

Prof. Paola Palmero

Paola Palmero is Associate Professor of Materials Science and Technology at the Department of Applied Science and Technology of Politecnico di Torino.

She received her PhD in 2005 in co-tutoring with INSA (Institut National des Sciences Appliquées) de Lyon, working on the synthesis and elaboration of alumina-based composites for thermo-mechanical applications. Since 2006, in quality of Assistant Professor at Politecnico, she is regular professor of courses in "Materials Science and Technology" for Bachelor's, Master's of Science degrees and PhD courses.

She is involved in applied researches in the field of ceramic materials, with a specific focus on the elaboration of monolithic, composite and nanocomposite ceramics for structural, high-temperature and functional applications. She is involved into non-conventional syntheses and processing of pure and composite ceramic powders, development and characterization of porous ceramics, of polymer-ceramic composites, of innovative bioceramics, of transparent ceramics, of "green" cements and geopolymers. From some years, most of her research activities deal with materials for biomedical applications, in the frame of European as well as National projects. She is currently the Vice-Chair of the Cost Action "New Generation Biomimetic and Customized Implants for Bone Engineering" (NEWGEN).

She is author or co-author of about one hundred papers, most of them published into international, peer reviewed journals. She is co-inventor of 6 (national or international) Patents.