

MARIA LUISA GRILLI



ENEA, Energy Technologies and Renewable Sources Department, Casaccia Research Centre, Via Anguillarese 301, 00123 Rome, Italy



marialuisa.grilli@enea.it



www.enea.it



Orcid ID: **0000-0002-9434-145X**

Scopus ID: **35552214500**

Research areas: Sorption-Enhanced Processes (SEG / SE-SMR); CO₂ capture, utilisation and storage (CCUS); catalysis for CO₂ valorisation and dry reforming.

Research keywords: CO₂ capture and valorization, hydrogen production, Sorption-Enhanced Gasification (SEG), Sorption-Enhanced Methane Steam Reforming (SESR), Dry Reforming of Methane (DRM).

Maria Luisa Grilli, PhD, is Senior Researcher at the Energy Technologies and Renewable Sources Department of ENEA, the Italian National Agency for New Technologies, Energy and Sustainable Economic Development. Her main research topics are R&D of catalysts for dry and steam reforming of methane, CO₂ valorization and H₂ production and R&D of materials for Solid Oxide Fuel Cells (SOFCs) and Proton Exchange Membranes (PEMs).

She is currently i) ENEA representative of the Marie-Curie Rise Project “Chemistry of Platinum Group Metals-CHemPGM”, ii) ENEA representative of the PNRIC project “NICE - Evoluzione ed Innovazione del Nodo Italiano di ECCSEL ERIC: continuità e sviluppo strategico”, iii) leader of WP3 “Sviluppo di Tecnologie CCS per l’efficientamento dell’industria HtA e il raggiungimento degli obiettivi Net-Zero” in the frame of the National Project PTR-2025-2027 “Energy efficiency of industrial products and processes” and iv) and leader of LA 3.1.2 “Sviluppo di rivestimenti a base di carbonio mediante tecniche di deposizione chimica e fisica da fase vapore e spruzzatura al plasma per applicazione in piatti bipolari in acciaio, titanio o leghe di alluminio”, Piano Operativo della Ricerca “Ricerca e sviluppo sull’idrogeno” finanziato dall’Unione Europea – NextGenerationEU – M2C2 Investimento 3.5, 2022-2025. She is Italian delegate of the Industrial Energy-Related Technologies and Systems (IETS TCP) and Deputy Member of EERA Joint Programme on Carbon Capture and Storage. She is tutor of Master Degree and PhD students. She is author of more than 120 papers in International Journals and Conference Proceedings. Her H-index is 33 according to Scopus database.