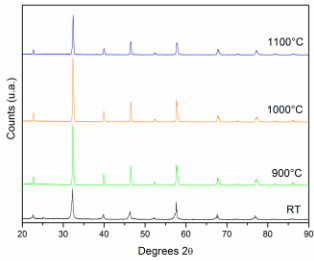
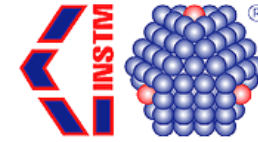
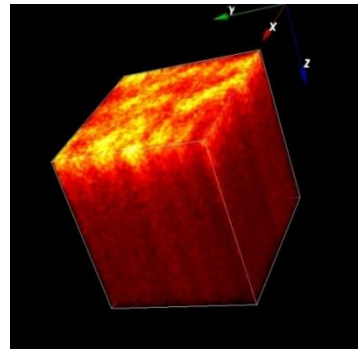
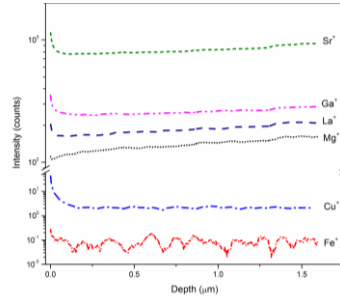


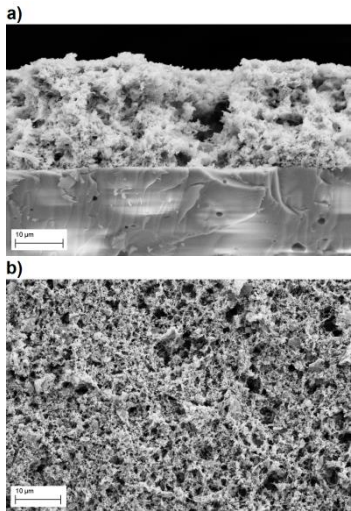
Ferriti di Lantano per Nuove Fonti di Energia (Ferriti-NFE)



XRD spectra of LSFcu e LSGM powders



SIMS profile of the LSGM surface coupled with LSFcu and haet treated at 1100 °C and 3D distribution of Cu⁺ ions on LSGM surface



SEM micrographs of LSFcu/LSGM half cell

The project has as general objective the achievement of innovative scientific results in the field of energy (solid oxide fuel cells SOFCs, photoelectrochemical reactors) and environment (environmental photocatalysis).



Innovative cathodic materials for SOFC

Photoactive material for photoelectrochemical reactor for fuel production by solar energy

Project aims:

- Analysis of the state of the art and requirements
- Development of photoactive materials in the visible range
- Development of new cathode materials
- Optimization of obtained photocatalytic materials
- Development of innovative SOFC electrode components
- Application of the process to an industrial case
- Drafting of a report and dissemination of results