

Zeolites – properties and applications

Prof. Alessio Langella

12 hours – 3 CFU

Short program:

- Zeolites – hydrothermal and sedimentary genesis - 1 hour
- Properties of zeolites (cation exchange capacity, molecular adsorption, dehydration, catalytic behaviour) - 3 hours
- Industrial applications of zeolites (building constructions, wastewater treatment, animal nutrition, agriculture, pharmacology - 8 hours

Prerequisites: basic knowledge of mineralogy