

The SOLvE Colloquia

Seminars on the Determination, Analysis and Use of Thermodynamic Data
in Solution Equilibria and Chemical Speciation

October 21st, 2022



Advances in SOLution Equilibria

Experienced lecturers will provide focused theoretical background, practical aspects and tips for high-quality experimental data collection and clues for robust data analysis through different models.

Application of various techniques to cutting-edge research will be also highlighted.

Invited speakers



Prof. Tarita **BIVER**
University of Pisa (Italy)



Prof. Demetrio **MILEA**
University of Messina (Italy)



Prof. Carmelo **SGARLATA**
University of Catania (Italy)

Programme

- 09:00 – 09:05** Opening
- 09:05 – 09:15** Dr. Sofia **GAMA**, University of Białystok (Poland)
"NECTAR CA18202 COST Action and its activities"
- 09:15 – 10:00** Prof. Demetrio **MILEA**, University of Messina (Italy)
"Experimental details on data generation: Potentiometry"
- 10:00 – 10:15** Anna **BARYŁKA**, University of Białystok (Poland)
"Thermodynamic protonation parameters of a tryptophan metabolite and its molecular precursors: a potentiometric study at different temperatures."
- 10:15 – 11:00** Prof. Carmelo **SGARLATA**, University of Catania (Italy)
"Determining the driving forces of molecular recognition events and host-guest complex formation in solution"
- 11:00 – 11:3** Coffee Break
- 11:30 – 12:15** Prof. Tarita **BIVER**, University of Pisa (Italy)
"On the mechanism of the binding of metal complexes to biosubstrates: the spectroscopic contribution"
- 12:15 – 13:00** Prof. Beata **GODLEWSKA-ŻYŁKIEWICZ** and Dr. Barbara **LEŚNIEWSKA**, University of Białystok (Poland)
"On the speciation of metals - through the Looking-Glass"
- 13:00 – 13:30** Round table/Conclusions: *"The future of Chemical Speciation and Solution Equilibria"*