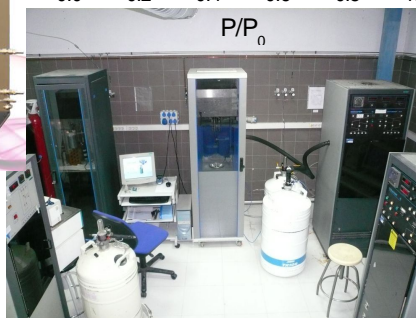
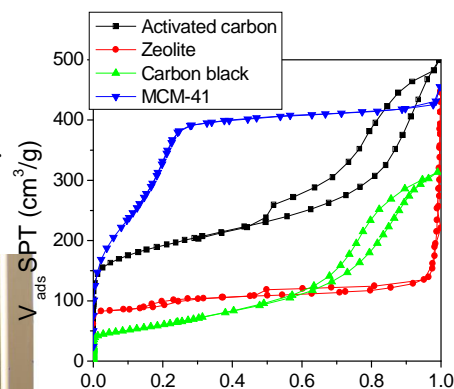


## POROSITY CHARACTERIZATION

### **GAS ADSORPTION** (N2Gisorb-6 from G2MTech)

- Different gases of analysis (N<sub>2</sub>, CO<sub>2</sub>, H<sub>2</sub>, CH<sub>4</sub>, Ar).
- Temperature range: -196°C-25° C.
- Sensor transducers: (1+10+ 1000) torr.
- High precision isotherm (Relative pressure range: 10<sup>-7</sup> to 1).
- Automatic analysis of surface area and pore size distribution.
- High-precision adsorption of vapours.
- High-pressure adsorption system up to 200 bar (iSorb HP2).



### **ADSORPTION MICROCALORIMETRY** (Setaram BT2.15D)

- Analysis of different gases (CO, CO<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>,...)
- Simultaneous measurement of isotherm and enthalpy of adsorption.
- Analysis temperature range: -196°C – 25° C.



### **IMMERSION CALORIMETRY** (Setaram C80D).

- Liquids with different molecule size.
- Determination of micropore size distribution of the materials.
- Analysis of the surface area, micropore volume and surface chemistry.



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