

WINTER SCHOOL Advanced techniques for the analysis of novel materials strategic for sustainability transitions. 1 – BIOPOLYMERS

Department of Chemistry and Industrial Chemistry – University of Pisa
 Via G. Moruzzi 13, 56124 PISA

DAY 1 February 10th	
09:30 – 10:00	Opening Ceremony
10:00 – 10:45	Biomaterials obtained by waste for smart application for human health – Giovanni Vozzi
10:45 – 11:15	Coffee Break
11:15 – 11:40	Introduction to the biopolymers under study – Elena Pulidori
11:40 – 12:40	Introduction to applications of liquid NMR – Andrea Cesari
12:40 – 14:00	LUNCH Break
14:00 – 15:00	Introduction to the Py-GC/MS with micro UV-irradiator instrument – Marco Mattonai
15:00 – 16:00	Introduction to the TGA-GC/MS & TGA/FTIR instruments – Celia Duce
16:00 – 16:30	Coffee Break
16:30 – 17:30	Introduction to the 500 MHz Solid State NMR instrument – Francesca Martini
17:30 – 18:00	Beer, chips & info

DAYS 2-3-4 February 11th – February 13th	
09:00	Meeting in the hall to be divided in 2 groups
09:05 – 13:00	Each group works on a different instrument cycling through the 3 days
in the morning	Coffee Break
13:00 – 14:00	LUNCH Break
14:00 – 16:00	Working on the instrument and data analysis
16:00 – 16:30	Coffee Break
16:30 – 18:00	Working on the instrument and data analysis

DAY 5 February 14th	
09:00 – 13:00	Data analysis in the classrooms
in the morning	Coffee Break
13:00 – 14:00	LUNCH Break
14:00 – 16:00	Data analysis in the classrooms
16:00 – 16:30	Coffee Break
16:30 – 18:00	Closing remarks