FACULTY WEBSITE PROFILE

Name of The Faculty	Dr. Chandresh M. P. 
Designation	Assistant Professor
Qualification	BE, MTech, PhD
E Mail ID	**chandreshmp@sjce.ac.in**, **chandreshmp@jssstuniv.in**,
LinkedIn ID	www.linkedin.com/in/chandresh-m-p-29246488
ORC ID	0000-0002-0583-7286
Contact Number	+91 8988723388
Work Experience	
1. Teaching	18 years
2. Industry	2 years
3. Research	18 Years
4. Other	Voluntary services at various NGO / NPO for 25 years
Area of Specialization	Polymer Science and Technology
Subjects Taught	
1. UG Level	1. Organic, Inorganic and Physical Chemistry 2. Polymer Science 3. Polymer Chemistry 4. Polymer Physics 5. Transport Phenomena in Materials Engineering-1 6. Materials Science and Engineering 7. Compounding Technology 8. Rubber Technology 9. Polymer Analysis, Evaluation & Characterization 10. Polymer Structure Property Relationship 11. Processing Technology-1 12. Testing of Polymers 13. Polymer Blends & Alloys 14. Polymer Composites 15. Research Methodology 16. Engineering Plastics

	17. Polymer Recycling 18. Thermoplastic Elastomers 19. Universal Human Values 20. Product Design 21. Innovation and Design Thinking 22. Nanotechnology / Nanomaterials 23. Smart & Functional/Intelligent Materials 24. Polymers for biomedical applications
2. PG Level	1. Polymer Science / Polymer Chemistry 2. Polymer Analysis, Evaluation & Characterization 3. Polymer Structure Property Relationship 4. Polymer Blends & Alloys 5. Nanotechnology / Nanomaterials 6. Smart & Functional/Intelligent Materials
Research Guidance	
1. Under Graduate Level	i. AY 2023–24: "Fuller's Earth as Natural Filler in Tyre Tube Compound to Replace Carbon Black"; Mahek Khan, Yogananda K. M., Avinash T. N. and Anantha Kumar M.; Department of PST, SJCE, JSSSTU, Mysuru. ii. AY 2024–25: "Energy Efficient Toughening of Recycled Polypropylene for High Impact Load Applications"; Mahek Khan, Yogananda K. M., Avinash T. N. and Anantha Kumar M. KSCST-sponsored project; related paper received the Second-Best Paper Award at POLYCON 2025. iii. AY 2025–26: "Effect of Bio-Based Plasticiser Liquid Farnesene Rubber (LFR) in SBR-Based Tire Tread Compound,", Abdul Razaq and Vasil Ahmed Khan. Department of PST, SJCE, JSSSTU, Mysuru.
2. Post Graduate Level	i. M.Tech. in MSE, 2023-24: "Fabrication of Stand-Alone Chitosan Membrane for Electrochemical Applications"; Deeksha R.; work carried out at Vimano EWA Pvt. Ltd. ii. M.Tech. in MSE, 2024-25: "Investigating rice-husk-ash-derived silica as a sustainable reinforcing filler for partial or complete replacement of carbon black in natural-rubber tyre tread compounds", M. V. Sinchana Udupa, (Co-guided with Mr. Gnanasandeep, DBCOE).
3. PhD	-
Publication Details	
1. Inter National Journal 2. National Journal	i. **M. P. Chandresh,** C. D. Ani Dechamma, M. Bhavana, N. Rameshwara, and S. Roopa. "Toughening of unsaturated polyester resin by solid

elastomers and liquid rubbers: A review." International Research Journal of Engineering and Technology, vol. 8, issue 4, 2021, pp 4885-4891. [03 May 2021: (e-ISSN: 2395-0056, p-ISSN: 2395-0072). Retrieved from IRJET-V8I4937.pdf (overall impact factor: 7.529 as per 'journal specific calculation') (indexed: Open access journal & google scholar; Publisher: Fast track publications)].

