**FACULTY WEBSITE PROFILE**

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| Name of The Faculty | Mrs SuchethaN Raju  |
| Designation | Assistant Professor |
| Qualification | BE, MTech, (PhD) |
| E Mail ID | suchetha@sjce.ac.in |
| LinkedIn ID | Profile Viewers \| LinkedIn |
| ORC ID | 0000-0003-2287-2558 |
| Contact Number | 9481816544 |
| Work Experience | |
| 1. Teaching | 11 years |
| 2. Industry | 1 year |
| 3. Research | 7years |
| 4. Other | - |
| Area of Specialization | Polymer Science and Technology |
| Subject Taught | |
| 1. Under Graduate Level | • Polymer Physics<br>• Material Science and Engineering<br>• Testing of Polymers<br>• Polymer Compounding Technology<br>• Research Methodology<br>• Polymer Manufacturing Technology<br>• Nanotechnology and Its Applications<br>• Polymer Blends and Composites |
| 2. Post Graduate Level | • Research methodology and IPR<br>• Advanced Material Processing Technology |
| **Research Guidance** | |
| 1. Under Graduate Level | • Optimization of silica and carbon black loading in FSSBR based off the road tire tread compound<br>• Application of rice husk ash in tire tread compound<br>• Exploring the electrical and thermal properties of PVA and PANI films with ZnO/NGO nanoparticles. |

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| 2. Post Graduate Level | • Synthesis and Mechanical Characterization of basalt fiber reinforced polymer composites filled with GGBS and PWSP<br>• Development of PC/ASA Polymer Blends with Improved Mechanical Strength and Weathering Resistance to check suitability for 3d printing for Agriculture In-Situ Monitor (AIM) |
| 3. PhD | |
| **Publication Details** | |
| 1. Inter National Journal<br>2. National Journal<br>3. Conferences<br>Patents<br>Book Published | 1. Review article on "Polymers used for 3D Printing" published in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 09 \| Sep 2021<br><br>2. Suchetha N Raju, S. H. Kameshwari Devi, Ajeya k, K. P., & Prashantha, K. (2023). Influence of processing parameters on the properties of 3D printed polylactic acid–thermoplastic polyurethane blends. In Proceedings of the International Conference on Advances in Mechanical Engineering and Management (ICAMEM 2023/ME-24), Rao Bahadur Y. Mahabaleswarappa Engineering College, V.V. Sangha's Campus, Cantonment, Ballari–583104, Karnataka, India.<br><br>3. S. M. Anush, S. N. Raju, B. H. Gavathri, K. P. Ajeya, Y. R. Girish, S. Darshan, Y. P. Naveen, K. Prashantha, B. K. Narendara, and A. Jayaram, "Graphitic $C_3N_4$ incorporated chitosan-poly(vinyl alcohol) blend nanocomposites for the removal of Cu(II) and Cr(VI) ions from aqueous solutions," *Express Polymer Letters*, vol. 18, no. 1, pp. 102–115, 2024. **DOI:** 10.3144/expresspolymlett.2024.<br><br>4. S. N. Raju, S. H. K. Devi, K. P. Ajeya, and K. Prashantha, "Mechanical, Thermal, and Morphological Analysis of 3D-Printed Polylactic Acid–Polyester Urethane Blends with Varied Infill and Material Compositions," *Journal of Research Updates in Polymer Science*, vol. 14, pp. 41–53, 2025. DOI: 10.6000/1929-5995.2025.14.05.<br><br>5. S. N. Raju, S. H. K. Devi, K. P. Ajeya, and K. Prashantha, "Mechanical and Morphological Analysis of 3D-Printed Polylactic Acid-Polybutylene Adipate Terephthalate Blends," *Journal of Research Updates in Polymer Science*, vol. 15, pp. 19–28, 2026 DOI:10.6000/1929-5995.2026.15.03<br><br>**6.** Raju, S. N., Devi, S. H. K., Ajeya, K. P., & Prashantha, K. (2025). An investigation on the properties of PLA/TPU polymeric blend system as a 3D printable material. GRENZE International Journal |

