication)
11. Ciência & Tecnologia dos Materiais (Elsevier Publication)
12. Journal of Science: Advanced Materials and Devices (Elsevier Publication)
13. Results in Engineering (Elsevier Publication)
14. Materials Today Communications (Elsevier Publication)
15. Review for Results in Surfaces and Interfaces (Elsevier Publication)
16. Journal of Testing and Evaluation (ASTM International)
17. ACS Omega (American Chemical Society Publication)
18. Polymer Composites (Wiley Publication)
19. Macromolecular Materials and Engineering (Wiley Publication)
20. Journal of Applied Polymer Science (Wiley Publication)
21. Journal of Material Cycles and Waste Management (Springer Publication)
22. Journal of Materials Engineering and Performance (Springer Publication)
23. Cellulose (Springer Publication)
24. Journal of Polymers and the Environment (Springer Publication)
25. Biomass Conversion and Biorefinery (Springer Publication)
26. Journal of Mechanical Science and Technology (Springer Publication)
27. Silicon (Springer Publication)
28. Iranian Polymer Journal (Springer Publication)
29. Progress in Additive Manufacturing (Springer Publication)
30. Multiscale and Mul. Modeling, Experiments and Design (Springer Publication)

31. Journal of Polymer Research (Springer Publication)
32. Emergent Material (Springer Publication)
33. Discover Materials (Springer Publication)
34. Materials (MDPI Publication)
35. Polymer (MDPI Publication)
36. Journal of Composite Science (MDPI Publication)
37. Sustainability (MDPI Publication)
38. Coatings (MDPI Publication)
39. Buildings (MDPI Publication)
40. Journal of Natural Fiber (Taylor and Francis Publication)
41. The Journal of the Textile Institute (Taylor and Francis Publication)
42. Composite Interfaces (Taylor and Francis Publication)
43. Advances in Materials and Processing Technologies (Taylor and Francis Publication)
44. Journal of Reinforced Plastics and Composites (Sage Publication)
45. Journal of Industrial Textiles (Sage Publication)
46. Journal of Thermoplastic Composites (Sage Publication)
47. Journal of Composite Materials (Sage Publication)
48. The Proceedings of the I Meche Part E: Journal of Process Mechanical Engineering
49. Polymer and Polymer Composites (Sage Publication)
50. Composites and Advanced Materials (Sage Publication)
51. Journal of Nanomaterials, Nanoengineering and Nanosystems (Sage Publication)
52. Simulation (Sage Publication)
53. International Journal of Surface Science and Engineering (Inderscience Publication)
54. International Journal of Modelling, Identification and Control (Inderscience Publication)
55. International Journal of Structural Engineering (Inderscience Publication)
56. Frattura ed Integrità Strutturale
57. Bioresources (NCSU, USA)
58. Journal of Material Research (Cambridge University Press)
59. International Journal of Manufacturing, Materials, and Mech. Engg. (IGI Global)
60. Science and Engineering of Composite Materials (Degruyter Publication)
61. Journal of the Mechanical Behavior of Materials (Degruyter Publication)
62. High Temperature Materials and Processes (Degruyter Publication)
63. International Journal of Quality and Reliability Management (Emerald Publication)
64. Tribology in industry
65. Journal of Minerals and Materials Characterization and Engineering (JMMCE)
66. Journal of Materials and Environmental Science (JMES)
67. Iranian Journal of Materials Science and Engineering
68. Journal of Fiber and Polymer Composites
69. Wood and Fiber Science
70. Polymer (The Polymer Society of Korea)
71. SAE Technical Papers (Society of Automotive Engineers)
72. Frontiers in Materials
73. Advances in Polymer Technology (Hindawi Publication)
74. International Journal of Polymer Science (Hindawi Publication)

- 75. Materials Research Express (IoP Publication)
- 76. Engineering Research Express (IoP Publication)
- 77. Mechanics of Advanced Composite Structures

E. Advisory Committee member for International Journal

- 1. Special Issue on “Trends and Developments in Natural Fiber Composites” in Applied Science and Engineering Progress (Scopus Indexed) published by King Mongkut’s University of Technology North Bangkok (KMUTNB), Thailand.

F. Scientific/Technical /Reviewer/Advisory Committee member for International Conferences

- 1. ASME-IMECE India 2025 held at Hyderabad, The International Mechanical Engineering Congress & Exposition (IMECE India 2025).
- 2. 4th International Conference on Mechatronics and Mechanical Engineering (ICMME 2025) held at Dalian, China on August 22th -24th, 2025.
- 3. 2nd International Summit on “Bio-Polymers and Polymer Science”, June 10-12, 2024, Porto, Portugal.
- 4. International Symposium on “Integrated Circuit Design and Integrated Systems (ICDIS 2024)” 2024, Nanjing, China.
- 5. International Conference on “Innovation, Sustainability And Applied Sciences (ICISAS 2023), to be held on December 9-10, 2023, Curtin University, Dubai, UAE.
- 6. International Symposium on “Lightweight and Sustainable Polymeric Materials 2023 (LSPM’23)” February 2023, Natural Composites Research Group Lab, The Sirindhorn International Thai-German Graduate School of Engineering (TGGS), King Mongkut’s University of Technology, North Bangkok, Thailand.
- 7. The 5th International Conference on Material Strength and Applied Mechanics (MSAM - 2022) held on 19th – 22nd August 2022, Qingdao, China.
- 8. International Conference on Materials, Computer Engineering and Education Technology (MCEET - 2020), Sanya, China, December 19th - 20th 2020.
- 9. The Global Conference on Metallurgical Coatings and Thin Films from August 03-04, 2020, held at San Antonio, USA.
- 10. International Conference on Computational Engineering and Material Science (ICCEMS - 2020) held on 15th and 16th May 2020 at GMIT, Davangere, INDIA.
- 11. International Conference on Energy Conversion 2019, October 16th - 17th Yogyakarta, Indonesia.
- 12. The International Mechanical Engineering Congress (IMEC-2019), 29th Nov – 1st Dec 2019, National Institute of Technology, Tiruchirappalli (NIT-T).
- 13. The 8th Global Conference on Materials Science and Engineering (CMSE 2019), November 12th-15th, 2019 in Sanya, Hainan Province, China.
- 14. International Conference on Chip, Circuitry, Current, Coding, Combustion & Composites (I7C - 2019), 28th - 29th November 2019 at SSCE, Bengaluru, India.
- 15. National conference on advances in mechanical engineering (NAME - 2018), Jawaharlal Nehru National College of Engineering, Shimoga.

16. International Conference on Emerging Trends on Engineering Science, Technology and Management (ICETESTM-18) held on 29th - 30th November 2018 at Srikakulam, Andhra Pradesh.
17. International Seminar on Artificial Intelligence, Networking, and Information Technology (ANIT-2017) held on October 21 to 22, 2017 in Frankfurt, Germany.
18. International Conference on Mechanical and Transportation Engineering, Kuala Lumpur.
19. International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences [AMMMT – 2016], Siddaganga Institute of Technology, India.
20. Global Conference on Polymer and Composite Materials (PCM 2014), Ningbo, China.
21. Informing Science and IT Education Conference (InSITE 2013), Portugal.

