

**EUROPASS
CURRICULUM VITAE
EUROPEAN FORMAT**



PERSONAL INFORMATION

Name	LUIGI AMBROSIO
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E-mail	<u>luigi.ambrosio@cnr.it</u>
Nationality	Italian
Date of birth	21 FEBRUARY 1955
Office	Institute of Polymers, Composites & Biomaterials, National Research Council of Italy, (IPCB-CNR), Viale J.F. Kennedy, 54, Mostra d'Oltremare, Pad.20, 080125, Naples, Italy.
Occupation	Research Director

EDUCATION AND TRAINING

Date	25/07/1982
Name and type of organization providing education and training	Doctoral Degree in Chemical Engineering University of Naples "Federico II"
Thesis	"Design & characterization of composite tendons"
Main subjects and professional skills related to the education awarded	Biomaterials, Tissue Engineering, Biomedical Materials & Devices Design. Polymers and composites materials properties characterization and processing. Additive technologies.

WORK EXPERIENCE

31/12/2018 - Today	Director at Institute of Polymer, Composites & Biomaterials, (IPCB-CNR), National Research Council, Naples, Italy
30/03/2017 – Today	Qualified Full Professor in Bioengineering - 09/G2 and Materials Science and Technology-09/D1 (D.D. 1532/2016, art. 16, comma 1, Legge 240/10).
18/11/2012–17/11/2016	Director of Chemical Science & Materials Technology Department, National Research Council of Italy. Rome, Italy.
01/04/2012 – 19/11/2012	Member and Coordinator of "Comitato Ordinatore" of Chemical Science & Materials Technology Department, National Research Council of Italy, Rome, Italy.
01/04/2011 to 31/03/2012	Acting Director of Molecular Design Department, National Research Council of Italy. Rome, Italy.

From 16/04/2008 to 19/11/2012	Director of the Institute of Composite and Biomedical Materials,, National Research Council of Italy, Piazzale Tecchio 80, 80125 Naples, Italy.
From 2009 to 2010	Appointed Professor of Artificial Organs, University of Naples "Federico II", Italy (2009-2010).
From 2003 to 15/04/2008	Associate Director of the Institute of Composite and Biomedical Materials, National Research Council of Italy, Piazzale Tecchio 80, 80125 Naples, Italy
From 2007 to 2008	Appointed Professor of Biomaterials Design, University of Naples "Federico II".
From 2001 to date	Research Director at Institute of Composite and Biomedical Materials, National Research Council of Italy, Piazzale Tecchio 80, 80125 Naples, Italy
From 1997 to 2007	Appointed Professor of Biomaterials, University of Naples "Federico II", Italy
From 1997 to 2003	Adjunct Professor at Institute of Materials Science, University of Connecticut, Storrs, CT, USA.
From 1997 to 2000	Senior Research Scientist at Institute of Composite Materials Technology, CNR, Piazzale Tecchio 80, 80125 Naples, Italy.
From 1989 to 1997	Research Scientist at Institute of Composite Materials Technology, CNR, Piazzale Tecchio 80, 80125 Naples, Italy.
From 1987 to 1988	Principal Research Scientist at Kontron Medical Inc., 9 Plymouth Street, Everett, MA, USA.
From 1986 to 1987	Research Associate at Department of Materials and Production Engineering, University of Naples, Italy.
From 1985 to 1986	Research Associate at Department of Chemical Engineering and Institute of Materials Science, Polymer Program, University of Connecticut, Storrs, CT, USA.
From March 1985 to September 1985	Visiting Scientist at Kontron Medical Inc., 9 Plymouth Street, Everett, MA, USA.
From 1983 to 1985	Research Associate at Department of Materials and Production Engineering, University of Naples.

PERSONAL SKILLS AND EXPERTISES

ORGANISATIONAL SKILLS AND EXPERTISES

- Member of the European Platform on Nanomedicine.
- Member of European Commission Advisory Group of the FP7 Theme Nanoscience, Nanotechnologies, Materials and New Production Technologies.
- Coordinator of CNR projects: Special Materials for Advanced Technologies.
- Coordinator of EC-FP5 and FP7 research projects.
- Referee of Ministry of Education of Portugal for evaluation of projects in the field of materials science.
- Referee of Ministry of Education of Italian Government for evaluation of research project on polymer, composites and biomaterials technology.
- Board Committee Member of the Technology District on Engineering of Polymer Composites and Structures - IMAST Scarl., (2002-2006 and 2018-today).
- Board Committee Member of the Competence Centre "New Materials Technology" Campania Region (2004-2008).
- Board Committee Member Institut de Bioenginyeria de Catalunya IBEC, Barcelona, Spain (2007-2011), Academica Life Science srl (spin-off) (2006-2012).
- Member, Board of Directors, Centro Italiano Ricerche Aerospaziale - CIRA s.c.p.a. (2012-2014).
- Member of the Steering Committee of the International College of Fellows - Biomaterials Science Engineering (2012-2015).
- Member of the High Level Group on Key Enabling Technologies, European Commission (2010-2015).
- Member of the "Comitato di indirizzo strategico e monitoraggio" of the Framework Program between Regione Lombardia and National Research Council" (2015-2016).
- Member and vice-President, Board of Directors, Consorzio Collozione Nazionale dei Composti Chimici e Centro Screening- CNCCS scarl" (2012-2016).
- Member of the "Comitato di indirizzo strategico" of the Framework Agreement between

CNR and INSTM-Consortio Interuniversitario Nazionale per la Scienza e Tecnologia dei Materiali (2013-2016).

