



M. del Carmen Martínez Tomás

Graduated in Physics by the University of Valencia (SPAIN) in 1978.

PhD by the University of Valencia (SPAIN) in 1984.

Professor (Catedrática) at the Applied Physics Department of the University of Valencia (SPAIN) since 2016.

She began to work on semiconductors with potential application in solar cell technology field in 1984 at the 'Université de Sciences et Techniques du Languedoc' (France) and next she spent different periods in some CNRS French laboratories such as GEMAC in Meudon and CRHEA in Nice (France). She won a post of "Professor Titular de Universidad" in 1987 at the Applied Physics Department of the University of Valencia.

As a researcher she has been mainly involved in the field of the characterization of semiconductor materials with potential applications in the field of solar cells and detectors. Initially she dedicated to photoluminescent and electrical characterization of some electronic devices. Next to the numerical simulation of heat transfer during the growth process of semiconductor materials (as CdTe, HgTe and ZnO) grown by different methods (as Bridgmann, THM and MOCVD). Nowadays she is involved in the study of structural and morphological properties of semiconductor materials by high resolution X-ray diffraction (HRXRD) as expertise.

She has participated in more than 30 research projects, one of them under her direction. She has co-directed two PhD and three Master Thesis. She has 4 research periods (sexenios), is co-author of more than 50 publications in scientific journals and more than 60 contributions to scientific conferences. As a teacher, she has been involved in teaching physics courses at all levels, as well in undergraduate as graduate studies. She has participated in 17 educational innovation projects, 8 of them under her direction. She is co-author of 16 contributions to educational conferences, 6 of them with proceedings. She has 6 quinquennial teaching periods (the maximum possible number)

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