Satyannarayana Panchireddy

M.Sc (PhD) Polymer Chemistry & Material Science

Location: Center for Education and Research on Macromolecules (CERM) University of Liege, Belgium-4000

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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

- English
- Telugu
- Hindi
- French
- Dutch

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

Analytical Techniques

Daily use	• NMR, FTIR, GPC	• Rheology	• ISO, ASTM Methods	• Thermal Analysis: DSC, TGA, DMA
	• UV/Vis	• SEM, TEM, AFM	• Mechanical: Tensile, Adhesion, 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**	• Chemical science workshop
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-	**Tutored**	• Taught crash course in chemistry and polymer chemistry
2010		• Taught chemistry to undergraduate students

Computer skills

Daily use	• Microsoft word	• Outlook	• Excel	• PowerPoint
Limited use	• C, C++	• Java	• Oracle	• Web design

Hobbies

Interest	• Running	• Hiking	• Swimming	• Badminton
	• Travelling	• Help community	• Cooking	• Volleyball

Fellowships, Honors & Awards

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,** J.-M. 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 **S. Panchireddy,** B. Grignard, J.-M. Thomassin, C. Jerome and C. Detrembleur, Bio-based poly(hydroxyurethane) glues for metal substrates, Polymer Chemistry, 2018, 9, 2650-2659.

References

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