

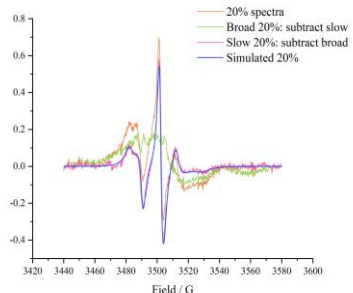


UNIVERSITY OF NAPOLI "FEDERICO II"
POLYTECHNIC AND SCIENCE SCHOOL
Department of Chemical Sciences
Ph.D. School in Chemical Sciences (40° Cycle)



Project presentation

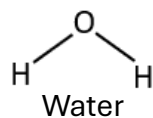
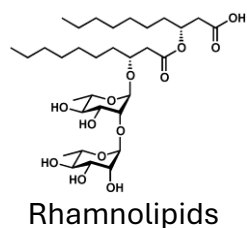
Analysis



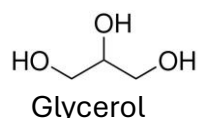
EPR resonance

NMR
SAXS
cryo-EM

Green
chemistry
applications



Or/and



Spontaneous
aggregation

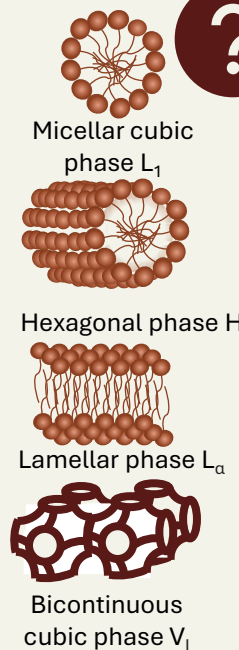
$\text{NH}_4\text{CH}_3\text{CO}_2$
 NaCl
 Na_2SO_4

Additives
Time

Colloidal solution
of supramolecular
assembly

Coacervates

Liquid-liquid
phase separation



?

Ph.D. Student:

Matilde Tancredi

Title:

Multifunctional biobased
formulations:
from the supramolecular
aggregation to the
structural/functional
properties



Drug delivery



Pollutant removal



Laboratory scale formulation