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## SHORT BIO:

Giuseppina Iervolino is currently assistant professor at the Department of Industrial Engineering of the University of Salerno (Italy). In April 2017 she obtained the PhD in Industrial Engineering (Chemical Engineering curriculum), with the thesis entitled “Advanced Oxidation Processes for Food Industry Wastewater Valorization and Treatment”. The aim of the research conducted during the PhD was the study of photocatalytic processes and the formulation of new photocatalysts for the valorization (with H<sub>2</sub> production) of waste substances present in food industry wastewater. She is currently involved in the following research topics: heterogeneous photocatalysis for hydrogen production (visible light active photocatalysts) with formulation, characterization and application of photocatalyst; DBD non-thermal plasma (with and without heterogeneous catalysts) for the abatement of emerging contaminants or microplastics in liquid phase and for the removal of VOCs in gas phase. In recent years Giuseppina Iervolino has also worked on electrification (via Joule effect) of structured catalysts for steam and dry reforming reactions. Giuseppina Iervolino is reviewer for several international scientific journals. She is editor of the following journals: *Frontiers in Chemical Engineering*, *Journal of Environmentally Friendly Processes*, *Catalyst*, *Journal of Photochemistry and Photobiology*. She has participated as a speaker and organizer in several international conferences. Since 2021 she was included in the “World’s Top 2% Scientists” ranking. To date, she is the author of 72 articles published in international journals indexed by Scopus. Scopus database: Documents 72; Citations: 2770, h-index: 32 (as of 22/06/2026).

### Guest Editor’s information

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Fields of interest: Heterogeneous photocatalysis and catalysis for environmental and energy applications; non thermal plasma processes.

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