

Soft.Matter@PT 2015

Artur J.M. valente

Institution: CQC and Department of Chemistry – University of Coimbra

E-mail: avalente@ci.uc.pt

Web: <http://ucdemo.uc.pt/en/staff/avalente/>

ResearcherID: [A-6467-2009](https://orcid.org/0000-0001-9142-1000)

LinkedIn: -

ResearchGate: https://www.researchgate.net/profile/Artur_Valente

Expertise:

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

Description of expertise:

- Reactivity in colloidal systems
- Development of functional gels and polymers.
- Transport phenomena of electrolytes and polyelectrolytes in solution and through polymers.

Selected Publications (max 5):

- What conjugated polyelectrolytes tell us about aggregation in polyelectrolyte/surfactant systems (Review), [Journal](#) of Molecular Liquids. 2015. In press. 10.1016/j.molliq.2015.04.012
- Plasmid DNA Hydrogels for biomedical applications (Review). Adv. Colloid Interface Sci. 2014;205:257. 10.1016/j.cis.2013.08.002
- The formation of host-guest complexes between surfactants and cyclodextrins (Review). Adv. Colloid Interface Sci. 2014;205:156. 10.1016/j.molliq.2015.04.012
- Interpreting the rich behavior of ternary DNA-PEI-Fe(III) complexes. Biomacromolecules 2014, 15, 478.
- Effect of Cyclodextrins and pH on the permeation of tetracaine: Supramolecular assemblies and release behavior. Int J Pharmaceutics 2014;466:349