

María José Caturla is a full professor at the department of Applied Physics of the University of Alicante, Spain, since December 2017. Previously, she worked at Lawrence Livermore National Laboratory, where she did her PhD work under the supervision of Dr. Tomás Díaz de la Rubia. In October 2002 she joined the University of Alicante through the Ramon y Cajal program. She has been recently appointed Head of the Department of Applied Physics at the University of Alicante.

The research of María J. Caturla is focused on atomic scale studies of the interaction of radiation with matter, in particular with the production of defects and their effect on the microstructure and macroscopic properties. For those studies she uses mainly two simulation techniques: molecular dynamics with empirical potentials and kinetic Monte Carlo. She has also worked on metallic nanocontacts and nanowires, the propagation of shock waves in different materials, particularly amorphous systems and the implantation of dopants in semiconductors.

María J. Caturla has published more than 150 articles, has received more than 4000 citations and has an h-index of 34 according to Publons. For more information you can consult ResearcherID [D-6241-2012](https://publons.com/author/urn:riid:6241-2012).