



**Università
degli Studi
di Palermo**



**Dottorato in
Scienze Molecolari e
Biomolecolari**

From Conventional Solvents to Ionic Liquids and Eutectic Systems—and Back: Lessons from the Lab

Invited Speaker:

Prof. Isabel M. Marrucho

Centro de Química Estrutural, Instituto Superior Técnico,
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Ionic liquids and deep eutectic solvents are emerging as tunable alternatives to conventional solvents for sustainable processing. This talk will highlight their application in biomass valorization and plastic recycling, focusing on selective dissolution, fractionation, and material transformation. Drawing on practical experience, key challenges such as legislation, scalability, and solvent recovery will also be addressed. Overall, the presentation will provide a critical perspective on when these advanced solvents offer real advantages for circular processes.



Date

4th May 2026



Time

15:00



Where

**AulaC, Edificio 17
Viale delle Scienze,
Palermo**