

## Curriculum Vitae Dr. Francesca Soavi

Laboratory of Electrochemistry of Materials for Energetics- LEME  
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### Current Position

Francesca Soavi is Assistant Professor in the Department of Chemistry "Giacomo Ciamician", Bologna University. Since 2017 she is Chair Elect of Division 3 - Electrochemical Energy Storage and Conversion, The International Society of Electrochemistry. In 2018, she co-founded of the Innovative StartUp Bettery S.r.l. ([www.bettery.eu](http://www.bettery.eu)) that aims to develop novel Li/O<sub>2</sub> flow batteries. The scientific activity is acknowledged by publications of 84 peer-review papers on international Journals and Proceedings, 7 Book Chapters, one encyclopedic entry, 2 patents, more than 130 participations in national and international conferences

### Research skills

Electrochemistry, chemical physical characterization and synthesis of materials (nanostructured and porous carbons, transition metal oxides, electronically conducting polymers, organic electrolytes including room temperature ionic liquids) for energy storage and/or conversions systems (Supercapacitors, Li-ion batteries, Li/O<sub>2</sub> batteries, PEMF fuel cells) for transportation, stationary and portable applications (flexible, thin micro-supercapacitors) and for microbial fuel cells for water treatment. Integration of supercapacitors in electronics and energy harvesters for low- and self-powered devices: electrolyte gated transistors/micro-supercapacitor and microbial fuel cells/supercapacitors.