

Personal Data			
Surname	Name	Organization and Position	Date of birth
Bertini	Fabio	ISMAR researcher	01/10/1962
Education and training			
Doctoral degree in chemistry at the University of Milan, 1987.			
Research and Professional experience			
<u>Research interests</u> Polymer blends, nanocomposites and bio-based composites: studies of miscibility and characterization; Thermal properties of polymers: kinetics of crystallization, melting behaviour; Thermal and catalytic degradation of polymers; Mechanical properties of polymer materials.			
From 1989 Researcher at ISMAR-CNR.			
Scientific Publications and Congress Oral Communications			
Dr. Fabio Bertini is author of 102 publications in peer reviewed journals and more than 115 contributions and lectures in international and national conferences. H index = 26 from ISIWeb			
<u>Selected Publications</u> <ol style="list-style-type: none"> 1. I. Pierro, G. Zanchin, E. Parisini, J. Marti-Rujas, M. Canetti, G. Ricci, F. Bertini, G. Leone "Chain-walking polymerization of α-olefins by α-diimine Ni(II) complexes: effect of reducing the steric hindrance of ortho- and para-aryl substituents on the catalytic behavior, monomer enchainment, and polymer properties" Macromolecules 51 (2018) 801-814 2. I. Pierro, G. Leone, G. Zanchin, M. Canetti, G. Ricci, F. Bertini "Polyolefin thermoplastic elastomers from 1-octene copolymerization with 1-decene and cyclopentene" European Polymer Journal 93 (2017) 200-211 3. G. Leone, M. Mauri, I. Pierro, G. Ricci, M. Canetti, F. Bertini "Polyolefin thermoplastic elastomers from 1-octene chain-walking polymerization" Polymer 100 (2016) 37-44 4. M. Tajul Islam, A. Montarsolo, M. Zoccola, M. Canetti, A. Cacciamani, F. Bertini "Effect of individualized cellulose fibrils on properties of poly(methyl methacrylate) composites" J. Macromol. Sci. part B Phys. 55 (2016) 867-883 5. M. Canetti, G. Leone, G. Ricci, F. Bertini "Structure and thermal properties of ethylene/4-methyl-1-pentene copolymers: effect of comonomer and monomer sequence distribution" European Polymer Journal 73 (2015) 423-432 6. G. Leone, M. Mauri, F. Bertini, M. Canetti, D. Piovani, G. Ricci "Ni(II) α-diimine-catalyzed α-olefins polymerization: Thermoplastic elastomers of block copolymers" Macromolecules 48 (2015) 1304-1312 8. F. Bertini, M. Canetti, A. Patrucco, M. Zoccola "Wool keratin-polypropylene composites: properties and thermal degradation" Polym. Degrad. Stab. 98 (2013) 980-987 9. F. Bertini, M. Canetti, A. Cacciamani, G. Elegir, M. Orlandi, L. Zoia "Effect of ligno-derivatives on thermal properties and degradation behavior of poly(3-hydroxybutyrate)" Polym. Degrad. Stab. 97 (2012) 1979-1987 10. M. Canetti, F. Bertini "Supramolecular structure and thermal properties of poly(ethylene terephthalate)/lignin composites" Compos. Sci. Tech. 2007, 67, 3151-3157 			
Grants			
2017-2019 "Piattaforma tecnologica per lo sviluppo di sonde innovative in ambito biomedicale" U.O. leader, Regione Lombardia/FESR 2017-2018 "ARRED'ARTE-Multipli plastici per l'arredamento di design artistico" U.O. leader, Regione Lombardia 2015-2017 "From waste to resource: an integrated valorization of the rice productive chain residues			

RICERES” ISMAC-CNR coordinator and U.O. leader, Fondazione Cariplo
2013-2015 “SUSCHEM Lombardia-Prodotti e processi chimici sostenibili per l’industria lombarda”
U.O. leader, Regione Lombardia
2013-2015 “FIDEAS-Fabbrica Intelligente per la Deproduzione Avanzata e Sostenibile”
U.O. leader, Regione Lombardia
2012-2014 “Materiali polimerici a base di grafene per pneumatici verdi e di nuova generazione ATANOR”
ISMAC-CNR coordinator and U.O. leader, Regione Lombardia-MIUR
2012-2014 “Polimerizzazione in campo elettromagnetico POLICEL” U.O. leader, Regione Lombardia-MIUR
2011-2013 “Da antiche colture materiali e prodotti per il futuro VELICA” U.O. leader, Regione Lombardia
2010-2012 “Green chemistry applicata all’ innovazione di prodotto e di processo di materiali polimerici o compositi per l’industria cosmetica GREENCOSMETIC” participant, Regione Lombardia
2009-2011 “Renewable aromatic ligno-oligomers for bioplastic based composites LIGNOPLAST” U.O. leader, Fondazione Cariplo
2009-2011 “Keratin-based composite bioplastics KEBAB” U.O. leader, Fondazione Cariplo
2005-2008 “Designed Nanostructured Hybrid Polymers: Polymerisation Catalysis and Tecton Assembly NANOHYBRID” participant, EU FP6-STREP