ii. **M. P. Chandresh,** S. Roopa, and Siddaramaiah. "Liquid isoprene rubber as a safe processing aid in natural rubber compounds". Rubber Science, volume 34, issue no. 1, 2021, pp 91-100. [(29 June 2021): (e-ISSN: 2454-485X, p-ISSN: 2454-4841). Retrieved from http://www.rubberscience.in/ (NAAS score: 4.22) Published by: Rubber Board, Ministry of Commerce & Industry, Government of India; indexed in: Google Scholar]. Rubber Science

iii. **Chandresh Mysore Parameshwaraiah,** S. Roopa and Bhavana M. "Liquid butadiene rubber as safe process-aid in natural rubber product: a substitute for carcinogenic aromatic oils", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering Vol. 9, Issue 10, October 2021: 57-60. (ISSN (O) 2321-2004, ISSN (P) 2321-5526), DOI: 10.17148/IJIREEICE.2021.91010. (Overall impact factor: 8.01 as per 'journal specific calculation').

iv. **Chandresh Mysore Parameshwaraiah** and S. Roopa, "Impact Modification of SAN by Dynamic Vulcanization with Liquid Isoprene Rubber", Journal of Xi'an Shiyou University, Natural Science Edition, Vol. 18, Issue 2, February 2022: 194-198. (ISSN 1673-064X). Retrieved from https://www.xisdxjxsu.asia/ (IF: 0.75) published by Xi'an Petroleum University.

v. **M. P. Chandresh**, S. Roopa and C. D. Ani Dechamma. "PS/LIR dynamic vulcanization: new approach in TPV development using liquid rubber for impact modification", Polymer Bulletin, Springer Nature, Vol. 81, Page 5443–5457, (Issue: April 2024). DOI: 10.1007/s00289-023-04953-9. (Q2, IF:3.2) Electronic ISSN 1436-2449; Print ISSN 0170-0839.

vi. Sachhidananda, S., Nithin, K. S., Nanjundaswamy, G. S., Jagajeevan Raj, B. M., Chandresh, M. P., & Roopa, S. (2026). Flexible PVA Composites with Strontium-Doped Cerium Oxide NPs for UV-Shielding Applications. Journal of Applied Polymer Science, 143(14), e70392. https://doi.org/10.1002/app.70392.

	vii. Pradeepa, K. G., Roopa, S., **Chandresh, M. P.,** & Kavya, D. K. (2026). Valorization of coconut shell waste into regenerated cellulose for poly(vinyl alcohol) biofilms: Structural, morphological and thermal characterization. Next Materials, 13, 103471. https://doi.org/10.1016/j.nxmate.2026.103471
3. Conferences	i. **Chandresh M. P.** and S. Roopa, Low molecular weight rubber for TPV development: an alternate approach for toughening of bioplastic, Second International Conference on Advanced materials for Health, Energy and Environment (AMHEE 2023), 28 Feb – 02 March 2023, OP-10, Pp 168. ii. Sushanth S. Poojary, Ani Dechamma C. D., Bhavani V., Vybhavi G. M., S. Roopa and **Chandresh M. P.,** Development of Banana Pseudo Stem-based Paper Products: Substitution to Wood-based Paper Products, 14th International Conference on Advancements in Polymeric Materials (APM-2023), 9th – 11th March 2023. iii. Ani Dechamma C. D., **Chandresh M. P.,** and Roopa S., 'Development of oligomer-based thermoplastic vulcanizate: A novel and energy efficient approach for toughening of polystyrene', International Conference on Advances in Engineering & Technology (ICAET 2023), 12th & 13th April 2023 (in hybrid mode, organized by Govt. Eng. Coll., K.R.Pet; Ref: ME031). iv. Dhanush, Yogeesha, S. Roopa, **Chandresh M. P**., and Pradeepa K. G., "Effect of Bio-Based Plasticizer 'Liquid Farnesene Rubber' in Tyre Tread Compound", IRMRA's 24th Rubber Conference & Expo, Chennai, Sustainability & Circular Economy – Challenges and Opportunities for Rubber Industry, 21st – 23rd Sep 2023, PP 51. v. Pradeepa K. G., S. Roopa and **Chandresh M. P.** Preparation and characterization of polyvinyl alcohol film reinforced with cellulose, isolated from coconut shell powder at Asia – Australasia Regional conference (PPS2023) organized by Polymer processing academy during 29th November to 2nd December 2023, at Kovalam, Kerala, India. vi. 3rd **place** in paper presentation won by **Millan Bomb** (8th semester BE in PST), Naveen Urs, **Chandresh M. P., & S. Roopa,** for their research work entitled "Review on Functionalized SBR based Tire Tread Compound", at National level technical symposium (Elastoplaza-24), jointly organized by Madras Institute of Technology, Anna University,