- Member of the "Comitato di indirizzo strategico" of the Research Agreement between CNR and SABIC Industries Corporation (2013-2016).
- Member of the "Comitato di indirizzo strategico" of the Framework Agreement between CNR and FINMECCANICA (2013-2016).
- Member of the "Comitato Permanente per la Ricerca e la Sicurezza Interna - Co.Ri.SI." within the Framework Agreement between CNR and Ministero dell'Interno. (2013-2016).
- Member of the "Comitato di indirizzo strategico" of the Framework Agreement between CNR and CONAI-Consortio per il recupero degli Imballaggi (2013-today).
- Member of the "Comitato di indirizzo strategico" of the Framework Agreement between CNR and Politecnico di Milano (2014-2016).
- Coordinator of the Evaluation Panel "Nanotechnology". Bando MISE, Fondo Crescita Sostenibile. National Research Council. (2014-2015).
- Member of the "Comitato di indirizzo strategico" of the Framework Agreement between CNR and SCI, Società Chimica Italiana (2014-2016).
- Member of the "Comitato di indirizzo strategico" of the Framework Agreement between CNR and Federchimica Confindustria - Federazione Nazionale dell'Industria Chimica (2015-2016).
- Member of the "Comitato di indirizzo strategico e monitoraggio" of the Framework Program between CNR and Istituto Poligrafico di Stato e Zecca dello Stato – iPZS (2015-2016).
- Director in charge of the CNR Interdepartmental Foresight S&T International Project (2015-2017).
- Overseas Commissioner of Sichuan Province Talent Program, Chengdu, China (May 2016-2016).
- Member of the International Advisor Board of Sichuan University, Chengdu, China. (June 2016-today).
- Member of the Scientific Council of INAIL (July 2014 – Today).
- 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. (Jan. 2016 – Today)
- Scientific Committee Member of L'Université Euro-méditerranéenne de Fès, Maroc. (January 2016 – Today).
- Member of the Scientific Committee on Chemical and Biomolecular Research of the Microbiome: Nutritional Applications and Impact on Metabolic Health. Université Laval, Quebec, Canada. (Oct. 2016 – Today).
- Senior Consultant of SCU Talent Development Strategy Committee, Sichuan University, Chengdu, China. (Sept.2017 – Today).
- Member, Board of Directors, Kerline Srl., Bologna, Italy. (May 2018 – Today).
- Member of the Honour Committee of Journal of Intercultural and Interdisciplinary Archaeology.
- Associate Editor of Journal of Applied Biomaterials & Biomechanics.

Technical skill and expertise

Research interest include design and characterisation of polymers and composites for medical applications and tissue engineering, rheology of biological fluids, structural properties of natural tissue, processing of polymers and composites, hydrogels and biodegradable polymers, Additive Technology.

SCIENTIFIC PERFORMANCE - ORCID ID: orcid.org/40-0002-8367-2405

Google Scholar

H-Index:	72
Citing Total	16633
i10-index	302

Publications include over 350 papers on international scientific journals and book, 25 patents, 5 books, 79 Book Chapters. over 400 presentations at international and

national conferences and over 170 invited lectures.

AWARDS AND HONOURS

- Archi.Med Award for the most innovative research in biomaterials and medical devices. University of Bari e Fiera del Levante, 24 Febbraio, 2000.
- Fellow of the American Institute for Medical and Biological Engineering (FAIMBE), 1/03/2001
- Fellow of Biomaterials Science and Engineering. (FBSE) of the IUS-BSE (International Union of Societies for Biomaterials Science & Engineering). 1/03/2004.
- Honorary Member, The Romanian Society for Biomaterials, Nov. 2006
- Best Paper 2007 Award, Journal of Materials Science: Materials in Medicine, May 2008. "Tissue engineered intervertebral disc repair in pig using injectable polymers., (2007) 18:303–308".
- Highlights CNR 2009 as collection of best CNR papers 2008-2009 for a contribution on "innovative scaffolds for bone regeneration".
- Best Paper Award) "BioExtruder: study of the influence of process parameters on PCL scaffolds properties" 4th International Conference on Advanced Research in Virtual and Rapid Prototyping (VR@P), 6th-10th October 2009, Leiria, Portugal.
- Il Saraceno d'oro Award, for the high contribution to a better society. XIV Edizione, Ass. Culturali, Vico Equense, 18 April, 2010.
- APA Distinguished Award, for the high contribution to the development of advanced polymer for health. 19 February 2014. International Conference "Vision & Scenario". APA 2014 - 19- 21 February 2014, New Delhi, India.
- ESB "G. Winter Award", for the high worldwide contribution to the Biomaterials Science. European Society for Biomaterials, March 2015.
- In Top Italian Scientist - Materials & NanoSciences 2016, 12 place. http://via-academy.org/VIA/index.php?title=Top_Italian_Scientists_Materials%26_Nano_Sciences.
- SIB -"Premio alla Carriera", for the high contribution of to the Biomaterials Science. Società Italiana Biomateriali. 13 July 2016, Ischia, Italy.
- Best Abstract Presentation, "Engineering Bioactive Scaffolds for Intervertebral Disc Repair/Regeneration", BioSpine 6th International Congress on Biotechnologies for Spinal Surgery. 26-28 April 2017, Berlin, Germany.
- China-Italy Science and Technology Innovation Cooperation Contribution Award, China-Italy Technology Transfer Center, 14 November 2017, Beijing, China.
- Fellow of the European Alliance for Medical and Biomedical Engineering & Science (2018).