

Soft.Matter@PT 2015

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Expertise: Molecular and excited state dynamics

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

Description of expertise:

- Molecular dynamics simulation.
- Nano-segregation.
- Excited state dynamics.

Selected Publications (max 5):

- *Complex Structure of Ionic Liquids. Molecular Dynamics Studies with Different Cation-Anion Combinations*, [*Journal of Chemical and Engineering Data*, 59, 3120 \(2014\)](#).
- *Improved analysis of excited state proton transfer kinetics by the combination of standard and convolution methods*, [*Photochemical & Photobiological Sciences*, 12, 902 \(2013\)](#).
- *Picosecond Dynamics of Proton Transfer of a 7-Hydroxyflavylium Salt in Aqueous-Organic Solvent Mixtures*, [*Journal of Physical Chemistry A*, 115, 10988 \(2011\)](#).
- *Picosecond Dynamics of the Prototropic Reactions of 7-Hydroxyflavylium Photoacids Anchored at an Anionic Micellar Surface*, [*Journal of Physical Chemistry A*, 114, 4188 \(2010\)](#).
- *Photochemistry of anthocyanins and their biological role in plant tissues*, [*Pure and Applied Chemistry*, 81, 1687 \(2009\)](#).