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## SHORT BIO:

**Pasquale Francesco Zito** has expertise in membrane engineering applied to gas separation and green chemistry, with particular attention to CO<sub>2</sub> capture, biogas upgrading, H<sub>2</sub> purification and techno-economic analysis. He received his master's degree in Chemical Engineering and PhD in Science and Engineering of the Environment, Construction and Energy (SIACE) from the University of Calabria. He started his activity at CNR-ITM as a research fellow, becoming a postdoctoral research fellow after earning his PhD. Permanent Researcher at CNR-ITM since November 2023, he is co-author of more than 25 scientific papers in peer-reviewed journals, 3 book chapters, various contributions in international congresses and he serves as a reviewer for several international scientific journals.