

## Avviso di Seminario

Il giorno 25 giugno alle ore 11.00, la Prof. Magdalena Cid del Departamento de Química Orgánica dell'Università di Vigo terrà un seminario dal titolo

### Characterization and Chiroptical Properties of Chiral Alleno-Acetylenic Cyclophanes

Presso l'aula seminari IPCF/ICCOM del CNR, Pisa. Tutti gli interessati sono invitati a partecipare

Fabrizio Santoro

#### Abstract

Cyclophanes are systems containing at least one aromatic moiety bridge by saturated or unsaturated chains that with the aromatic unit form a macrocyclic structure. Alleno-acetylenic cyclophanes with different aromatic cores have been prepared in enantiomerically pure forms from the corresponding optically active diethynylallene. These cyclophanes classify as shape persistent macrocycles since the presence of the allene moieties limits the conformation equilibria.

Their full characterization has been achieved by the interplay of several spectroscopies, such as NMR, CD, UV-Vis, and X-ray single crystal diffractometry along with theoretical calculations.