

Soft.Matter@PT 2015

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ResearchGate:

Expertise: Interfaces and wetting of simple fluids and liquid crystals

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

Description of expertise:

- Experimental.
- Chemistry, Materials Engineering, Liquid Crystals.
- Elastic Instabilities; Elastomers; liquid crystals; organized structures and janus membranes/particles/fibres..

Selected Publications (max 5):

- *Wrinkling Labyrinth Patterns on Elastomeric Janus Particles*, [Macromolecules](#), **44**, 9399 (2011).
- *Hierarchical Wrinkling on elastomeric Janus Spheres*, [Journal of Materials Chemistry](#), **22**, 22044 (2012).
- *Structural Luminescent elastomeric Janus particles*", [Macromolecular Journal of Colloid and Interface Science](#), **410**, 124 (2013)..
- *First Curl, Then Wrinkle*, [Macromolecular Rapid Communications](#) **34**, **20**, 1589 (2013).
- *Longitudinal versus polar wrinkling of core-shell fibers with anisotropic size mismatches*, [Physical Review E](#), **89**, 012403 (2014).