Funded Projects – 11 (Total Funding Received Rs. 1.52 Crore)

1. "Seed money to YOUNG SCIENTIST for research award", VGST (Govt. of Karnataka) for the project entitled "Development and Performance Analysis of Bio-based fiber composites from Agricultural Byproducts for Engineering Applications". And received a grant of Rs. 4.00 lakhs during 2015-16.
2. A project entitled "A Novel Approach for The Development of Bio-Based Composite for Circuit Board Applications" was funded by KSCST (Govt. of Karnataka) received grants of Rs. 0.06 lakhs in the year 2016-17.
3. "Performance Evaluation of Natural Fiber-Basalt Hybrid Composite Panels" project funded by **Center for Bioplastics and Biocomposites, National Science Foundation (NSF) Industry & University Cooperative Research Center, United States of America (USA)** and received a grant of \$67,491 (Rs. 47.94 lakhs) in the year 2019-2020.
4. "Optimization of Extraction Process to Obtain Omega 3 Fatty Acids from Fish Oil and to Develop Biodiesel from Waste Oil", was funded under VTU – RGS scheme and received grants of Rs. 8.00 lakhs in the year 2021-22.
5. "Development of Biodegradable Thin Films from Bio Based Fibers for Food Packaging Applications" was funded by KSCST (Govt. of Karnataka) received grants of Rs. 0.07 lakhs in the year 2021-22.
6. "A New Approach for the Development of Bio-Fiber Based Composites for Circuit Board Applications" was funded by KSCST (Govt. of Karnataka) received grants of Rs. 0.06 lakhs in the year 2021-22.
7. "Development of Customized Static Splint Orthosis for Medical Application Using Bio-Composites", was funded by KSCST (Govt. of Karnataka) received grants of Rs. 0.07 lakhs in the year 2021-22.

8. “Experimental Investigation of Secondary Reinforcement on Kenaf Fiber Reinforced Composites For Automobile Interior Application: Vacuum Bagging Process”, was funded by KSCST (Govt. of Karnataka) received grants of Rs. 0.05 lakhs in the year 2022-23.
9. “Effect of Nano Fillers on Advanced Vacuum Bagged Kenaf Fiber Reinforced Composites for Automotive Applications” was funded by KSCST (Govt. of Karnataka) received grants of Rs. 0.05 lakhs in the year 2022-23.
10. “Customized Packaging Solutions Using Agricultural Waste” was funded under NAIN Scheme (Govt. of Karnataka) received grants of Rs. 2,67,500 during the year 2024-25.
11. Received Rs. 90 lakhs grant from AICTE to establish an IDEA Lab at GM Institute of Technology, Davanagere encouraging innovation and hands-on STEM learning. (F.No. M/676/2025-SAGB/IDEA202000314, dated: 10-02-2025)

Patent – 1

1. Patent filed (Application No. 202441100217) for "Biodegradable Nanocomposite Films from Areca Husk Fibres for Food Packaging," aiming to develop sustainable packaging solutions on December 18, 2024.

Research Work – (Publications – Books/Journals/Conferences/Seminars/Symposium)

Publication Citations – 2,335; H – index – 26 and I 10 – index – 43

Particulars	Counts	Under Process
Books	3	01
Book Chapters	10	01
Journals	63	03
International Conference	36	01
National Conference	14	
Symposium	03	
Student Seminar	01	
<i>Total</i>	<i>130</i>	<i>06</i>

A. Book Published – 3

1. “Biodegradable Composites: Sustainable Engineering Solutions for Zero Waste Manufacturing”, Elsevier Publication, ISBN: 9780443455285. (Under Process)

2. “Light Weight Materials for Electric Vehicles (EVs)”- Sustainable Materials, Production Process and modeling Techniques, CRC Press/Taylor & Francis Publication, Feb 2026. <https://doi.org/10.1201/9781003596097>.
3. “Hybrid Natural Fiber Reinforced Polymer Composites”, LAP Publication, Germany (ISBN - 978-3-659-10391-9), May 2012.

B. Chapters/Papers in Edited Books – 10

4. “Evolution And Recent Advancements of Composite Materials in Sports Applications”, book chapter in “Applications of Composite Materials in Engineering”, *Elsevier Publication* (Scopus Indexed), 2024, ISBN: 978-0-443-13989-5. <https://doi.org/10.1016/B978-0-443-13989-5.00009-7>.
5. “Investigation of Fracture Toughness Analysis on Polymer Composites Using FEA”, book chapter in “Finite Element Analysis of Polymers and its Composites”, *Elsevier Publication* (Scopus Indexed), 2024. ISBN: 978-0-443-14087-7. <https://doi.org/10.1016/B978-0-443-14087-7.00008-2>.
6. “Kenaf Fibers, Their Composites And Applications”, book chapter in “Plant Fibers, their Composites, and Applications”, book, Woodhead Publishing, *Elsevier Publication* (Scopus Indexed), 2022, ISBN: 978-0-12-824528-6. <https://doi.org/10.1016/B978-0-12-824528-6.00011-4>
7. “Optimization and Parametric Study of Drilling Characteristics on Sheep Wool Reinforced Composites”, book chapter in “Advances in Bio-Based Fibers” book, *Elsevier Publication* (Scopus Indexed), 2021, ISBN: 978-0-12-824543-9. <https://doi.org/10.1016/B978-0-12-824543-9.00018-9>.
8. “Bamboo: A Potential Natural Material for Bio-composites” book chapter in “Bamboo Fiber Composites” book, *Springer Nature Publication* (Scopus Indexed), pp 15-37, Nov 2020, ISBN 978-981-15-8488-6. https://doi.org/10.1007/978-981-15-8489-3_2.
9. “Fracture Analysis on Silk and Glass Fiber-Reinforced Hybrid Composites”, book chapter in “Hybrid Fiber Composites: Materials, Manufacturing, Process Engineering” book, *Wiley Publication*, Pages 87-97, 2020 (Scopus Indexed), ISBN 9783527346721.
10. “Effect of Surface Modification on Characteristics of Naturally Woven Coconut Leaf Sheath Fabric as Potential Reinforcement of Composites”, book chapter in “Biofibers and Biopolymers for Biocomposites” book, *Springer Nature Publication*, Pages 285-294, 2020 (Scopus Indexed), ISBN 978-3-030-40300-3. DOI: 10.1007/978-3-030-40301-0_14.
11. “Failure Analysis and Optimal Toughness Design of sheep-wool reinforced epoxy composites”, book chapter in “Failure analysis in Biocomposites, Fibre reinforced

composites and Hybrid composites” book, *Woodhead Publishing (Elsevier Publication)*, 97-107, 2018 (Scopus Indexed), ISBN 978-0-08-102293-1.

12. “Experimental and Analysis of Jute Fabric with Silk Fabric Reinforced Polymer Composites”, Chapter in “Thermoset Composites: Preparation, Properties and Applications” Book, *Materials Research Foundations*, ISBN 978-1-945291-86-9, Vol. 38, 66-80, 2018. DOI: 10.21741/9781945291876.
13. “Experimental Studies on Biodegradable Property of Natural Fibers Reinforced Urea Formaldehyde Composites”, *Multidisciplinary Research* 2008, pp 7-14. ISBN- 978-81-909132-01.

C. International Journals: 63

14. “Realization of introducing non-woven veil on interlaminar radial strength of Glass Epoxy L-Bend composites”, *Fracture and Structural Integrity (Scopus Indexed)*, 2025. <https://doi.org/10.3221/IGF-ESIS.75.07>.
15. “Mechanical enhancement of sustainable natural fiber composites through filler additives: a comprehensive review”, *Journal of Umm Al-Qura University for Engineering and Architecture (Scopus Indexed)*, Springer Publication, 2025. <https://doi.org/10.1007/s43995-025-00240-y>.
16. “Modeling cum optimization of fiber length, content and mechanical properties of oxalic acid modified Areca Catechu inflorescence fiber reinforced biocomposites: fabricated bio product for packaging applications”, *Discover Materials (Scopus Indexed)*, Springer Publication, 2025. <https://doi.org/10.1007/s43939-025-00338-z>.
17. “Comprehensive Characterization of Raw and Oxalic Acid Treated Ripen Cellulosic Biofiber from Areca Catechu Inflorescence as Substitute for Harmful Synthetic Products”, *Journal of Research Updates in Polymer Science (Scopus Indexed)*. <https://doi.org/10.6000/1929-5995.2025.14.04>.
18. “Review of Image Processing Methods for Surface and Tool Condition Assessments in Machining”, *Journal of Manufacturing and Materials Processing (Scopus Indexed)*, MDPI Publication, 2024. <https://doi.org/10.3390/jmmp8060244>.
19. “Mechanical and micro-structural characterization of biodegradable coir fiber–glass sheet–charcoal reinforced polymer composite: an experimental approach”, *Discover Polymer*, Springer – Nature Publication, 2024. <https://doi.org/10.1007/s44347-024-00009-x>.
20. “Mechanical Behavior and Sliding Wear Assessment of Al₂O₃/TiC Metal Matrix Composites Using Taguchi and Spotted Hyena Optimization”, *Scientia Iranica (Scopus Indexed)*, 2024. <https://doi.org/10.24200/SCI.2024.57484.5261>.

