Short scientific biography of Christel M. Marian

Christel M. Marian's research focusses on the development and application of theoretical and computational excited-state electronic structure methods, with a particular emphasis on spin-forbidden transitions. Current research interests involve singlet fission, triplet–triplet annihilation up-conversion and the computational design of improved OLED emitters.
Christel M. Marian studied chemistry in Cologne and Bonn, Germany, and graduated in 1980 with a Ph.D in Theoretical Chemistry at the University of Bonn under the supervision of Prof. Sigrid D. Peyerimhoff. After a postdoctoral stay at the Theoretical Physics Department of Stockholm's University (Sweden) in the group of Prof. Per E. M. Siegbahn, she became assistant professor at the University of Bonn where she completed her habilitation in 1991. Before joining the Heinrich-Heine-University Düsseldorf as a Full Professor of Theoretical and Computational Chemistry in 2001, she led the computational chemistry team at the Fraunhofer Scientific Computing and Algorithms Institute in Sankt Augustin. Since March 2023, Prof. Christel M. Marian is retired and holds a Senior Professor position at Heinrich-Heine-University Düsseldorf, Germany.
Among other scientific community services, she coordinated the Collaborative Research Center 663 "Molecular Response to Electronic Excitation" and was chairperson of the Interdisciplinary Graduate and Research Academy Düsseldorf (iGRAD) at Heinrich-Heine-University. Between 2011 and 2015 she was Dean of the Mathematical and Natural Science Faculty of the Heinrich-Heine-University Düsseldorf. Since 2014, she is an elected member of the North-Rhine Westphalian Academy of Sciences and Arts.