	Chennai and Society of Plastics and Rubber Technologists, on 16th March 2024, **Sponsored by Kobelco and AIRIA.** vii. Pradeepa.K.G, S Roopa and **Chandresh M. P.** Effect of regenerated cellulose derived from coconut shell powder on functional properties of poly vinyl alcohol-based bio composites in APA-EPNOE-GFL International conference on Polymers for Advanced Technology, during 16th October 2024 to 18th October 2024 at Ramada by Wyndham, Jaipur, India. viii. S. Roopa, M. P. Chandresh and K. G. Pradeepa, Advancing Sustainability in the Polymer Industry: A Comprehensive Review of Eco-Friendly Practices and Innovations at International conference (POLTMERA 2024) on recent advances in polymer science: Synthesis, Processing and applications jointly organized by School of Polymer Science and Technology, Mahatma Gandhi University, Kottayam and Rubber Technology Center, IIT Kharagpur during 01st to 4th December 2024. ix. Subin Thomas, S. Roopa, M. P. Chandresh and K. G. Pradeepa, Effect of Carbon Nanotube on the Thermal Conductivity of Tire Curing Bladder, International Rubber Conference – RubberCon 2024, Sustainable Development In Rubber Industry – Challenges & Opportunities 5th, 6th & 7th December 2024, Le Meridian Hotel Kochi Kerala India x. S. Roopa, M. P. Chandresh and K. G. Pradeepa, Sustainable Rubber Compounding- challenges & opportunities with eco-friendly additives, Effect of Carbon Nanotube on the Thermal Conductivity of Tire Curing Bladder, International Rubber Conference – RubberCon 2024, Sustainable Development In Rubber Industry – Challenges & Opportunities 5th, 6th & 7th December 2024, Le Meridian Hotel Kochi Kerala India xi. 2nd **place** in paper presentation won by: Ananth Kumar M., Avinash, T. N., Khan, M., Yogananda, K. M., Chandresh, M. P., & Roopa, S. (2025, May 15-16). Enhancing impact resistance of recycled polypropylene through reactive blending: A contribution to circular economy. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India.

	xii. Udupa, M. V. S., Roopa, S., & Chandresh, M. P. (2025, May 15-16). Eco-friendly synthesis of silver nanoparticles from fruit waste. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India. xiii. Sachhidananda, S., Nithin, K. S., Nanjundaswamy, G. S., Raj, B. M. J., Chandresh, M. P., & Roopa, S. (2025, May 15-16). Development and evaluation of PVA/$CaCeO_3$ nanocomposite films for UVB shielding applications. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India. xiv. Kulsum, U., Rathod, S., Chandresh, M. P., Roopa, S., Babu, A., & Pradeepa, K. G. (2025, May 15-16). LIR vulcanizates for energy-efficient SAN toughening: Morphology-property relationships in dynamically crosslinked TPEs. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India. xv. Benedict, A. J., Nidhi, C. A., Pradeepa, K. G., Roopa, S., & Chandresh, M. P. (2025, May 15-16). Novel fabrication of nano-cellulose reinforced porous scaffold by combination of solvent-casting and compression molding with NaCl leaching. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India. xvi. Benedict, A. J., Nidhi, C. A., Keerthi, R., Pradeepa, K. G., Roopa, S., & Chandresh, M. P. (2025, May 15-16). Study on the effect of polyethylene glycol and nanocellulose on crystallinity of poly (butylene adipate co-terephthalate) based bio composites. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India. xvii. Kavya, D. K., Pradeepa, K. G., Roopa, S., & Chandresh, M. P. (2025, May 15-16). Exploration of eco-friendly methods for cellulose extraction from teak wood powder. In POLYCON 2025: 8th National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health). Mysuru, Karnataka, India.