21. "Simulation of Various Fracture Models by Varying Geometrical Parameters Using Taguchi's DOE", Structural Integrity and Life (Scopus Indexed), 2023. <http://divk.inovacionicentar.rs/ivk/ivk23/OF2302-15.html>.
22. "Recent progress in the research on natural composite brake pads: a comprehensive review", Tribology - Materials, Surfaces & Interfaces (Scopus Indexed), Taylor and Francis Publication, 2023. <https://doi.org/10.1080/17515831.2023.2237810>.
23. "Investigation on performance of hybrid coating of hydroxyapatite and reduced graphene oxide on polyether ether ketone for orthopaedic application", Progress in Additive Manufacturing (Scopus Indexed), Springer Publication, 2023. <https://doi.org/10.1007/s40964-023-00464-1>.
24. "Development of banana fabric incorporated polymer composites for printed circuit board application", Biomass Conversion and Biorefinery (Scopus Indexed), Springer Publication, 2023. <https://doi.org/10.1007/s13399-023-04249-y>.
25. "Effect of stacking sequence and interfacial analysis of biomass sheep wool/glass fiber reinforced epoxy biocomposites", Biomass Conversion and Biorefinery (Scopus Indexed), Springer Publication, 2023. <https://doi.org/10.1007/s13399-023-03918-2>.
26. "An evaluation on Mechanical Properties of Vacuum bagging processed Kenaf epoxy nano aluminium oxide and nano graphene composites", Engineering Research Express (Scopus Indexed), 2023. <https://doi.org/10.1088/2631-8695/acc996>.
27. "Study on Tearing Strength of Woven Sisal Fabrics for tents and polymer composite applications", Journal of Natural Fiber (Scopus Indexed), Taylor and Francis Publication, 2023. <https://doi.org/10.1080/15440478.2023.2165590>.
28. "Understanding the Interfacial Interaction of TiO₂ Nano particles Filled Glass Fiber/Epoxy Composites through Dynamic Mechanical Analysis", Composite Interfaces (Scopus Indexed), Taylor and Francis Publication, 2023. <https://doi.org/10.1080/09276440.2023.2176058>.
29. "Physical Properties of Kenaf epoxy nano aluminium oxide and nano graphene composites; Vacuum bagging process", Published in Journal of Applied Polymer Science (Scopus Indexed), Wiley Publication, 2022. <https://doi.org/10.1002/app.53374>.
30. "Study of Treatment Effect on the Cocos Nucifera Lignocellulosic Fibers as Alternative for Polymer Composites", Journal of Natural Fiber (Scopus Indexed), Taylor and Francis Publication, 2022. <https://doi.org/10.1080/15440478.2022.2134257>.
31. "Effect of Nano-Filler Aluminium Oxide and Graphene on Flammability Properties of Kenaf-Epoxy Composites", Journal of The Institution of Engineers (India): Series D

- (Scopus Indexed), Springer publication, 2022. <https://doi.org/10.1007/s40033-022-00390-6>.
32. "Effects of residual stresses on interlaminar radial strength of Glass-Epoxy L-bend composite laminates", *Frattura ed Integrità Strutturale* (Scopus Indexed), 61 (2022) 140-153. <https://doi.org/10.3221/IGF-ESIS.61.10>.
 33. "Waste Coconut Leaf Sheath as Reinforcement Composite Material with Phenol Formaldehyde Matrix", *Polymer Composites*, Wiley Publication (Scopus Indexed), 2022. <https://doi.org/10.1002/pc.26513>.
 34. "An artificial neural network prediction on physical, mechanical, and thermal characteristics of giant reed fiber reinforced polyethylene terephthalate composite", *Journal of Industrial Textiles*, Sage Publication (Scopus Indexed), 2021, <https://doi.org/10.1177/15280837211064804>.
 35. "Nanoparticles Filled Polymer Nanocomposites: A Technological Review", *Cogent Engineering*, Taylor and Francis (Scopus Indexed), 2021, <https://doi.org/10.1080/23311916.2021.1991229>.
 36. "Influence of the stacking sequence and coconut husk micro fillers on the drilling parameters of coconut leaf sheath/glass/jute fiber hybrid phenol formaldehyde composites", *Materials Today: Proceedings*, Elsevier Publication (Scopus Indexed), 2021, <https://doi.org/10.1016/j.matpr.2021.10.422>.
 37. "Characterization of Natural Cellulosic Fiber from *Cocos Nucifera* Peduncle for Sustainable Biocomposites", *Journal of Natural Fibers*, Taylor and Francis (Scopus Indexed), 2021, <https://doi.org/10.1080/15440478.2021.1982827>.
 38. "Synergistic effect of ZnO and TiO₂ nanoparticles on the thermal stability and mechanical properties of glass fiber reinforced LY556 epoxy composites", *Polymer Composites*, Wiley Publication (Scopus Indexed), 2021. <https://doi.org/10.1002/pc.26193>
 39. "Effect of nano fillers on glass/silk fibers based reinforced polymer composites", *Materials Today: Proceedings*, Elsevier Publication (Scopus Indexed), May 2021. <https://doi.org/10.1016/j.matpr.2021.05.383>.
 40. "Mechanical and Chemical Properties Evaluation of Sheep Wool Fiber Reinforced Vinyl ester and Polyester Composites", *Materials Performance and Characterization*, ASTM International (Scopus Indexed), 10 (1):1-11, 2021. DOI: 10.1520/MPC20200036.
 41. "Optimization of Process Parameters of Fracture Toughness Using Simulation Technique Considering Aluminum–Graphite Composites" *Transactions of the Indian Institute of*

Metals (Scopus Indexed) Springer Publication, November 2020.
<https://link.springer.com/article/10.1007/s12666-020-02113-5>.

42. "Mode-I fracture toughness evaluation of bio based short areca fibers reinforced polymer composites", IOP: Materials Science and Engineering (Scopus Indexed), Vol. 925, Oct 2020, DOI: 10.1088/1757-899x/925/1/012010.
43. "A Study of Response Parameters during ECDM on Quartz Material", IOP: Materials Science and Engineering (Scopus Indexed), Vol. 925, Oct 2020, DOI: 10.1088/1757-899x/925/1/012053.
44. "Effect of process parameters on tool life surface roughness and material removal rate on machining a grey cast iron using multilayer coated carbide tool". AIP Conference Proceedings (Scopus Indexed), 2274, 2020, <https://doi.org/10.1063/5.0022871>.
45. "A Novel Approach for Development of Printed Circuit Board from Bio-Fiber Based Composites", Polymer Composites, Wiley Publication (Scopus Indexed), July 2020. <https://doi.org/10.1002/pc.25732>.
46. "Alkaline Effect on Characterization of Discarded Waste of *Moringa oleifera* Fiber as a Potential Eco-friendly Reinforcement for Biocomposites", Journal of Polymers and the Environment, Springer Nature Publication (Scopus Indexed), July 2020. <https://doi.org/10.1007/s10924-020-01818-4>.
47. "Thermal stability and flammability characteristics of phenolic syntactic foam core sandwich composites", Journal of Sandwich Structures & Materials, Sage Publication (Scopus Indexed), May 2020. <https://doi.org/10.1177/1099636220926661>.
48. "Dry sliding wear simulation of hybrid aluminum metal matrix composites", Advanced Composites and Hybrid Materials (Scopus Indexed), Springer-Nature publication, 2020. <https://doi.org/10.1007/s42114-020-00133-9>.
49. "Generation of mechanically mixed layer during wear in hybrid aluminum MMC under as-cast and age hardened conditions", SN Applied Sciences (Scopus Indexed), Springer Nature publication, 2019. <https://doi.org/10.1007/s42452-019-0906-5>.
50. "Development and Characterization of Hybrid Aluminum Metal Matrix Composites", Acta Technica Corviniensis – Bulletin of Engineering, Vol. 12 (3), pp 63-66, 2019.
51. "Characterization of Biocomposite material from naturally woven coconut leaf sheath reinforced polymer composites", International Journal of Biosensors & Bioelectronics, 2019, DOI: 10.15406/ijbsbe.2019.05.00166.

