

Soft.Matter@PT 2015

Susana Piçarra Gonçalves

Institution: IPS – Instituto Politécnico de Setúbal and CQFM-IN, Instituto Superior Técnico

E-mail: susana.goncalves@estsetubal.ips.pt

Web:

ResearcherID: E-7261-2015

LinkedIn:

ResearchGate:

Expertise: Polymer and composite materials and nanomaterials

	Colloids	Liquid Crystals	Polymers and Gels	Interfaces, surfactants	Foams, emulsions	Granular materials	Biological	Other (specify)
Experimental	✓		✓	✓	✓			
Computacional								
Theoretical								

Description of expertise:

- Coatings and adhesives.
- Synthesis of nanocomposite materials.
- Synthesis and characterization of polymeric and organic/inorganic hybrid nanoparticles.
- Colloids and interfaces
- Sol-gel
- Emulsions
- Superhydrophobic surfaces

Selected Publications (max 5):

- *Smart Polymer Nanoparticles for High Performance Water-Borne Coatings*, [Langmuir 30, 12345 \(2014\)](#).
- *The Influence of Nanoparticle Architecture on Latex Film Formation and Healing Properties*, [Journal of Colloid and Interfacial Science, 368, 21 \(2012\)](#).
- *Reactive Aqueous Emulsions for Composite Coatings*, [WO 2014/098637 \(2014\)](#).

- *Interfacial Behavior of Poly(isoprene-*b*-methyl methacrylate) Diblock Copolymers and their Blends with Polystyrene at the Air-Water Interface, [Langmuir, 23, 9310 \(2007\)](#).*
- *Coil-Globule Transition of a Pyrene Labeled Polystyrene in Cyclohexane: Polymer Chain Radii Determination by Fluorescence, [J. Phys. Chem. B, 108, 12009 \(2004\)](#).*