	xviii.	Pradeepa K. G*, S. Roopa, Chandresh M. P., Abhishek John Benedict V and Nidhi C. A, Sustainable 3D-Printed PLA Scaffolds Reinforced with Coconut Shell Derived Nanocellulose for Tissue Regeneration Applications, in the 18th International conference on Polymer Science and Technology (SPSI MACRO 2025) held on15th to 18th December 2025, at IIT Kharagpur Research Park, Kolkata, India
	xix.	Chandresh, M. P., Roopa, S., & Pradeepa, K. G., "Elastomeric Materials for Coupled Extreme Environments: Cryogenic, High-Pressure and Corrosive Service Conditions," Invited Paper, 4th International Conference on Recent Trends in Materials Science & Devices (ICRTMD-2026), Department of Physics, J.V.M.G.R.R. College, Charkhi Dadri, Haryana, India, April 6–8, 2026, p. 249, Research Plateau Publishers, India, ISBN: 978-81-686272-1-5.
	xx.	**Chandresh M. P.,** Roopa S., Akhil Babu and Pradeepa K. G., "Preparation and characterization of SAN/ liquid isoprene rubber blends", (POLYCON) Eighth National Conference on Advanced Polymeric Materials and Applications (Energy, Environment and Health).
	xxi.	Apeksha G., Hemavathi G. K., Pradeepa K. G., S. Roopa and Chandresh M. P. "From Waste to Wonder—Exploring Nanocellulose Production and Characterization." International Conference POLTMERA 2024 on Recent Advances in Polymer Science: Synthesis, Processing and Applications, jointly organized by the School of Polymer Science and Technology, Mahatma Gandhi University, Kottayam, and the Rubber Technology Centre, IIT Kharagpur, 1–4 December 2024.
	xxii.	Deeksha M., Pradeepa K. G., S. Roopa and Chandresh M. P. "Nanocellulose-Reinforced Polymer Composites: Exploring Properties and Multifaceted Applications." International Conference POLTMERA 2024 on Recent Advances in Polymer Science: Synthesis, Processing and Applications, jointly organized by the School of Polymer Science and Technology, Mahatma Gandhi University, Kottayam, and the Rubber Technology Centre, IIT Kharagpur, 1–4 December 2024.
	xxiii.	Pradeepa K. G., S. Roopa, Chandresh M. P., Abhishek John Benedict V and Nidhi C. A. "Comprehensive Analysis of Porous PLA Scaffolds Using NaCl Porogen and Green Solvent." International Conference on Polymers for Sustainable Development 2025, organized by the

	Department of Chemistry, JSS Academy of Technical Education, Bengaluru, in association with the Faculty of Chemistry, Department of Biomaterials and Cosmetics, Nicolaus Copernicus University, Toruń, Poland, 7 February 2025. xxiv. Chandresh M. P. and S. Roopa. "Dynamic Vulcanization of Liquid Rubber: A Novel Approach to Enhance the Impact Strength of Brittle Plastics." Rubber Research Fair 2025, held during the 6th Global Rubber, Latex & Tyre Expo (GRTE 2025), Bangkok International Trade & Exhibition Centre, Thailand, organized by TechnoBiz, 12–14 March 2025.
4. Patents	i. Rais, **Chandresh** et. al., "Smart IOT based recharging points for electric vehicles", Indian Patent, Application. No.202221007543; Published on 15 April '2022. ii. **Chandresh M. P.,** & Roopa S. "Energy efficient toughening of brittle bioplastic PLA for fracture safety enhancement through novel approach of TPV development using liquid isoprene rubber", Indian Patent, Application date: 27/07/2022 (no. 202241043001); Publication date: 05/08/2022 (no. 31/2022). iii. S. Satheesh Kumar, **Chandresh M. P.** et. al., "Thermal analysis of polymer-modified road bitumen", Indian Patent, Application number: 202241062488; Application date: 02/11/2022; Publication Date: 11/11/2022. iv. Pradeepa K. G., S. Roopa, **Chandresh M. P.** et. al., "3D Printed Micro-Channeled Mold for Fabrication of Porous Tissue Engineering Scaffolds" Indian Patent, Application No. 202541084431 A, Application date: 05/09/2025. Publication Date: 12/12/2025.
5. Books Published	i. Roopa, S., & **Chandresh, M. P.** (2021). High Energy Radiation: A Promising Media for the Synthesis of Hydrogels Free from Toxic Chemicals. In Applications of Biodegradable and Bio-Based Polymers for Human Health and a Cleaner Environment (pp. 459-493). Apple Academic Press. US, ISBN: 9781771889766 (4th June 2021). (Book editors: Edt., Iuliana Stoica, Omari Mukbaniani, Neha Kanwar Rawat and A. K. Haghi) Applications of Biodegradable and Bio-Based Polymers for Human Health (taylorfrancis.com) ii. Sarange Sreepad, S. Roopa, Pradeepa K. G., **Chandresh M. P.** (Dec 2022) 3D Printing Technology, AGPH Book, Bhopal, M. P., India. (ISBN 9789395936200).

