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LUIGI AMBROSIO, Dirigente di Ricerca e Direttore FF dell' Istituto per i Polimeri, Compositi e Biomateriali, Consiglio Nazionale delle Ricerche.

Laureato in Ingegneria Chimica (1982), successivamente ha svolto la sua attività di ricerca presso il Dipartimento di Ingegneria dei Materiali e della Produzione dell'Università degli Studi di Napoli "Federico II".

Nel periodo 1985-1986 è stato Ricercatore Associato presso il Department of Chemical Engineering and Institute of Material Science, Polymer Program, University of Connecticut, USA. Nel 1988 stato responsabile della ricerca di Kontron Instruments, Everett MA USA.

Dal 1997 al 2000 è stato Adjunct Professor dell'University of Connecticut, USA e dal 1996 al 2010 Professore a Contratto presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli "Federico II".

Direttore dell'Istituto per i Materiali Compositi e Biomedici Consiglio Nazionale delle Ricerche (2008-2012).

Direttore F.F., Dipartimento Progettazione Molecolare, Consiglio Nazionale delle Ricerche. (2011-2012).

Direttore del Dipartimento Scienze Chimiche e Tecnologie dei Materiali, Consiglio Nazionale delle Ricerche (Nov. 2012- Nov. 2016).

Direttore F.F del Dipartimento Scienze Chimiche e Tecnologie dei Materiali, Consiglio Nazionale delle Ricerche (Nov. 2016- Feb. 2017).

Fellow of the American Institute for Medical and Biological Engineering (2001), Fellow of Biomaterials Science and Engineering (2004) e Fellow of European Alliance of Medical and Biological Engineering and Science (2018).

Vice-presidente della Società Italiana dei Biomateriali, Coordinatore del Gruppo Interdivisionali dei Biomateriali della Società Chimica Italiana (2003-2006).

Presidente della European Society of Biomaterials (2007-2013), Past President (2013-2017).

Membro dell' European Commission Advisory Group of the FP7 theme *Nanoscience, Nanotechnologies, Materials and New Production Technologies*, (2006-2008).

Membro dell' High Level Group for Key Enabling Technology. European Commission (2010-2015).

Ha ricevuto il premio "*G. Winter Award*". European Society for Biomaterials (2015) e the 2017 China-Italy Science and Technology Innovation Cooperation Award, Beijing.

Co-Direttore of "Multifunctional Polymers & Biomaterials Research Centre", Sichuan University-CNR Joint Research Centre, Chengdu, China (since 2014).

co-Chairmen of the Working group on *Advanced Materials and Nanotechnologies Italy-USA Cooperation on Science and Technology*, 12th Joint Commission Meeting. Ministero degli Affari Esteri e Cooperazione Internazionale (dal 2016).

Membro del Comitato Scientifico del Chemical and Biomolecular Research of the Microbiome: Nutritional Applications and Impact on Metabolic Health. Université Laval, Quebec, Canada. (dal 2016).

Membro dell' International Advisor Board of Sichuan University (dal 2016). Overseas Commissioner of Sichuan Province Talent Program, Chengdu, China (dal 2016).

Abilitazione Professore di I Fascia in in Scienza e Tecnologie dei Materiali e Bioingegneria e (D.D. 1532/2016 - 09/D1 - art. 16, comma 1, Legge 240/10) (since 2017).

Editor-in-Chief of Journal of Materials Science: Materials in Medicine (dal 2017).

E' autore di oltre 300 articoli su riviste internazionali e libri (citazioni oltre 12.000; h-index: 64), 18 brevetti, 150 presentazioni con invito ed oltre 500 presentazioni a congressi internazionali

L'attività di ricerca include progettazione e caratterizzazione di polimeri e compositi per applicazione mediche ed ingegneria dei tessuti, reologia dei fluidi biologici, proprietà strutturali dei tessuti naturali, proprietà e tecnologie di processo di polimeri, compositi e nanostrutture, idrogeli polimeri biodegradabili. Tecnologie additive.

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Luigi Ambrosio is a Research Director of CNR and Acting Director Institute of Polymers, Composites and Biomaterials, National Research Council (IPCB-CNR)

He received the doctoral degree in Chemical Engineering (1982) from University of Naples "Federico II".

Research Associate at University of Naples (1983-1985), Research Associate at University of Connecticut, USA (1985-1986), and Visiting Scientist at Kontron Medical Inc., USA (1986- 1988). Adjunct Professor of University of Connecticut, USA (1997-2003) and of University of Naples "Federico II" (1997-2010).

Director of Institute of Composites and Biomedical Materials, National Research Council of Italy (2008-2012).

Acting Director, Department of Molecular Design, National Research Council. (2011-2012).

Director of Chemical Sciences & Materials Technology Department, National Research Council (Nov. 2012-Nov. 2016).

Director of Chemical Sciences & Materials Technology Department, National Research Council (Nov. 2016-Feb. 2017).

He has been nominated Fellow of American Institute for Medical and Biological Engineering (2001) and Fellow of Biomaterials Science and Engineering (2004) and European Alliance of Medical and Biological Engineering and Science (2018).

Vice-presidente della Società Italiana dei Biomateriali, Coordinatore del Gruppo Interdivisionali dei Biomateriali della Società Chimica Italiana (2003-2006).

President of the European Society of Biomaterials (2007-2013), Past President (2013-2017).

Member of European Commission Advisory Group, FP7 theme Nanoscience, Nanotechnologies, Materials and New Production *Technologies*. *European Commission*.

Member of the *High Level Group on Key Enabling Technologies*, European Commission (2010-2015).

He is recipient of the "*G. Winter Award*", for the high worldwide contribution to the Biomaterials Science. European Society for Biomaterials, March 2015. He received the 2017 China-Italy Science and Technology Innovation Cooperation Award, Beijing, China.

Co-Director of "Multifunctional Polymers & Biomaterials Research Centre", Sichuan University-CNR Joint Research Centre, Chengdu, China (since 2014).

co-Chairmen of the Working group on *Advanced Materials and Nanotechnologies* Italy-USA Cooperation on Science and Technology, 12th Joint Commission Meeting. Italian Ministry of Foreign Affairs and International Cooperation (since 2016).

Member of the Scientific Committee on Chemical and Biomolecular Research of the Microbiome: Nutritional Applications and Impact on Metabolic Health. Université Laval, Quebec, Canada. (since 2016).

Member of the International Advisor Board of Sichuan University (since 2016). Overseas Commissioner of Sichuan Province Talent Program, Chengdu, China (since 2016).

Qualified Full Professor in Bioengineering and in Materials Science and Technology (D.D. 1532/2016 - 09/D1 - art. 16, comma 1, Legge 240/10) (since 2017).

Editor-in-Chief of Journal of Materials Science: Materials in Medicine (since 2017).

Publications include over 300 papers on international scientific journals and book, (cited more than 12.000; actual h-index: 64), 18 patents, over 150 invited lectures and over 500 presentations at international and national conferences.

Research interests include design and characterization of polymers and composites for medical applications and tissue engineering, rheology of biological fluids, structural properties of natural tissue, properties and processing of polymers and composites and nanostructures, hydrogels and biodegradable polymers. Additive technologies.