

Satyannarayana Panchireddy

M.Sc (PhD) Polymer Chemistry & Material Science

Location: Center for Education and Research on Macromolecules (CERM) University of Liege, Belgium-4000 Email: <u>Satyasjgc31@gmail.com</u> Phone: +32 466 26 76 55 LinkedIn URL: www.linkedin.com/in/satya-polymer

Area of Expertise

- Polymer Synthesis & Characterisation
- Development of Innovative polymers
- State-of-the-art Biobased Formulations
- Coatings, Adhesives, Thin Films
- Strong Analytical & Results Oriented
- Lead Interdisciplinary Projects
- International Work Experience

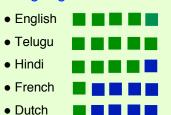
Professional Abilities

- Strong work ethic & Problem Solving
- Proactive & Self driven
- Creative & Analytical mind
- Ability to Coordinate Parallel Projects
- Ability to Adapt to Changing Situations
- Strategic Planning & Organization
- Open minded & Collaborative
- Excellent Project Management, Reliable
- Writing Professional Documents

Key skills and competencies

- Effective Communicator (oral, written)
- Excellent Interpersonal Skills
- Multi-Tasking & Flexibility
- Team Work & Time Management
- Ability to Work Under Pressure
- Conflict Resolution
- Self-motivation & Positive attitude
- Building Working Relationships

Languages



Profile
 Energetic Self-Starter, Excellent Teamwork, Collaboration and Communication Skills as

- Demonstrated by Managing Multiple Projects, Focused on Task & Maintain Flexibility.
- High-level strategic planner as Evidenced by Time, Project Management.
- Knowledge of Current Industrial Trends, Benchmarking and Design of Innovative Polymers as Evidenced by Published State-of-The-Art Materials.
- Exiting to Contribute Experience, Skills, Expertise & Proficiencies in Polymer Industries.

Work Experience

2015-Present: PhD. Researcher, University of Liege, Belgium

Responsible for Design and Development of Innovative Coating and Adhesive Formulations.

- Monitoring project risks, identify potential problems & provide strategic direction of project.
- Design polymers to meet project objectives, setup new application & Bench marking.
- Product knowledge, Conflict resolution, Project management & Budget management.
- Literature review, Authored 3-Publications, Communicated 8-Oral and 12-Posters.

2014-15: Research associate, KU Leuven, Belgium

Responsible for Preparation of Novel Thin Films by Casting, Dip Coating, Spin Coating.

- Identify any inconsistencies bring them attention to expertise & draft experimental reports.
- Responsible for project progress documentation & Schedule updates.
- Provide training, orientation and mentored to graduate students & perform lab activities.
- Maintain laboratory, equipment's, troubleshooting issues to ensure safe & productive.

2012-13: Research assistant, Indian institute of Science Education and Research, India

Responsible for Synthesis of Novel Families of Polymers, Composites, Resins for Coatings.

- Coordinated with project management and collaborations at various level of organizations.
- Supervises the technicians, conveyed in explaining complex & scientific concepts.
- Engineered complex problem-solving projects and presented performance reports.
- Manage and prioritize various projects and implement new methodologies.

2010-12: MSc. Thesis, University of Hyderabad, India

Trained in Organic and Polymer Synthesis & Structure Property Relationships

- Investigated various polymorphs for pharmaceutical drug delivery applications.
- Maintain work place, Building and maintain relationships with seniors and professors.
- Mentored and supervised 150 undergraduate students on synthesis and characterization.
- Planned cross training programs and series of projects.

Education							
2015-Present	PhD. Polymer Chemistry and Material Science	University of Liege, Belgium					
2010-12	MSc. Chemistry and Polymer chemistry	University of Hyderabad, India					
2007-10	BSc. Chemistry	SK University, India					

		An	alytical Techniques					
Daily use	NMR, FTIR, GPC Rheology ISO, ASTM Methods Thermal Analysis: DSC, TGA, DMA							
	• UV/Vis	• SEM, TEM, AFM • N	Mechanical: Tensile, Adl	nesion, Compression	 Bench Marking 			
	Extra cultural activities and Leadership experience							
	Community service Leadership experience Volunteer							
	Social attitude Organising workshops Planning and managing activities							
2016	Volunteer • Belgian Polymer Group (BPG) conference							
2015	 Indian student association of Leuven (ISAL) 							
2014	 INQUIVESTA annual meeting-IISER 							
2012	 ChemFest-conference-University of Hyderabad 							
2012	Organiser							
2010	ChemFest-conference-University of Hyderabad							
2007-	 workshops in villages to advertise the advantages of studies 							
2014	Supervised • Supervised 25 students on polymer chemistry and analytical techniques							
2010	 Provide assistance to graduates and tutoring at University of Hyderabad 							
2012-	• Taught crash course in chemistry and polymer chemistry							
2010	• T	 Taught chemistry to undergraduate students 						
	Computer skills							
Daily use	 Microsoft word 	 Outlook 	 Excel 	 PowerPo 				
Limited use	• C, C++	● Java	 Oracle 	Web des	sign			
	Hobbies							
Interest	 Running 	 Hiking 	 Swimming 	 Badminter 				
	 Travelling 	 Help community 	 Cooking 	 Volleyba 	.11			
			ships, Honors & Awar	ds				
2015-Present	FLYCOAT-Excellence programme Belgian fellowship							
2014-15	Attained KU Leuven fellowship							
2012-13	Sanctioned DRDO-JRF and CSIR-UGC fellowship							
2010-12	Received the honor of Indian-national fellowship							
2012	Qualified CSIR-JRF, CSIR-NET and GATE							
2010-12	Andhra Pradesh-merit fellowship							
2010	Received Best student award							
2007-10	Selected to receive Graduate merit fellowship by Andhra Pradesh							
2005-07	EAMCET-Welfare merit fellowship							
	Publications							
1	S. Panchireddy, JM. Thomassin, B. Grignard, Damblon, Tatton, C. Jerome and C. Detrembleur, Reinforced poly(hydroxy-							
	urethane) thermosets as high performance adhesives for aluminum substrates, Polymer Chemistry, 2017, 8, 5897–5909.							
2	<u>S. Panchireddy</u> , B. Grignard, JM. Thomassin, C. Jerome and C. Detrembleur, Bio-based poly(hydroxyurethane) glues for							
	metal substrates, Polymer Chemistry, 2018, 9, 2650-2659.							
			References					
Prof. Christine JÉRÔME		Prof. Christophe DETREMBLEUR						
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