52. "Experimental study on mechanical properties of Woven hybrid bamboo and jute fibers reinforced Epoxy composites", *Int. Jour. of Sci. Res in Eng. and Mag. (UGC Approved)*, 2019, ISSN: 2590-1892.
53. "Material characterization of SiC and Al₂O₃-reinforced hybrid aluminum metal matrix composites on wear behavior", *Advanced Composites Letters (Scopus Indexed)*, Sage publication, 2019.
54. "Fracture Characterization of Glass-Sheep Wool Fabric Reinforced Epoxy Hybrid Composite using Stacking Sequence", *Journal of Instrumentation Technology & Innovation*, 2018.
55. "Investigating the contribution of geometrical parameters and immersion time on fracture toughness of jute fabric composites using statistical techniques", *Journal of Frattura ed Integrità Strutturale (Scopus Indexed)*, 2018.
56. "Effect of stacking sequence on properties of coconut leaf sheath/jute/ E-glass reinforced phenol formaldehyde hybrid composites", *Journal of Industrial Textiles (Scopus Indexed)*, Sage Publication, 2018.
57. "Statistical Analysis of Response Parameters During Electro-Chemical Discharge Machining of Crystal Glass", *International Journal of Engineering Research and Applications (UGC Approved)*, 2018.
58. "ANOVA and Response Surface Methodology for the Optimization of Fracture Toughness parameters on Jute Fabric-Epoxy composites using SENB specimens", *Materials Today (Scopus Indexed)*, Elsevier Publication, 2017.
59. "Effect of Sodium bicarbonate on Fire behaviour of filled E-Glass Reinforced Epoxy Composites", *Materials Science and Engineering (Scopus Indexed)*, IOP Publications, 2016.
60. "Optimization of Notch Parameter on Fracture Toughness of Natural Fiber Reinforced composites using Taguchi Method", *Journal of Materials Science & Surface Engineering (Web of Science Indexed)* 2015.
61. "Applications of Bio-Composite Materials based on Natural fibers from Renewable Resources – A Review", *Science and Engineering of Composite Materials*, De Gruyter Publication (Scopus Indexed).
62. "Fourier Transform Infrared Spectroscopy and Chemical resistance of Untreated and Alkali Treated Coconut Leaf Sheath Fiber Reinforced Polymer Composites", *Journal of Applied Mechanics and Materials*, Trans Tech Publications (Scopus Indexed), 2015.

63. "Characterization of natural fiber (sheep wool) - reinforced polymer-matrix composites at different operating conditions", Journal of Industrial Textiles, Sage Publication, 2016 (Scopus Indexed).
64. "Flammability Characteristics of Chemical Treated Woven Natural Fabric Reinforced Phenol Formaldehyde Composites", Procedia Material Science, Elsevier Publication, 2014. ISSN: 2211-8128.
65. "Evaluation of Tensile Behavior of Seashell-Jute Fabric reinforced Composites", International Journal of Advanced Research in Mechanical and Production Engineering and Development, 2014, ISSN: 2320-7256.
66. "Influence of Filler Materials on Pinned Joints of Woven Glass Fiber Reinforced Epoxy Composites", Journal of Composites and Biodegradable Polymers, 2013.
67. "Effect of Alkali Treatment on Impact Behavior of Areca Fibers Reinforced Polymer Composites", International Journal of Chemical, Nuclear, Metallurgical and Materials Engineering, 2013, ISSN: 1307-6892.
68. "The Effect of Silicon Dioxide Filler on the Wear Resistance of Glass Fabric Reinforced Epoxy Composites", Polymer Science and Technology, 2012; ISSN: 2277 – 7164.
69. "Thickness Swelling Behavior of Hybrid Natural Fiber Reinforced UF Composites", Journal of Purity, Utility Reaction and Environment, ISSN: 2232-1179.
70. "Water Absorption Characteristics of Areca Fiber Reinforced Composites", International Journal of Material and Biomaterial Applications, 2012.
71. "Experimental Investigation of Thermal Properties of Areca Fiber Reinforced Phenol Formaldehyde Composites", Journal of Advanced Materials (Scopus indexed), 2011, ISSN: 10709789 2010.
72. "Impact and Hardness properties of Areca fiber – Epoxy reinforced Composites", Journal of Materials and Environmental Science (Scopus indexed), 2011. ISSN: 2028-2508.
73. "Adhesive Tensile and Moisture Absorption Characteristics of Natural Fibers Reinforced Urea Formaldehyde Composites", May 2009, No.5, pp 60-62.
74. "Experimental Studies on Biodegradable and Swelling Characteristics of Natural Fibers Composites", International Journal of Agriculture Sciences, 2010, ISSN: 0975-371.
75. "Solar Still Coupled with Solar Collector and Storage Tank", International Journal of Research and Industry - Science and Technology, 2009. ISSN: 0975-2536.

76. “Moisture Absorption Characteristics of Areca/Maize Reinforced Hybrid Polymer Composites”, Published in International Journal of Advanced Engineering & Application, 2010. ISSN: 0975 – 7791.

D. International Conferences: 36

77. “A Review of Pinned Joint Performance in Natural Fiber Reinforced Composites: Parameters, Strength, and Failure Pathways”, 2nd International Symposium on Collaborative Informatics (2nd ISCI - 2025), 17th to 19th December 2025 at University BDT College of Engineering, Davanagere, India.

78. “Tribological and Mechanical Performance Optimization of AA6061/SiC/Gr Hybrid Metal Matrix Composites Using Taguchi–ANOVA Approach”, CONFLUENCE-2025, International Conference on Advancing Sustainability through Multidisciplinary Research and Innovation, 6th – 8th November, 2025 at GM University, Davanagere, Karnataka.

79. “Thermal Conductivity and Flammability Properties of CLS and Rice Husk Reinforced Polymer Composites”, paper presented in International Conference on Applied Research in Engineering Sciences (ICARES – 2022) on 24th and 25th November 2022 at Ramaiah Institute of Technology, Bengaluru.

80. “Influence of the stacking sequence and coconut husk micro fillers on the drilling parameters of coconut leaf sheath/glass/jute fiber hybrid phenol formaldehyde composites”, paper presented in International Conference on Research, Invention, and Innovation Congress (RI2C-2021) on 1st - 2nd September 2021 at *King Mongkut’s University of Technology North Bangkok, Thailand*.

81. “Design and Development of Robot Arm for Industrial Application”, paper presented in International Conference on Emerging Trends in Science, Engineering and Management – 2021 (ICETSEM - 2021) On 15th – 16th July 2021 at GM Institute of Technology, Davanagere, INDIA. *Received Best Paper Award*.

82. “Design and Development of Bio-Based Composites Using Sustainable Materials for Residential and Industrial Application”, paper presented in International Conference on Emerging Trends in Science, Engineering and Management – 2021 (ICETSEM - 2021) On 15th – 16th July 2021 at GM Institute of Technology, Davanagere, INDIA.

