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A.

CORMA

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PROFESSOR AVELINO CORMA

Avelino Corma (Moncofar, Castellón, Spain 1951), Professor at the Institute of Chemical Technology (ITQ-CSIC-Polytechnical University of Valencia), 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 has 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 is inventor on more than 100 patents. Over 12 of those patents have been applied industrially in commercial processes of cracking, desulfuration, isomerization, epoxidation, chemo selective oxidation of alcohols and chemoselective hydrogenations. 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.

AWARDS

- The People's Republic of China Friendship Award (2017)
- Spiers Memorial 2016/Royal Society of Chemistry (2016)
- 48th W. N. Lacey Lectureship Caltech (2015)
- The Jacobus van 't Hoff Lecture 2015 TU Delft Process Technology Institute (2015)
- Hoyt C. Hottel Lecture, MIT (2015)
- Prince of Asturias Award for Technical & Scientific Research (2014)
- Honour Medal to the Invention from the Fundación García Cabrerizo (Spain) (2012)
- Grande Medaille de l'Académie des sciences (France), (2011)
- Scientific Merit of Generalitat Valenciana (2011)
- Gold of Medal for Chemistry Research Career 2001-2010 (2010)
- Eni Award (2010)
- Royal Society of Chemistry Centenary Prize (2010)
- Rhodia Pierre-Gilles de Gennes Prize for Science and Industry (2010)
- Bourdard Award in Advanced Catalysis (2009)
- A. V. Humboldt - J. C. Mutis Research Award (2009)
- Gabor A. Somorjai Award for Creative Research in Catalysis (2008)
- Karl-Ziegler-Lectureship Max Planck Society (2007)
- National Award on Science and Technology of México (2006)
- Alwin Mittasch of Dechema (2006)
- Paul Sabatier of the French Society of Chemistry (2006)
- Iberoamerican Federation of Catalysis Societies (FISOCAT) (2006)
- Cross Canada Lecture Award (2006)
- Gold of Medal of the Royal Society of Chemistry of Spain (2005)
- Breck Award of the International Zeolite Association (IZA) (2004)
- Medal of Honor of the García Cabrerizo Foundation (2004)
- The Order of Merit Civil of Spain (2002)
- Eugene J. Houdry Award in Applied Catalysis (2002)
- F. Gault European Award on "Catalysis" (2001)
- Ipatieff Actr at Northwestern University (2000-2001)
- King Jaime I Award on "New Technologies" (Spain) (2000)
- Iberdrola Science and Technology (Spain) (1998)
- F. Ciapetta award of the North American Catalyst Society (1998)
- CATSA in recognition of research excellence "Distinguished Visitor Award of the Catalysis Society of South Africa" (1998)
- Burdiñola Award (Spain) (1997)
- "Profesores Visitantes de Iberdrola" (Spain) (1996)
- Dupont Award on "Materials Science" (Spain) (1995)
- National Award "Leonardo Torres Quevedo" (Spain) (1995)
- Dupont Award (Canada).

DOCTOR HONORIS CAUSA

- University of Córdoba (2018)
- University of Cantabria (2016)
- University of Jaen (2015)
- University of Bucharest (2014)
- University Delft University of Technology: TU Delft (2013)
- University of Ottawa (2012)
- Universidad de Alicante (2010)
- Universität Bochum (2010)
- Faculty of Chemistry and Biochemistry of the Ruhr-University Bochum (2010)
- Universidad de Valencia (2009)
- Universidad Jaime I (2008)
- Technische Universität München (2008)
- Universidad Nacional de Educación a Distancia (UNED) (2008)
- Utrecht University (2006)

MEMBER

- Member of the French Academy of Sciences (2017)
- Foreign Member of the Royal Society (2012)
- National Academy of Engineering NAE (USA)
- Royal Academy of Science of Spain
- Royal Academy of Engineering of Spain
- Royal Academy of Exact Sciences
- Physics and Natural of Spain (2011)
- European Academy
- Chemical Science Section
- Editorial Member of Advisory Board de las revista Dalton Transaction (desde 2000)
- Journal of Catalysis (since 1999)
- Catalysis Sciences
- Technology and Innovation (since 1997)
- Chemical Communications (since 1997)
- Physical Chemistry Chemical Physics (since 1997)
- Catalysis Technology (since 1996)
- Japanese Catalysis Surveys (since 1996)
- J. Molecular Catalysis (since 1995)
- Catalysis Letters (since 1994)
- Catalysis Review S.C. and Eng. (since 1992)
- Microporous and Mesoporous Materials (since 1991)
- Applied Catálisis (1988-1992)



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