Sustainable Aviation Fuels
time for take-off

M.E. Domine

M.E. Domine obtained a Bachelor's degree (1992) and a Master's degree (1996) in Chemistry from the UNC (Córdoba, Argentina), and completed his Doctoral Thesis (2003) from the UPV (Valencia, Spain) under the supervision of Prof. A. Corma. After a post-doctoral stay at IRCELYON-CNRS (France, 2005-07), he returned in 2008 to Prof. A. Corma's research group at the ITQ as a Ramon y Cajal researcher at the CSIC. Tenured Scientist at the CSIC since 2009, and recently promoted to CSIC's Scientific Researcher at the ITQ (CSIC-UPV), he currently leads the Catalytic Transformation of Renewable Raw Materials Group (CAT-REN). His main lines of research include the synthesis and characterization of nano-structured materials based on metals supported on oxides and mixed oxides, and their application as solid catalysts in new sustainable chemical processes for the transformation of renewable raw materials (biomass, municipal waste, etc.) into products of interest.

He is co-author of 85 scientific publications in high-impact journals and 30 application patents (14 of them licensed to industry and 4 in operation). He has presented his work at more than 110 conferences (national and international) and has given more than 40 invited conferences. In addition, he has participated in 45 publicly funded projects, being the principal investigator (PI) in 23 of them. It should be noted that an important part of his work is focused on the development of catalytic processes of industrial interest (including their scaling up to a pilot plant) in collaboration with companies, having participated in 32 contracts with industry and applied numerous patents.