



Prof. Avelino Corma

Avelino Corma, Professor at the Instituto de Tecnología Química (CSIC-UPV), has been carrying out research in heterogeneous catalysis in academia and in collaboration with companies for nearly 30 years. He has worked on fundamental aspects of acid-base and redox catalysis with the aim of understanding the nature of the active sites, and reaction mechanisms. With these bases have developed catalysts that are being used commercially in several industrial processes. He is an internationally recognized expert in solid acid and bifunctional catalysts for oil refining, petrochemistry and chemical process, especially in the synthesis and application of zeolite catalysts. He has published more than 900 research papers, and inventor on more than 130 patents. Corma earned his BS in Chemistry at Valencia University, PhD at Madrid under direction of Prof. Antonio Cortes, and spent two years postdoc at Queen's University. He has received the Dupont Award on "Materials Science", Ciapetta and Houdry Awards of the North American Catalysis Society, the F. Gault Award of the European Catalysis Society, the M. Boudart Award on Catalysis by the North American and European Catalysis Societies, the G. J. Somorjai ACS Award on Creative Catalysis, the Breck Award of the International Zeolite Association, the National Award of Science and technology of Spain, "Rey Jaume I" Prize for New Technologies (2000), the ENI Award on Hydrocarbon Chemistry, the Royal Society of Chemistry Centenary Prize, Solvay Pierre-Gilles de Gennes Prize for Science and Industry and Gold Medal for the Chemistry Research Career 2001-2010 in Spain, La Grande Médaille de l'Académie des sciences de France 2011 and Honour Medal to the Invention from the Fundación García Cabrerizo in Spain. Gold Medal Foro QUÍMICA y SOCIEDAD to all his research career, Gran Medaille of the Science French Academy, Edith Flanigen Lectureship, Eastman Lecture, Director's Distinguished Lecture Series Pacific Northwest National Laboratory's. Prince of Asturias Award for Science & Technology 2014, 48th W. N. Lacey Lectureship in Chemical Engineering-Caltech (2015) and The Jacobus van 't Hoff Lecture 2015 at TU Delft Process Technology Institute (2015), The Hoyt C. Hottel Lecturer in Chemical Engineering at MIT Chemical Engineering Department (2015).

I "Doctor Honoris Causa" by Utrecht University (2006), UNED (2008), München Technological University (2008), Universidad Jaime I de Castellón (2008), Universidad de Valencia (2009), Bochüm University (2010), Universidad de Alicante (2010), Ottawa University (2012) Delft Technological University (2013) Jilin University (China) (2013), University of Bucarest (2014).