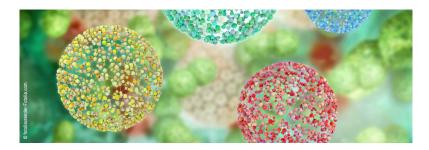
Thermodynamics and energetics of soft matter systems



Contribution ID: 7 Type: oral

Lecture 7: Solvation and Solubilization

Thursday, 26 July 2018 14:00 (1h 30m)

Ideal and real mixtures and solutions. Molecules and macromolecules in solution. Free energy of solvation, chemical potentials, activity coefficients: experimental and theoretical approaches. A microscopic view from homogeneous to structured solutions: osmolytes, hydrotropes, surfactants. Concepts from Kirkwood-Buff theory. Solubilization in micro-structured solvents.

Presenter: Dr HORINEK, Dominik