



Polymer Processing with High-pressure Fluids

MODIFICATION OF POLYMER PROPERTIES USING SUPERCRITICAL FLUIDS

KEY WORDS

SUPERCRITICAL FLUIDS,

POLYMER MODIFICATION,

PROCESSING

DESCRIPTION

Knowledge, experience, and experimental capacity to process polymeric materials with supercritical CO₂ to modify their structure, crystallinity, porosity, etc., and to incorporate additives and active agents.

APPLICATIONS

Porous materials, aerogels, active films for food packaging, biomaterials, controlled release of active ingredients, water-free coloring and dyeing of fibers.

CONTACT US

laura.goni@unc.edu.ar

nicolas.ganan@unc.edu.ar

[Universidad Nacional de Córdoba](#)