83. “Optimizing Mechanical Behavior of Basalt–Natural Fiber Hybrid Injection Molded Composites” paper presented **Society of Plastics Engineers (SPE) ANTEC 2021 – Annual Technical Conference for Plastic Professionals (USA)**, May 2021. ISBN: 978-1-7138-3075-7.

84. “Mode-I fracture toughness evaluation of bio based short areca fibers reinforced polymer composites”, paper presented in International Conference on Computational Engineering

- and Material Science (ICCEMS - 2020) On 15th – 16th May 2020 at GM Institute of Technology, Davangere, INDIA.
85. “A Study of Response Parameters during ECDM on Quartz Material”, paper presented in International Conference on Computational Engineering and Material Science (ICCEMS - 2020) On 15th – 16th May 2020 at GM Institute of Technology, Davangere, INDIA.
 86. “Effect of fiber orientation on the mixed mode fracture toughness of the jute fiber reinforced epoxy composite”, paper presented in International Conference on Sustainable Development during 18-20 December 2019 at Kalasalingam Academy of Research and Education, Krishnankoil, Tamil Nadu, India. *Published in SSRN – Elsevier Proceedings (Scopus Indexed)*.
 87. “Effect of Nano Fillers on Glass/ Silk Fibers Based Reinforced Polymer Composites”, paper presented in International Conference on "Advanced Trends in Mechanical & Aerospace Engineering" (ATMA) during 7-9 November 2019 at Dayananda Sagar University, School of Engineering Campus, Bangalore, India.
 88. “Mechanical and Rheological Behavior of Basalt and Hemp Fiber Reinforced Thermoplastic Composites”, paper presented in Automotive Composites Conference & Exhibition (ACCE - 2019), 4th – 6th September 2019 at *Novi, Michigan, USA*.
 89. “Effect of process parameters on tool life surface roughness and material removal rate on machining a grey cast iron using multilayer coated carbide tool” paper presented in International conference on Advances in Materials Research (ICAMR – 2019) 25th –26th July 2019 at Ramaiah University of Applied Sciences, Karnataka, India.
 90. “Effect of Sodium bicarbonate on Fire behavior of filled E-Glass Reinforced Epoxy Composites”, paper presented in International Conference on Advances in Materials and Manufacturing Applications, 14th –16th July 2016 at Amrita School of Engineering, Amrita Vishwa Vidyapeetham University, Karnataka, India.
 91. “ANOVA and Response Surface Methodology for the Optimization of Fracture Toughness parameters on Jute Fabric-Epoxy composites using SENB specimens” paper presented on 23rd and 24th September 2016 in International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT – 2016), Siddaganga Institute of Technology, Tumkur, Karnataka, India.
 92. “Optimization of Notch Parameter on Fracture Toughness of Natural Fiber Reinforced Composites Using Taguchi Method”, paper presented in International Conference on Fatigue, Durability & Fracture Mechanics, 28-30th May 2015 at Indian Institute of Science (IISc), Bangalore.
 93. “Differential Scanning Calorimetry Analysis of Treated and Untreated Coconut leaf Sheath Natural Fabric for Composite Reinforcement” paper accepted in International Conference on "Advances in Materials, Manufacturing and Application (AmmA - 2015)" at National Institute of Technology, Trichy (NIT-T).

94. "Fourier Transform Infrared Spectroscopy and Chemical resistance of Untreated and Alkali Treated Coconut Leaf Sheath Fiber Reinforced Polymer Composites" presented in International Conference on Advances in Materials and Manufacturing Engineering (ICAMME2014) on 19th and 20th December 2014 at Chennai, India.
95. "Effect of Various Chemical Modifications on Single Fiber Tensile Test of CLS Fiber for Composite Reinforcement: An Optical Microscopic Analysis", presented in International Conference on Polymer Composites on 19th and 20th December 2014 at NIT-K, Surathkal.
96. "Flammability Characteristics of Chemical Treated Woven Natural Fabric Reinforced Phenol Formaldehyde Composites" presented in International Conference on Advances in Manufacturing and Material Engineering on 27th – 29st March, 2014 which was conducted by National Institute of Technology (NIT-K), at Surathkal, Karnataka.
97. "Evaluation of Tensile Behavior of Seashell-Jute Fabric reinforced Composites" presented in International Conference on Latest Trends in Mechanical and Product Engineering" on 8th – 9th March 2014, which was conducted in Chennai, Tamil Nadu.
98. "Thermal Degradation of Naturally Woven Fabric Reinforced Phenol Formaldehyde based Bio-Composites" presented in International Conference on Recent Advances Composite Materials" on 18th – 21st Feb 2013 which was organized by Indian Institute of Technology – BHU at Panaji, Goa.
99. "Evaluation of the Effect of Weight Fraction on the Thickness Swelling Behaviour of Hybrid Natural Fibre Reinforced Urea Formaldehyde Composites" presented in International Conference on Recent Advances Composite Materials" on 18th – 21st Feb, 2013 which was organized by Indian Institute of Technology – BHU at Panaji, Goa.
100. "Investigation on mechanical and moisture absorption properties of areca fibers and maize powder reinforced urea-formaldehyde composites", International Conference on Emerging Research and Advances in Mechanical Engineering (ERA-2009), March 19th-21st 2009, held at Velammal Engineering College, Chennai, Tamil Nadu, India.
101. "A Study on Fatigue Behavior of Connecting Rod Using FEM", International Conference on Emerging Research and Advances in Mechanical Engineering (ERA-2009), March 19th-21st 2009, held at Velammal Engineering College, Chennai, Tamil Nadu, India.
102. "Experimental Investigation on Biodegradable and Swelling Properties of Natural Fibers Reinforced Urea Formaldehyde Composites", International Conference on Advanced Manufacturing and Automation (INCAMA – 2009) Kalasalingham University, Tamil Nadu, 26th – 28th March 2009.

103. "Effect of Moisture Absorption on Tensile Properties of Sicc Filled Gfrp Composite Materials", International Conference on Advanced Manufacturing and Automation (INCAMA – 2009) Kalasalingham University, Tamil Nadu, 26th – 28th March 2009.
104. "Experimental Investigation on Impact Property of Polymer Matrix Composites with Sicc and Graphite Particulate Fillers" International Conference on Arts, Science, Management and Engineering, Goa, India, April 23rd - 25th 2009.
105. "Investigation on The Effect of Hybridization on Bending Properties For Various Weight Fractions Of Natural Fiber Composites" ICAMB -2009, Vellore Institute of Technology, Tamil Nadu, INDIA.
106. "Experimental Investigation on Moisture Absorption Characteristics for Various Weight Fractions of Natural Fibres Reinforced Composites", International Conference on Recent Trends in Materials and Characterization (RETMAC – 2010), National Institute of Technology, Surathkal, Karnataka, India.
107. "Solar Still Integrated with Flat Plate Collector". International Conference on Issues and Challenges in Energy Conversion and Management (ICEM – 2009) on Dec 18th - 20th, 2009 held at Banaras Hindu University, Varanasi, India. Published proceedings in *NAROSA PUBLICATION*.
108. "Design and Performance Evaluation of Hybrid Solar Still" International Conference on "Control, Automation, Communication and Energy Conservation -2009, 4th-6th June 2009, Perundurai, Tamil Nadu, INDIA. Published in IEEE Xplore Digital Library and proceedings in *ALLIED PUBLISHERS (Scopus Indexed)*.
109. "A Double Slope Solar Still Integrated with Solar Collector and Storage Tank", ICAMB -2009, Vellore Institute of Technology, Tamil Nadu, INDIA.
110. "Solar Still coupled With Flat Plate Collector", International Conference on FFES- 2009 held at IIT Kharagpur, Dec 17th – 19th 2009.
111. "A Double Slope Solar Still Augmented with Flat Plate Collector and Storage Tank", International Conference on convergence of science & engineering in education and research - 2010, Dayananda Sagar College of Engg., Bangalore, India.
112. "Dry Sliding Wear Behavior of A356/Sicc-Gr Composites", International Conference on Tribology of Automotive Systems, IIT – Delhi, India.

