

## CV

Giulio Malucelli got his Master degree in Chemical Engineering at the Politecnico of Torino in 1992. From 1992 up to 1995 he attended the PhD course in Chemistry for Engineering at the Politecnico di Torino, doing research in the Department of Materials Science and Chemical Engineering. In 1996 he got the PhD degree in Chemistry. In 1995 he obtained the position of Assistant Professor at the Politecnico di Torino in the Department of Materials Science and Chemical Engineering. In 2003 he was appointed as full time Associate Professor in Chemistry at the Politecnico di Torino in the Department of Materials Science and Chemical Engineering. In April 2008 he was appointed as full time Associate Professor in Materials Science and Technology at the Department of Applied Science and Technology of Politecnico di Torino. From July 2017 he is Full Professor in Materials Science and Technology at the Department of Applied Science and Technology of Politecnico di Torino.

He is author of more than 190 peer-reviewed papers and of several Communications to National and International Congresses. He joined several finalized research projects of Italian CNR and MIUR, both as component and scientific coordinator. He obtained several research grants from Italian important Companies, such as Centro Ricerche Fiat, Solvay-Solexis, Pirelli, Olivetti. He is member of the Italian Society of Macromolecules (AIM) (he was in the Steering Committee from 2011 to 2014) and of the Polymeric Materials Unit at the Politecnico di Torino of the Italian Consortium on Materials Science and Technology (INSTM); he joined the "Nanofun-poly" Network of Excellence. He was in the Management Committee of Flaretex MP1105 COST Action ("Sustainable flame retardancy for textiles and related materials based on nanoparticles substituting conventional chemicals"), where he also coordinated the activities of the working group on Novel Flame Retardants.

His main research activity includes the synthesis of new reactive oligomers and their photopolymerization, the modification of polymers with polar or fluorinated structures, their chemical and physical and thermo-mechanical characterization and the investigation of the structure-property relationships. At present he is involved in

- the synthesis and characterization of nanocomposite structures, namely hybrid organic-inorganic coatings (ceramers) and polymeric nanocomposites containing phyllosilicates, alumina, graphene and graphene-like fillers.
- the investigation on surface engineering treatments for providing textiles and plastics with flame retardant features.

He is referee for Polymer, Polymer International, Journal of Applied Polymer Science, European Polymer Journal, Macromolecular Chemistry and Physics, Journal of Polymer Science: part A – Polymer Chemistry, Langmuir, Materials Chemistry and Physics, Journal of Photochemistry and Photobiology A: Chemistry, Journal of Non Crystalline Solids, Journal of Materials Chemistry A, B e C, Physical Chemistry Chemical Physics, Polymer Engineering & Science, Polymers for Advanced Technologies, e-Polymers, Biomacromolecules, RSC Advances, ChemComm, Surface & Coatings Technology, Microporous and Mesoporous Materials, New Journal of Chemistry, Polymer Degradation and Stability, Materials Science and Engineering C, Fire Materials. He is member of the Editorial Boards of "Macromolecules: An Indian Journal"; "Chemistry: An Indian Journal (Macromolecules Section)", "Bio-Inspired Nanotechnology", "International Journal of Experimental Spectroscopic Techniques", "Current Organic Chemistry". He is Associate Editor of "Current Graphene Science".