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Luisa Torsi, an elected member of the *Accademia dei Lincei* and an international member of the *National Academy of Engineering*, is internationally renowned as a pioneer in the field of bioelectronic sensors and, more recently, for the development of highly sensitive diagnostic electronic and optical platforms.

She earned a degree in Physics and a PhD in Chemistry from the University of Bari, where she has served as Full Professor of Chemistry since the age of 40. Following a postdoctoral fellowship at Bell Labs in the U.S., she developed an interdisciplinary research approach that integrates electronic devices, analytical chemistry, and organic semiconductors. She has also held a position as adjunct professor at Åbo Akademi University in Finland and Vice President of the Scientific Council of the National Research Council. Currently she is President of ARTI Puglia, the regional agency for innovation and technology transfer.

Torsi has received numerous international accolades: she was the first woman to win the Heinrich Emanuel Merck Award for Analytical Sciences, and she also received the Exner Medal, a distinction previously granted to more than 20 Nobel laureates. The Accademia dei Lincei honored her with the *Premio del Presidente della Repubblica*, conferred by the Academy and formally presented by President Sergio Mattarella. Åbo Akademi University has also conferred on her an honorary doctorate. She is a Fellow of both the Materials Research Society and the Royal Society of Chemistry, and notably, she was the first woman elected President of the European Materials Research Society.

With over 290 scientific publications, nearly 21,500 citations, and 14 patents, Torsi ranks among the top 0.58% most-cited chemists worldwide, according to ScholarGPS®. She has delivered more than 200 invited talks, including over 60 plenary lectures.

She has led numerous national and EU-funded research projects, including an ERC Advanced grant and a platform for ultra-sensitive biomarker detection applied to early cancer diagnosis. She currently coordinates a project focused on detecting Xylella in olive trees in Apulia. Her commitment also extends to science communication and the promotion of women in STEM, through TEDx talks, the 100Esperte initiative, and even a feature in the Italian Topolino magazine, where she appeared as “Louise Torduck,” a successful scientist from Calisota Valley.

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