	iii. Hemavathi A.B., Zarena A.S., **Chandresh M.P.,** Jagadish R.S., "Epoxy-Based Composite Materials for Innovative Biomedical Applications," in Innovations in Materials Chemistry, Physics, and Engineering Research edited by Eugene de Silva and Pramudi Abeydeera, IGI Global Scientific Publishing, 2023, pp. 346–370, DOI: 10.4018/978-1-6684-6830-2.ch012.
Activities & Achievements	
Details of Funded Projects	i. 2005–2006: Studies on Fabrication of Polymer Composites Using Industrial Waste as Filler. Funded student project undertaken by Chandresh M. P. and team under the guidance of Dr. Siddaramaiah. Supported by the Karnataka State Council for Science and Technology (KSCST), ₹4,500 sanctioned. Status: Completed. ii. 2024–2025: Energy Efficient Toughening of Recycled Polypropylene for High Impact Load Applications. Guides: Dr. Chandresh M. P. and Dr. S. Roopa. Students: Anantha Kumar M., Avinash T. N., Mahek Khan and Yogananda K. M. Funded by the Karnataka State Council for Science and Technology (KSCST), with financial support of ₹4,500. Status: Completed. iii. 2025–2027: Design and Development of Scalable Prototype for Treating Microplastics Released from Laundry. Investigators: Savitha U. Ulavi and Chandresh M. P. Funded by JSS Science and Technology University (JSSSTU), with financial support of ₹2,80,000. Status: Ongoing.
FDP/STTP/Seminar Technical Events Organised	i. POLYCON 2014—Sixth National Conference: Served as Joint Secretary in organising the conference on "Advances in Polymeric Materials (Energy, Environment & Health)," held on 25–26 April 2014 at SJCE, Mysuru. ii. Panel Discussion: Organised a panel discussion on "Polymers—the Materials for Future" on 9 June 2018, under the Indian Plastics Institute (IPI), Mysuru Chapter. iii. DecaTrait—One-Day Workshop: Organised a workshop for staff, researchers and students on "Application of Our Ancient Spiritual Principles to Teaching and Research," along with an interaction session on "Better Performance and Career Building," on 16 January 2019 at SJCE, JSSSTU campus. The resource person was Dr. P. R. Mukund, Professor, Rochester Institute of Technology (RIT), USA. iv. Faculty Development Programme: Served as Programme Coordinator and Organiser of the one-week FDP on "Advanced Materials for Energy, Water & Health," held during 22–27 July 2019, sponsored by TEQIP-III.

FDP/STTP/Seminar Technical Events Participated as a Resource Person	1. Delivered a technical talk on “Overview on Engineering Polymers” at the Institution of Engineers, Mysuru, on 20 January 2014, addressing a multidisciplinary engineering audience. 2. Delivered technical lectures on “Glass, Plastics and Rubbers as Construction Materials” for second-year students of the Department of Construction Technology and Management, SJCE, Mysuru, on 3 and 10 November 2017, with subsequent engagements during 2018 and 2019. 3. Delivered an invited talk on “Green Filler to Partially Replace Carbon Black in Tyre Tread Rubber Compound” on 10 July 2020, during the National Webinar “Polymers—A Century of Advancement,” held on 10–11 July 2020, organised by the Centre for Nanoscience and Technology, Amal Jyothi College of Engineering, Kanjirapally, Kerala. Co-authors: Udaykumar Chikkajjanavar, M. P. Chandresh and S. Roopa; speaker: M. P. Chandresh. 4. Delivered a national-level invited online talk on “Individual and Institutional Social Responsibilities: Extensional / Outreach Activities for Sustainability and Accreditation” through the National Digital Library of India (NDLI) Club platform, hosted by the Library and Information Centre, SJCE, JSSSTU, Mysuru, on 28 March 2023. 5. Delivered an invited talk on “Scientific Nature of Indian Culture and Significance of the Guru–Disciple Tradition for Uplifting Society,” at the invitation of Maharshi Adhyatma Vishwavidyalaya, on 3 July 2023, on the occasion of Gurupournima, at Electronics City, Bengaluru. 6. Jointly with Dr. S. H. Kameshwari Devi, delivered an awareness talk on “Polymers beyond Blame-Game” for two sections of Grade VII students at JSS Public School, on 5 September 2023, as part of the Teachers’ Day “Teach and Reach Programme,” on behalf of the Department of PST, SJCE, JSSSTU, and IPI Mysore Chapter. 7. Jointly with Dr. S. Roopa, served as a resource person for industrial training on “Fundamentals and Overview of Polymer Technology” for employees of M/s. Triton Valves Ltd., Mysuru, at their premises on 19 February 2024, from 2:30–6:00 p.m. 8. Delivered an invited societal outreach talk on “Spiritual Practice for Happiness and Establishing a Model Societal System,” organised by Hindu Jana Jagruthi Samithi, Shivamogga, on 21 July 2024, from 6:30–7:30 p.m.

