Elia Tomás is Senior Researcher and Responsible of the Biotechnological Process Unit at IMDEA Energy. She received her PhD in Biology with International Mention from the Universidad Complutense of Madrid in 2009. After that, she worked as post-doctorate at CIEMAT for one year where she studied bioethanol production processes at industrial scale. After this period, she joined the Industrial Biotechnology Group at Chalmers University of Technology (Sweden) for 3 years and gained wide experience in yeast fermentation physiology and biotechnology. In 2014, Elia got a Marie Curie AMAROUT Postdoctoral fellowship to join IMDEA Energy to develop her career on Bioproducts and Bioenergy from alternative carbon sources. Elia was granted with a Ramón y Cajal grant (first grantee in the area of Chemical Technology) in the 2019 call. Related to this, she received the I3 certificate in December 2022.

Elia has authored more than 80 publications (h-index 31, >6.200 citations). Elia has co-authored more than 70 communications to conferences and workshops most of them international, 3 invited and 1 as Keynote speaker. She has been member of 5 scientific committees and 4 organization committees in international conferences. Furthermore, she is co-inventor of 2 patents.

She has participated in 25 European and National R&D projects. She was PI of the projects LIGNOYEAST (ENE2014-54912-R) finished in 2018 and ACMIBIO (ENE2017-86864-C2-1-R) finished in 2021. Furthermore, she was PI from IMDEA Energy for the project BIOLIGWASTE (RTC-2016-5281-5) finished in 2019 and for the international project BIOGASMENA (ERANETMED2-72-026). At national level, Elia is currently PI of the projects BIOMIO (PID2020-119403RBC21) and BIONIC (PID2023-150955OB-C33). At international level, she was main proposer and chaired the COST Action YEAST4BIO "Non-conventional yeast for the production of bioproducts" (2019-2024), which involved more than 150 scientists from 34 countries. Furthermore, she is PI and Coordinator of the Doctoral Network "Yeast-based solutions for sustainable Aviation Fuels (YAF)" (HORIZON-MSCA-2022-DN-01 2.712.859,20 €) that started in December 2023.

She has also participated as external evaluator in different competitive calls at regional, national and international level and she is member of the editorial board of the journals FEMS Yeast Research, Biotechnology for Biofuels and Bioproducts and Critical Insights in Bitotechnology. She is also co-editor of the Book Microbiology of Green Fuels.

She is listed among the most relevant researchers worldwide according to the last reference list "World's Top 2% Scientists", elaborated by Stanford University and Elsevier.