

Study of the structure, dynamics and phase transitions of complex molecular systems and nanosystems

Molecular dynamics/properties of:

- **Small molecular liquids,**
- **H-bonded materials,**
- **Ionic liquids**
- **Polymers,**
- **Ceramics,**
- **Pharmaceutics,**
- **Hybrid MOFs**

studied at various p-T conditions and e.g., in confinement.

Experimental methods:

- **Broadband Dielectric Spectroscopy at low and high pressure conditions**
- **X-ray diffraction**
- **DSC**
- **Molecular Dynamics**
- **Infrared and Raman spectroscopy**