E. National Conferences: 14

113. "Fracture Characterization of Glass-Sheep wool fabric reinforced Epoxy hybrid composite using stacking sequence", paper presented in National Conference Processing of Materials (NCOPOM18), Sept 19-21, 2018, at NIT-K, Surathkal.

114. "Statistical Analysis of Response Parameters during Electro-Chemical Discharge Machining of Crystal Glass", presented in National Conference on Advances in Mechanical Engineering (NAME 2018), 20th & 21st April 2018 at JNNCE, Shivamoga, Karnataka.
115. "Effect of Grain Size on Compression and Hardness Properties of Rice Husk Reinforced Composite", presented in National Conference on Mechmastic -2k17, 18th May 2017 at KIT, Tiptur, Karnataka and received **Best Paper award**.
116. "Effect of Maize powder on Tensile property of Areca fiber reinforced UF composites", 5th National Conference on Plastic and Rubber Technology (POLYCON-2011), 25-26 April 2011, SJCE, Mysore.
117. "Effect of Filler Materials on Mechanical Properties of Polymer Matrix Composites", National Conference on Advances in Materials and Manufacturing Processes (AMMP-2007), Uni. B.D.T College of Engg, Davanagere, Karnataka, Oct 5th -6th, 2007.
118. "Mechanical Characterization of Areca Fiber and Maize Powder Reinforced Plastic Composites", the national conference on New Advances in Thermal, Design, Materials and Manufacturing Engineering - (NATDMME – 09) held during 5th - 7th March 2009 at Malnad College of engineering Hassan, Karnataka.
119. "Experimental studies on tensile and bending strength of polymer matrix composites with particulate fillers", National conference on Emerging Trends in Mechanical Engineering (ETME – 2009) Oxford College of Engineering, Bangalore, Karnataka, 13th – 14th March 2009.
120. "Wear testing of Al25 composites made through R.T.M", National conference on advances in Mechanical Engg. (AME – 2009) on 30th - 31st March 2009 held at Don Bosco College of Engg. Bangalore.
121. "Wear Testing of Carbon Composites Made through R.T.M", National Conference on New Advances in Thermal, Design, Materials and Manufacturing Engineering - (NATDMME – 09) held during 5th - 7th March 2009 at Malnad College of Engineering Hassan, Karnataka.
122. "Fabrication and analysis of solar still", National Conference on Advances in Mechanical Engineering (NCAME 2009) February 28th and March 1st, 2009, Moradabad Institute of Technology, Moradabad, U.P.
123. "A Single Basin Double Slope Solar Still Attached with FPC" National Conference on Advances in Mechanical Engg. (AME – 2009) on 30th - 31st March 2009 held at Don Bosco College of Engg. Bangalore.
124. "Solar Distillation Unit" National Conference on "Information Technology Trends In engineering applications" (NEC – 2009) Dayananda Sagar College of Engg, Bangalore, 19th – 21st March 2009.

125. “Kitchen waste-based compact biogas plant”, National conference on Emerging Trends in Mechanical Engineering (ETME – 2009) Oxford College of Engineering, Bangalore, Karnataka, 13th – 14th March 2009.
126. “Solar Water Distillation-An Ideal Solution for Water Purification” National conference on Emerging Trends in Mechanical Engineering (ETME – 2009) Oxford College of Engineering, Bangalore on 13th – 14th March 2009.

F. National Seminar/Symposium: 3

127. “Injection Molded Basalt/Hemp Fiber Hybrid Composites” presented in Research Symposium on 2nd August 2019 at *Washington State University, USA*.
128. “Performance Evaluation of Basalt/Hemp Fiber Thermoplastic Hybrid Composite” presented in Research Symposium on 2nd August 2019 at *Washington State University, USA*.
129. “Online Examination System and Purpose – A Review”, 12th ISTE State-level convention and Two days National Seminar on Role of Faculty in the Examination System, 20th – 21st Nov 2009, GMIT, Davangere, Karnataka.

G. State Level Student Technical Seminar: 1

130. “Fatigue and Life Estimation of Connecting Rod” presented in Recent Advances in Mechanical Engineering (RAME-2007), state-level student’s technical seminar held at G.M. Institute of Technology, Davangere, 2nd & 3rd November 2007.

Scholars/Students support -

A. Ph.D. Scholars - 05

1. Manjunath G B, Experimental Investigation and Optimal Toughness Design of Fiber Reinforced Composite for Biomedical Applications.
2. Dileepkumar S G, Development and Evaluation of HVOF Sprayed Ceramic Coating on Medium Carbon Steel for High Temperature Applications.
3. Ajith G Joshi, Development and Performance Optimization of Sustainable Brake Friction Materials.
4. Deepika V S, Development and Performance Evaluation of 3D printed Bio Based composites optimizing the parameters using Machine Learning Technique.
5. Kirankumar Nalvade, Optimization of Parameters on Bearing Strength and Failure Analysis in Pinned Joints of Natural Fiber Reinforced Composites.

B. Doctoral Committee Member

1. Raghavendra Ravi Kiran K (Amrita Vishwa Vidyapeetham, B'lore)
2. Deviprasad (BIET, Davangere)
3. Manjunath (UBDTCE, Davangere)
4. Geethanjali (SIT, Tumkur)
5. Rajesh Anawal (SDMCET, Dharwad)
6. Maharudresh (CMRIT, Bangalore)
7. Srinivasa A (UBDTCE, Davangere)
8. Arvind M (SDMCET, Dharwad)
9. Vinayaka Uppin (SDMCET, Dharwad) - Awarded
10. Basavaraju H R (GEC, Haveri) - Awarded
11. Madhusudana H K (UBDTCE, Davangere) - Awarded
12. Amreen Taj (UBDTCE, Davangere) - Awarded
13. Ramesh B T (UBDTCE, Davangere) - Awarded

C. PG Students

1. Santhosh (GMIT, Davangere)
2. Anil (GMIT, Davangere)
3. Deepika (UBDTCE, Davangere)
4. Narendra (UBDTCE, Davangere)
5. Roopa (UBDTCE, Davangere)
6. Manjunath G B (BIET, Davangere)
7. Topanna (BIET, Davangere)

D. Research Experience for Undergraduates

1. Kyleigh Rhodes (University of Michigan, USA)
2. Ian DeBois (South Dakota School of Mines and Technology, USA)

Invited talks / Session chair / Guest / Resource Person

1. **Session Chair** at 2nd International Symposium on Collaborative Informatics (2nd ISCI - 2025), India – Japan collaboration, held from 17th to 19th December 2025, *University BDT College of Engineering, Davanagere, India*
2. **Session Chair** at National level Technical Symposium “Momentum-25” organized by Department of Mechanical Engineering, *Siddaganga Institute of Technology, Tumkuru, Karnataka* held on June 4th, 2025.
3. **Resource Person** for the Hands-on Workshop on “Effective Conversion of UG Projects into Research Papers” held on 12th and 13th May 2025 at *Vidyavardhaka College of Engineering, Mysuru, Karnataka*.
4. **Chief Guest and Judge** for "Spoorthi 2025 – Sports and Cultural fest" & "Technovate – Project Expo – 2025" held 6th May, 2025 at *SJM Institute of Technology, Chitradurga*.
5. **Session Chair** at the International Conference on Futuristic Advances in Mechatronics Engineering for Aerospace and Defense, jointly organized by Symbiosis Institute of

Technology and the Space Society of Mechanical Engineers, SAC - ISRO, Ahmedabad, held on October 4–5, 2024, at *Symbiosis Institute of Technology, Pune*.

