



Prof. **Liberata Guadagno** is full Professor of “Foundations of Chemistry for Technologies” at the Department of Industrial Engineering of Salerno University (<http://www.unisa.it/docenti/liberataguadagno/index?nv=docenti.unisa.it/liberata.guadagno>) . She has been recognized as eminent scientist (According to decision DM 276/2011: <http://attiministeriali.miur.it/anno-2011/luglio/dm-01072011.aspx>) in the field of the structural multifunctional materials. Her research topics have been focused on the study of correlations between chemical/physical properties of nanocomposites and their structural and morphological organization. In the last years, her research has been mainly directed toward the design and development of new self-sensing materials, among which self-generating structural materials for autonomic damage control and multifunctional carbon nanomaterials (self-healing conductive systems – anti-icing and de-icing composites etc..) to be used as structural materials and/or adhesives. During the course of her research, she has developed formulations of autonomically-healing conductive nanocomposites (with self-healing functions capable at very low temperatures). She has a wide experience in public and industry funded projects and is involved in many industrial researches and EU funded projects. Recently, she has been the EU coordinator of the 7th Framework Programme project IASS, “Improving the Aircraft Safety by Self -healing structure and protecting nanofillers”, Grant agreement no. 313978 and is currently the Leader of the WP5 of the European Project “Mastro” (Intelligent bulk MAterials for a Smart TRanspOrt sector RIA_ NMBP_04_17 – 760940). In this last Project she is responsible of the development of “smart self-sensing materials” for their application in the Transport sector. Prof. Guadagno is “reviewer” for several international journals and her research activities are documented by more than 150 scientific papers on international journals, chapters of books, as well as by 26 industrial patents and 120 proceedings.