	9. Delivered an invited societal outreach talk on “Overview of Righteousness and Its Sheer Necessity for Sustainability of All,” organised by Vasavi Vrunda Mysuru Paschima (Regd.), on 30 July 2024, from 7:30–8:30 a.m. 10. Delivered a societal outreach talk on “Science behind Indian Festivals and Their Contribution to the Overall Development of the Individual and Circular Economy of Society,” organised by M/s. Vasavi Trust South, on 31 August 2024, for approximately 100 participants. 11. Delivered an invited technical talk on “Biopolymers and Green Fuels” for B.E. students of the Information Science and Computer Science departments, National Institute of Engineering, North Campus, Mysuru, on 4 December 2024, under a student development programme, with approximately 120 participants. 12. Delivered a talk on “Fundamentals of Polymer Science and Its Applications in Rubber Industries” during the national-level crash course organised by IRI–Dr. Banerjee Centre of Excellence, Mysuru, on 16 February 2025, with approximately 60 participants. 13. Delivered a societal outreach talk on “Significance of Spiritual Energy in Life and Methods to Progress” at Vasavi Vrunda, Vijayanagara, Mysuru, on 18 February 2025, with approximately 60 participants. 14. Jointly with Dr. S. H. Kameshwari Devi, delivered an awareness talk on “Polymers beyond Blame-Game” for students of Hari Vidyalaya, Bogadi, Mysuru, in February 2025, on behalf of the Department of PST, SJCE, JSSSTU, and IPI Mysore Chapter. The annual record covers activities at the school and subsequently at the PST department, with approximately 80 participants. 15. Served as an invited resource person for “Plastic Waste Processing” under Extended Producer Responsibility (EPR) during a master trainer workshop for Environmental Engineers of Urban Local Bodies, organised by the State Institute of Urban Development, at ATI Campus, Lalith Mahal Road, Mysuru, on 26 June 2025, with approximately 20 participants. 16. Delivered two technical sessions on “Fundamentals of Polymer Science–3” and “Rubber Engineering” during the national-level online DIRI and PGDIRI classes, organised by the Indian Rubber Institute, on 13 July 2025, with approximately 80 participants.