6. **Resource Person** – Delivered a talk on “Advanced Materials for Engineering Applications” at the ISTE Student Chapter on July 19, 2024, at *SJMIT, Chitradurga, Karnataka*.
7. **Guest of Honor** – National Conference on Business Transformation, Strategy, and Sustainability held on June 29, 2024, at *Kirloskar Institute of Management, Harihara*.
8. **Resource Person** – Delivered a talk on “Research Best Practices Using AI Tools” at the VTU-Sponsored Research Conclave on May 13, 2024, at *JNNCE, Shivamogga, Karnataka*.
9. **Invited Speaker** – Presented on “Sustainable Composites for Engineering Applications” during the VGST-Sponsored One-Week Faculty Development Program on “Mechanics of Composite Materials and Structures” held from March 11–15, 2024, at *Government Engineering College, Huvinahadagali, Karnataka*.
10. **Session Chair** – 21st ISME-2023 International Conference on Advances in Mechanical Engineering held on July 13, 2023, at *PES University, Bengaluru, Karnataka*.
11. **Resource Person** – Delivered a talk on “Writing and Publishing Research Articles” during the Faculty Development Program held on July 8, 2023, at *GMS Academy First Grade College, Davangere, Karnataka*.
12. **Adjudicator** – “Biotechnology Product Mela” organized by the Department of Biotechnology, *GM Institute of Technology, Davangere* on January 10, 2022.
13. **Distinguished Speaker** – Four-day workshop for Intel India Pvt. Ltd. on “Sustainability: Future Concerns in Value Creation of Manufacturing and Supply Chain”, delivered a talk on “Sustainable Composite Materials for Automotive and Electronic Applications” on December 1, 2021, organized by *Siddaganga Institute of Technology, Karnataka*.
14. **Speaker** – Delivered a talk on “Importance of Research in Engineering Career” during the Orientation Programme for First-Year Students held on November 27, 2021, organized by *GM Institute of Technology, Davangere, Karnataka*.
15. **Special Lecture** – Delivered a lecture on “Characteristics of Bio-fiber and its Composites: Scope and Applications” at the **Prof. C. S. Nanjunda Ram Memorial Special Lecture** on September 6, 2021, organized by *Malnad College of Engineering, Hassan, Karnataka*.
16. **Resource Person** – Delivered a talk on “Bio-composite Materials and Its Applications” during a One-Week National-Level Faculty Development Program on “Advances in Materials and Manufacturing” held from July 12–16, 2021, at *SJM Institute of Technology, Chitradurga, Karnataka*.
17. **Expert Talk** – Delivered a talk on “Sustainable Composites for Engineering Applications” during the Faculty Development Program on “Recent Development of Biopolymer and Sustainable Composites for Engineering Applications” held from March 15–19, 2021, at *Sree Buddha College of Engineering, Pattoor, Alappuzha District, Kerala*.
18. **Resource Person** – Delivered a talk on “Characterization of Biodegradable Materials in Sustainability Development” during the AICTE-ATAL Sponsored Faculty Development

Program on “Green Tribology and Sustainable Engineering” held from February 22–26, 2021, at *Canara Engineering College, Bantwal, Karnataka*.

19. **Webinar Speaker** – Presented on “Natural Fiber and Its Composites: Characterization and Opportunities” in a webinar organized by the Institution Innovation Council (IIC) and the Department of Mechanical Engineering, *Channabasaveshwara Institute of Technology, Gubbi, Tumakuru*, on November 28, 2020.
20. **Expert Talk** – Delivered a talk on “Natural Fiber Composites” during the Five-Day Faculty Development Program on “Materials Processing & Characterization: Current Perspectives (MPCCP-2020)” held from August 31–September 4, 2020, organized by *Bangalore Institute of Technology, Bengaluru*.
21. **Resource Person** – Delivered a talk during the Five-Day Faculty Development Program on “Recent Advances & Trends in Mechanical Engineering & Material Science” held from July 27–31, 2020, at *K. S. Institute of Technology, Bengaluru*.
22. **Speaker** – Delivered a talk on “Natural Fiber-Basalt Fiber Hybrid Composite Panels for Automotive Applications” at the PITCHING THE BUSINESS VALUE OF YOUR RESEARCH event during Research Week 3.0 on October 23, 2019, at *Washington State University, USA*.
23. **Invited Speaker** – Presented at the International Conference on Advanced Trends in Mechanical & Aerospace Engineering (ATMA) held from November 7–9, 2019, at *Dayananda Sagar University, School of Engineering Campus, Bengaluru, India*.
24. **Session Chair** – Chaired sessions at the International Conference on Advanced Trends in Mechanical & Aerospace Engineering (ATMA) held from November 7–9, 2019, at *Dayananda Sagar University, Bengaluru*.
25. **Session Chair** – International Conference on Computational Engineering and Material Science (ICCEMS-2020) held on May 15–16, 2020, at *GMIT, Davangere, India*.
26. **Session Chair** – State-Level Technical Paper Presentation “MATHEID” held at *UBDTCE, Davangere*.
27. **Invited Speaker** – Delivered a talk on “Importance of Higher Education” during the Campus Care-2011 event at *University BDT College of Engineering, Davangere*.
28. **Chief Guest** – Annual Day celebrations of Sri Taralabalu Jagadguru ICSE School, *Anubhava Mantapa, Davangere*, on December 22, 2014.

Administrative and Leadership Roles

Has demonstrated significant leadership and administrative expertise through his various roles and responsibilities, including:

1. Served as an Expert Committee Member to **Scrutiny of the Research Supervisor applications** at Visvesvaraya Technological University, Belagavi.
2. Participated as a **Local Inspection Committee (LIC) member** for Visvesvaraya Technological University, Belagavi, during 2023-24, 2024-25 and 2025-26.
3. Served as an **Evaluator** for a European Union-funded network aimed at coordinating European research programs and funding in materials science and engineering.

4. Acting as an **Expert Panel member** during the faculty recruitment process at University BDT College of Engineering, Davanagere, on 26th October 2024.
5. As a member of the Board of Studies (BoS), contributed to the development and review of the Engineering Design Department's curriculum at GM University.
6. Examining **Ph.D. and Master Theses** for institutions such as Symbiosis International (Deemed University), Pune; Siddhartha University, Tumakuru and Davangere University.
7. Served as an **Expert Panel member** for the faculty recruitment process at Indian Institute of Technology, Dharwad (IIT-dh).
8. Contributing as an **Expert Committee member** for the Ph.D. Pre-Registration interview in Mechanical Engineering at Visvesvaraya Technological University (VTU), Belagavi.
9. Coordinating the **Board of Examiners (BOE)** for practical examination allotments at VTU during the 2022-23 academic year.
10. Holding the position of **Executive Council Member** for the University BDT College of Engineering Alumni Association from 2022-2025.
11. Served as **Vice-President** of the Institute Innovation Council at GM Institute of Technology, under the Ministry of Education, Government of India.
12. Participating as a **Board Member for the Examination** (Industrial Production Board) at VTU during 2020-21.
13. Acting as an **External Member** of the Department Advisory Committee for Mechanical Engineering at Bapuji Institute of Technology, Davanagere.
14. Coordinating the **e-Yantra project**, hosted by IIT Bombay, to advance embedded systems and robotics education in engineering colleges under the National Mission on Education through ICT (NMEICT).
15. Evaluating funding proposals as a **Project Evaluation Committee** Member at Symbiosis International (Deemed University), Pune.
16. **Treasurer** for Post-doctoral and research professionals at Washington State University, USA.
17. Coordinating the **Unnat Bharat Abhiyan program**, a flagship initiative of the Ministry of Human Resource Development, Government of India.
18. Acting as **NBA Coordinator** (Mechanical Department) during the department's accreditation process from 2019 to 2022.
19. Leading the **R&D criteria** (C-3) for the NAAC accreditation process.
20. Acting as **Sports Coordinator** from 2009 to 2019, organizing VTU inter-collegiate tournaments.
21. Served as **Staff Secretary** for the Mechanical Forum during the academic years 2010-11 and 2017-18.
22. Contributing as **Student Union Sports Secretary** in 2005 & 2006 and Cultural Secretary in 2007 at University BDT College of Engineering.
23. Managing finances as **Student Treasurer** for the Mechanical Engineer's Forum during 2005-06 at UBDTCE.

