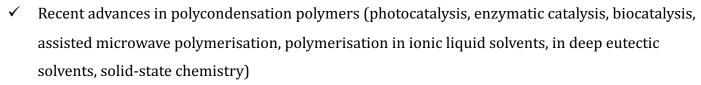


## https://polycond-2024.sciencesconf.org/



## **Topics**:



- ✓ Polymers from biosourced monomers (synthesis, properties)
- ✓ Polymers from direct arylation reaction (synthesis, properties)
- ✓ Multi-component polycondensation
- ✓ Functional polymers: synthesis, properties (ionic conducting properties, optoelectronic properties, gas permeation properties, electrochemical properties, electrochromic properties)
- ✓ High performance polymers: synthesis, properties
- ✓ Polymers of intrinsic microporosity: synthesis, properties
- ✓ Hybrid organic / inorganic materials
- ✓ Polymer processing: Extrusion, reactive extrusion, injection molding, 3D printing, electrospray/spinning
- ✓ Polycondensation and artificial intelligence (machine learning)
- ✓ Thermosetting materials
- ✓ Recycling/depolymerisation of polycondensates
- Covalent Adaptable Networks





## A wide range of application fields

Polymers for the development of new materials to answer current societal issues concerning:

3	Renewable energy:  Materials for batteries, fuel cells, redox-flow batteries, supercapacitors
<b>]</b>	Optoelectronics, Electric and Electronic applications: OLED, smart windows,
<b>_</b>	Membrane separation processes : water desalination, gas separation purposes, water purification
<b>_</b>	(Bio)medical applications: High-tech prothese, anti-bacterial material

Others (Packaging, automotive applications)