	17. Delivered an invited online technical talk on “Safe and Competent Process Aid: Liquid Rubbers vs. Aromatic Oils,” organised by TechnoBiz, on 12 August 2025, for an international audience from rubber industries, institutes and universities. 18. Delivered an online expert talk on “Indian Knowledge Systems (IKS) for STEMM Research and Innovation: From Traditional Knowledge to Responsible Innovation,” hosted by the NDLI Club and Library and Information Centre, JSS Science and Technology University, on 17 July 2026. 19. Delivered an invited technical presentation on liquid-rubber-based thermoplastic vulcanizates for toughening brittle thermoplastics at TechnoBiz Rubber Week 2026, Bengaluru, on 31 July 2026. 20. Served as a resource person for two national-level online Polymer Physics sessions for D-IRI and PGD-IRI participants, organised by the Indian Rubber Institute during August 2026, covering physical properties and mechanical response of polymers, polymer dynamics, viscoelasticity, rheology and industrial applications. 21. Delivered a societal outreach talk on “Science behind Naagaaraadhane for Spiritual Elevation and Ecosystem Conservation” at Sri Vasavi Vrunda Mysuru Paschima (Regd.), Mysuru, on 18 August 2026. 22. Delivered an invited talk on “India’s Knowledge Heritage for a Changing World” at Seshadripuram Degree College, Mysuru, in August 2026, for undergraduate BCA, B.Com. and BBA students, connecting Indian Knowledge Systems with contemporary education, technology, business, management and sustainability. 23. Delivered an invited Kannada talk on “Stress Management and Spirituality” for engineering students and faculty at SJB Institute of Technology, Bengaluru, on 13 October 2026, as a resource person on behalf of Maharshi Adhyatma Vishwavidyalaya.
Achievements / Awards / Recognitions	● Best Student–Teacher Award: for three consecutive years (on 5th September of 1994, 1995, 1996) from Kendriya Vidyalaya Sangathan Mysore, reflecting an early interest in teaching and sharing knowledge within and beyond the classroom. ● 1996 - 1998: Best Student Award: Received from Kendriya Vidyalaya, Mysuru. ● 1997: Junior Qualification in Karnatic Classical Vocal Music. ● 1998: Rajya Puraskar Award from The Bharat Scouts and Guides.

	● 10 October 2021: Won the "Best Presenter" Award in the Research Scholar category for the paper "Liquid Butadiene Rubber as Safe Process-Aid in Natural Rubber Product: A Substitute for Carcinogenic Aromatic Oils," authored by Chandresh M. P., Roopa S. and Bhavana M., at the First International Conference on Green Economy for Sustainable Growth in Commerce, Science, Technology, Engineering and Management (ICGCSTEM, online). The conference was organised by RSP Conference Hub, Coimbatore, in collaboration with NSM Degree College, Mumbai; proceedings reference: p. 77. ● 22 December 2024: Saadhaka Sajjana Sanmaana Honoured by Mysuru Veerashaiva Sajjana Sangha (an organisation with 80-year legacy), for my socio-spiritual-scientific achievements and contributions to society. Felicitated by Sri Channabasavanna S. L., IPS, Director, Karnataka Police Academy, Mysuru. ● 2025: Second Best Paper Award for the paper arising from the KSCST-sponsored B.E. project titled "Energy Efficient Toughening of Recycled Polypropylene for High Impact Load Applications," at POLYCON 2025. The project was undertaken by Mahek Khan, Yogananda K. M., Avinash T. N. and Anantha Kumar M., under the guidance of Dr. Chandresh M. P. and Dr. S. Roopa.
Professional Membership	● Life Member IRI (Indian Rubber Institute), 08/12/2011: IRI-K-LM-244; Role: Joint Secretary; Educational committee member. ● Life Member IEI (The Institution of Engineers, India), 30/11/2016: M-1566061. ● Life Member IPI (Indian Plastics Institute), 11/12/2017: MYS-0298-LIF; Role: Treasurer. Coordinator: Local Student Chapter.
Others	i. Successfully completed MHRD initiative NPTEL online SWAYAM 8 weeks (26'Aug-18'Oct 2019) course on 'An introduction to Materials: Nature & Properties (Part-1: Structure of Materials)'. ii. Certified Trainer for Rubber Skill Development Council aka RCPSDC, certified by National Skill Development Corporation (ID: TR118166). March 2020. iii. Successfully completed MHRD & TEQIP initiative, NPTEL online SWAYAM course on 'Digital transformation in teaching learning process', 2 weeks during 6th to 22nd Apr 2020. iv. Got recognized as UHV & IKS trainer by Successfully completing the certified intensive courses on:

	• "Inculcating Universal Human Values in Technical Education" organized by AICTE from 9th to 13th May, 2022; • "UHV-II" organized by AICTE from 9th to 13th January 2024. • Completed the Fifth Edition of the Two-Week National Faculty Development Programme on "Bharatiya Gyaan Parampara: Science and Technology for Viksit Bharat 2047," organised by the Faculty of Management Studies, Banasthali Vidyapith, Rajasthan, in collaboration with Nucleus of Learning and Development, in online mode during 6–19 August 2026. The programme focused on Indian Knowledge Systems from a STEM perspective and their contemporary relevance and integration into teaching.