

SYLLABUS DEL CORSO

Supramolecular chemistry, crystal engineering, and solid-state reactions

2223-116R-M8

Titolo

Supramolecular Chemistry, Crystal Engineering, and Solid-State Reactions

Docente(i)

Prof. Leonard MacGillivray, University of Iowa (USA)

Lingua

English

Breve descrizione

The course aims at giving a short introduction to supramolecular chemistry - an area that bridges chemistry, physics, and biology through exploiting noncovalent bonds - as related to organic solids. The course will address in particular the following topics mostly related to crystal engineering and chemical reactions in the solid state.

1. Supramolecular Synthons in Crystal Engineering
2. Chemical Reactions in Crystals

3. Supramolecular Covalent or Covalent Bond Formation in the Solid State
4. Emergence of Mechanochemistry and Pharmaceutical Cocrystals

CFU / Ore

1 CFU / 8 hours

Periodo di erogazione

Sustainable Development Goals

ISTRUZIONE DI QUALITÁ
