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SHORT BIO:

Elena Semenzin is Associate Professor in Environmental chemistry at Ca' Foscari University of Venice (Venice, Italy), Dept. of Environmental Science, Informatics and Statistics (DAIS), and Delegate of the Rector for Sustainability.

She holds a Master degree in Environmental Sciences at Ca' Foscari (2002), and a PhD degree in Environmental Sciences at Ca' Foscari (2007), completed with a Marie Curie fellowship at Wageningen University (Wageningen, The Netherlands).

Her research interests are in Environmental Risk Assessment for both traditional and emerging pollutants (e.g. nanomaterials) along the life cycle of products/processes and including the Safe and Sustainable by Design (SSbD) concept; sustainability assessment (integrating tools belonging to the environmental, social and economic pillars) and, more specifically, assessment of environmental sustainability (through e.g. environmental footprints, LCA) in the circular economy context.

She has a strong expertise in Environmental Risk Assessment for contaminated sites (both aquatic and terrestrial ecosystems), focusing on the development of integrated risk indexes based on the Weight of Evidence (WoE) approach and Multi Criteria decision Analysis (MCDA) methods, and in the conceptual design of decision support systems (DSS).

She is currently scientific responsible for Ca' Foscari of the HEU projects GREENART "Green endeavor in art restoration" and BioSusTex "Towards absolute safe and sustainable biobased textile", and of the CBE JU project SurfToGreen "Bio-based sustainable SURFactants TO foster GREEN industry".

Since 2023 she is the director of the Project of Excellence (funded by the Italian Ministry of University and Research, MUR) of DAIS, and since 2024 she is the director of the Data-centric Environmental Studies Center (DESC) at Ca' Foscari University of Venice.

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