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| | of Engineering and Technology, 11(2), 1476–1482, JSS Science and Technology University, Mysuru–570006, Karnataka, India |
| **Research Projects / Consultancy Undertaken** | |
| 1. Funding Agency | **Nil** |
| 2. Fund Received ( In Rs) | |
| FDP /STTP/Technical Seminar Organised and Participated as a Resource Person | **FDP'S attended**<br><br>1. Prof. Suchetha N. Raju successfully completed the eight-week NPTEL online course on "Processing of Polymers and Polymer Composites," conducted from January to March 2026 by the Indian Institute of Technology Roorkee, scoring 78% and earning an Elite certificate with three recommended credits.<br><br>2. Prof. Suchetha N. Raju, Assistant Professor at Sri Jayachamarajendra College of Engineering, JSS Science and Technology University, successfully completed the 44-hour Faculty Development Programme (3 credits equivalent) on "QT-09: Engineering Foundations of Quantum Technologies," jointly organized by the Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT Roorkee, IIT Guwahati, and IIITDM Jabalpur, from 10 April 2026 to 2 May 2026, with funding from the Ministry of Electronics and Information Technology (MeitY).<br>3. Suchetha N. Raju participated in the two-week industrial training programme on "Plastic Processing Techniques and Quality Control," organized by the Central Institute of Petrochemicals Engineering and Technology (CIPET), Mysuru, from 13.07.2026 to 25.07.2026.<br><br>4. Suchetha N. Raju participated in the four-day programme on "Recent Trends in Polymer Processing, Product Design and Applied Rheology," organized by the Department of Polymer Science and Technology, SJCE, Mysuru, from 09.08.2023 to 12.08.2023, sponsored by VGST, KSTePS<br><br>5. Suchetha N Raju Completed a Two-Week Refresher Course in Mathematics organized by the Teaching Learning Centre, Ramanujan College, University of Delhi, from 13 July 2023 to 26 July 2023, sponsored by the Ministry of Education, Government of India.<br>6. Suchetha N Raju attended one-week national level FDP (online) titled " Mathematical applications: AI Neural networks and Vedic Mathematics" from 11-03-2025 to 17-03-2025 organized by department of humanities and sciences, Sri Venkateshwara college of Engineering and Technology (Autonomous) and ACT academy Kerala.<br>7. Suchetha N Raju attended one day technical symposium on "Advances in Polymer Technology" organized by Department of |

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| | Polymer Science and Technology, SJCE, JSSSTU, Mysuru India on 14th December 2024.<br>8. Suchetha N Raju attended two weeks national level workshop (online) on "Research methods and data analysis" from 23-07-2024 to 01-08-2024 organized by ACT Academy Kerala unit.<br>9. Suchetha N Raju attended two weeks Industrial training program in Government Toll Room and Training Centre (GTTC) from 19-08-2024 to 02-09-2024 on "Programming of Industrial Robotics"<br>10. Suchetha N. Raju, Assistant Professor in the Department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, participated in the Seven-Day National-Level Faculty Development Programme (Online Mode) titled "Industrial Revolution: Role of Higher Education in Developing the Future Workforce," conducted by A.C.T. Academy, Tamil Nadu, in association with Academic & Research Conglomerate (ARCON) and Academic & Research Activity Group (ARAG), from 22.05.2023 to 29.05.2023.<br>11. Suchetha N. Raju, Assistant Professor in the Department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, Mysuru, participated in a One-Week National-Level Faculty Development Programme on "Use of ICT in Teaching Learning Process," jointly organized by the School of Arts and Humanities, Dr. Subhash University, Junagadh, Gujarat, and A.C.T. Academy, Kerala, from 21.11.2024 to 27.11.2024. |
| Achievements | **Nil** |
| Professional Membership | 2) M-IRI<br>3) LM-IPI |