

Corso di Dottorato in Scienze Chimiche, Geologiche ed Ambientali

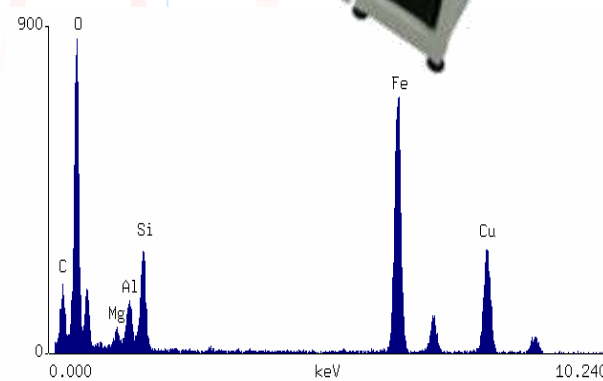
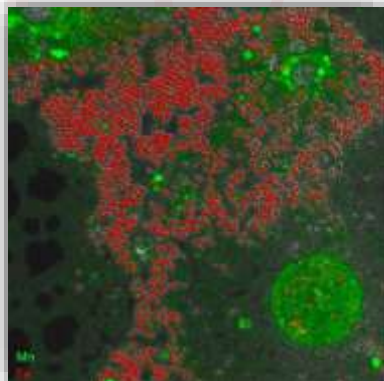
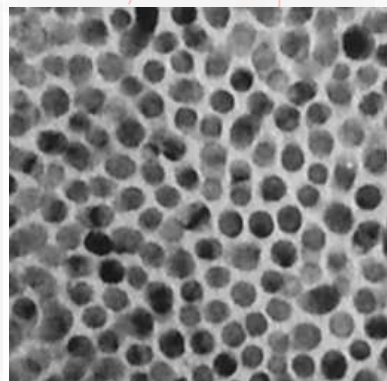
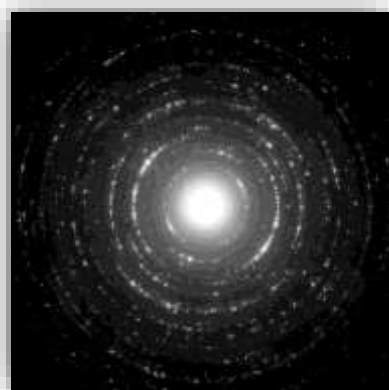
“*Scanning and Transmission Electron Microscopy, Principles and Applications*”

Scanning and Transmission Electron Microscopy are powerful techniques for the characterization of materials at a very fine scale. They are potentially of interest for all the scientific fields addressed in this Doctoral Course. Exploiting the different signals produced by the electron matter interaction, information on morphology, structure, and composition of solid materials from the micrometre to the nanometre scale is possible. The course will provide with the principles governing electron microscopy, the sample preparation, and the different operational modes available in modern instruments. Some case studies will be presented and practical sessions on the instruments installed at the Platform of Microscopy of Milano-Bicocca are planned.

❖ **Maurizio Acciarri** (Department of Material Science, University of Milano-Bicocca): Scanning Electron Microscopy in Solid Samples.

❖ **Giancarlo Capitani** (Department of Earth and Environmental Sciences, University of Milano-Bicocca): Transmission Electron Microscopy in Geology and Material Science.

❖ **Paride Mantecca** (Department of Earth and Environmental Sciences, University of Milano-Bicocca): Scanning and Transmission Electron Microscopy in Biological Samples.



Il corso vale 2 CFU e si terrà dal 3 al 11 Giugno 2021

Per registrarsi e info: <https://elearning.unimib.it/enrol/index.php?id=35048>