Academic and Professional Contributions -

1. Contributed to positioning GM University in the **Titanium Band** (India) in the Research Excellence Ranking 2026 (iRA) by World Institutional Ranking, through structured research governance and performance enhancement.
2. **Conference Co-Chair:** International Conference on Advancing Sustainability through Multidisciplinary Research & Innovation (Confluence 2025), organized by G.M. University, Davanagere, Karnataka, India, held from 6th to 8th November 2025.
3. **Coordinator:** “One-Day Awareness Program on Incubation Schemes” under the MSME–RAMP Scheme, sponsored with a grant of ₹1,00,000 by the Ministry of MSME, Government of India.
4. **Organizer:** “Samavesha - Episode 7”
Held under the I-STEM, IISc Bengaluru initiative on November 26, 2024. I-STEM, a national program supported by the Office of the Principal Scientific Adviser to the Government of India, aims to shape R&D infrastructure and support academia and industry in achieving the goal of Aatmanirbhar Bharat.
5. **Research Symposium**
Organized a Research Symposium on November 26-27, 2024, for GM University research scholars and faculty members under the Research and Innovation Division.
6. **Prestigious Lectures**
 - Organized a lecture by Mr. Shivakumar Mathapathi, CEO, Xtrans Solutions, California, and Adjunct Faculty at Northeastern University, San Jose Campus, on “Generative AI: Hardware and Software Implementation” on August 23, 2024.
 - Hosted an interactive session on “Research and Innovation” by Prof. Sundaresh S. H., Oklahoma State University, on November 15, 2024.
7. **Release of "Research Resonance"**
Published the inaugural issue of *Research Resonance*, GM University’s Research Bulletin, on August 19, 2024. This biannual bulletin (published every six months) highlights significant research outcomes, innovative solutions, and advancements across diverse domains, serving as a platform to showcase the university’s research excellence and interdisciplinary collaborations.
8. **Book of Abstracts**
Released the “Book of Abstracts” on May 22, 2024, featuring abstracts from final-year projects and emphasizing collaborative efforts between faculty members and students.
9. **BIS Standard Clubs and Project Exhibition**
Coordinated the inauguration of BIS (Bureau of Indian Standards) Standard Clubs and a project exhibition on May 22, 2024.
10. **Workshop on Research Methodology and IPR**
Organized a workshop on Research Methodology and Intellectual Property Rights (IPR) on January 18-19, 2024, in association with KSCST, IISc Bengaluru.
11. **Coordinator:** 17th State-Level ISTE Student’s Annual Convention
Hosted at GM Institute of Technology, Davanagere, Karnataka, on July 23, 2022.
12. **Panel Discussion Coordinator**
Coordinated a panel discussion on “NEP: Role of the Teachers” during Teachers’ Day

‘Shikshak Prav-2022’, an initiative by AICTE, Government of India, on September 8, 2022.

13. Workshop on Intellectual Property Awareness

Coordinated the Intellectual Property Awareness Program under NIPAM, Government of India, held on February 16, 2022, in collaboration with the Indian IP Office.

14. Organizing Chair: Five-Day Faculty Development Program

Conducted the program titled “Center of Excellence for Innovation, Research, and Entrepreneurship” in collaboration with the Atal Incubation Center – Jyothy Institute of Technology Foundation and ISTE, New Delhi. The event took place from September 27 to October 1, 2021, at GM Institute of Technology, Davanagere, Karnataka.

15. Chief Coordinator: 14th State-Level ISTE Student’s Annual Convention and NCETERM-2017. Organized the 5th National Conference on Emerging Trends in Engineering, Research, and Management (NCETERM-2017) on September 8-9, 2017, at GM Institute of Technology, Davanagere, Karnataka.

Faculty Development Programs/Seminar/Workshops attended:

1. “Leadership Training Program” conducted by Indian Leadership Academy on 25th and 26th June 2024.
2. Five-day Faculty Development Program on "Recent Trends in Composites" held at Alliance University in January 2023.
3. A workshop conducted virtually by DST & ACS on March 8, 2022.
4. An international workshop on "Hybrid Composites for Railway Applications" at **KMUTNB, Thailand**, in February 2022.
5. One-week FDP on "3D Printing and Design" hosted by IIT Dharwad in November 2020.
6. Three-day workshop on "Modern Design of Experiment for Process Optimization" in **San Diego, USA**, in January 2020.
7. Two-day Intellectual Property Rights (IPR) workshop organized by KSCST at GMIT, Davanagere, in September 2018.
8. One-week induction program on "Recent Advances in IC Engines – Research & Issues" conducted at GMIT, Davanagere, in July 2018.
9. Three-day AICTE-sponsored FDP on "Faculty Development Program for Student Induction" held at KLS GIT, Belagavi, in June 2018.
10. A workshop on "Advanced Mathematical Techniques in Research and Engineering Applications" at GMIT, Davanagere, in January 2018.
11. Three-day workshop on "Incubating Relevant Engineering R&D Programs and Establishing Centers of Excellence in Engineering Colleges" at SIT, Tumakuru, in May 2015.
12. One-day FDP on "Plagiarism Issues and Essential Tools for Research Write-ups" at JIT, Davanagere, in April 2015.
13. Two-week FDP on "Control Systems" jointly conducted by IIT Kharagpur and UBDTCE, Davanagere, in December 2014.
14. One-day workshop on "LATEX for Documentation" at GMIT, Davanagere, in November 2013.

15. Three-day workshop on "Research Methodologies and LATEX" by VTU E-Learning at GIET, Ramanagara, in July 2013.
16. Two-week FDP on "Thermodynamics" conducted by IIT Bombay at UBDTCE, Davangere, in December 2012.
17. A one-week FDP on "Quantitative Research Techniques" hosted by UBDTCE, Davangere, in March 2012.
18. A Two-week FDP on "An Introduction to Research Methodology" hosted by UBDTCE, Davangere, in 25th June to 4th July, 2012.
19. Two-day ISTE-IITB workshop on "Writing Effective Conference Papers" at ASE, Bangalore, in February 2012.
20. One-week FDP on "Advances in Manufacturing and Precision Engineering" held at NITK, Surathkal, in June 2011.
21. One-day FDP on "Publishing Research Articles in Journals" at BIET-MBA, Davanagere, in January 2011.
22. One-week FDP on "Material Science: A Fundamental Approach" at PESIT, Bangalore, in July 2010.
23. One-week FDP on "Recent Developments in Tribology of Mechanical Systems" at BEC, Bagalkot, in December 2009.
24. Two-day ISTE National Seminar on "Role of Faculty in the Examination System" at GMIT, Davangere, in November 2009.
25. One-day seminar on "Fracture Mechanics" at BIET, Davangere, in October 2009.

Achievements – in Sports

- **Director**, Davanagere Basketball Club, District Stadium, Davanagere – From 23rd August 2023 to present.
- **Coach**, Kuvempu University Basketball Team – Led the team in the South Zone Inter-University Meet during the 2008–2009.
- **Captain**, Kuvempu University Basketball Team – Represented the university in the South Zone Inter-University Meet held in Kerala during the 2007–2008.
- **University Blue (Five Times)** – Represented Kuvempu University Basketball Team in South Zone Inter-University Meets held in Kerala and Tamil Nadu from 2002 to 2008.
- **Player**, Karnataka State Basketball Team (Junior Nationals) – Competed in the National Level Championship held at Guna, Madhya Pradesh during the 1999–2000.

Skills and Expertise

- Sustainable Engineering Solutions
- Composite Material Development
- Material Science and Engineering
- Academic Leadership
- Reviewer and Editorial Proficiency