

SHORT BIO:

Luciana Lisi is Director of Research at Istituto di Scienze e Tecnologie per l'Energia e la Mobilità Sostenibili of National Research Council (STEMS-CNR).

She graduated in Industrial Chemistry and received her PhD in Chemical Engineering from University Federico II of Napoli (Italy).

She is member of INSTM (Interuniversity Consortium of Science and Technology of Materials) and permanent CNR representative in ENMIX ([European Nanoporous Materials Institute of Excellence](#)).

Her scientific activity is mostly focused on the development of heterogenous catalysts for environmental applications: Catalytic post-combustion abatement of emissions from both stationary and mobile sources (SCR, DPF, DOC, TWC); Steam and dry reforming of hydrocarbons; Chemical looping processes; Advanced materials for CO₂ capture and conversion; Advanced material for natural and bio- gas purification; Catalysts poisoning and regeneration.

She has a well-established experience in the *in-situ* and *ex-situ* techniques for studies of catalytic reactions and on the development and synthesis of both powder and structured catalysts (noble and transition metal oxides, zeolites) on different substrates (honeycomb monoliths, foams, spheres).