

João F. Mano - SHORT CV

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João F. Mano, PhD in Chemistry (1996, Technical Univ. Lisbon), D.Sc. in Tissue Engineering Regenerative Medicine and Stem Cells (2012, Univ. Minho), is a full professor at the Department of Chemistry of the University of Aveiro (Portugal). During his career he has been teaching courses related to biomaterials/polymer science and technology, and tissue engineering, in both undergraduate and graduate levels. He is the director of the Doctoral Program on Biotechnology at the Univ. of Aveiro. He has also an appointment as Invited Professor (classe exceptionnelle, since 2014) at University of Lorraine (France), Visiting Professor in KAIST (South Korea) in 2019, Adjunct Professor at Ajou University (South Korea) since 2020 and Invited Professor at National University of Malaysia (Malaysia) in 2023.

He is directing the *COMPASS Research Group*, from CICECO – Aveiro Institute of Materials, founded in April 2016. His research focuses on the application of advanced biomaterials and cells to advance multidisciplinary concepts in the field of regenerative and personalized medicine. Specifically, he utilizes biomimetic and nano/micro-technology approaches to develop polymer-based biomaterials and surfaces for the creation of biomedical devices with enhanced structural and multi-functional properties. He also engineers microenvironments to regulate cell behaviour and organization, with the goal of clinically applying these technologies in advanced therapies and drug screening, or in the bioengineering of disease models.

João F. Mano is author of 825+ original research or review papers in international journals (46000+ citations, $h=107$ – Web of Science) and 40+ book chapters. João F. Mano co-edited 10 special issues in international journals and 5 books. João F. Mano has been invited to review manuscripts from 400+ different international journals and to routinely evaluate projects from numerous private and state funding agencies from 19 different countries. He was the LS9 panel chair for the peer review ERC Advanced Grants (2019-2023). João F. Mano supervised or co-supervised 80+ MSc, 41 PhD students, and 40+ post-doctoral fellows. He filed 15+ patents (10+ as senior inventor). João F. Mano is the co-founder and chairman of: METATISSUE (2018), a company developing human-derived hydrogels for 3D cells culture (5 prizes and owner of two patents); and CELLULARIS Biomodels (2021), a company offering services for cell-based disease models (1 prize and 1 patent).

He is the Editor-in-Chief of *Materials Today Bio* (Elsevier). He has been also part of a series of scientific societies and editorial boards of 12 international journals.

He has been member of scientific committees, organizing committees, referee and chairman in numerous international meetings. He was invited to present more than 140 invited/keynote/plenary talks in international conferences including EUROMAT, ESTAC, TERMIS (EU and AP chapters and World conferences), BIOMED, FBPS, NANOMED, COLAOB, ESB, SFB, World Biomaterials Conference (plenary speaker in 2024), E-MRS, ESAO, EPF, ACS, CBECIMAT, NICE, Inter. HYMA, APME, APCChE, PPM, EPNOE, SELECTBIO, EFB, CRS, ECMNP, PAT, Biolberoamerica, RRB, ScSB, EuChemS, BPP, MATAM, BDMC, ETRS, AFPM, Beilstein Inst. Symposia, MSE, ICBME, GRC.

João F. Mano has received different honours and awards: (i) fellow of the IUPAC (International Union of Pure and Applied Chemistry) - 2004; (ii) the Stimulus to Excellence Award by the Portuguese Minister for Science and Technology - 2005; (iii) the Materials Science and Technology Prize, attributed by the Federation of European Materials Societies (FEMS) – 2007; (iv) UNESCO Chair on Biomaterials, University of Havana (Cuba)-2008; (v) the major BES innovation award in 2010 (at that time, one of the most recognised innovation prize in Portugal); (vi) recipient by the European Research Council of two Advanced Grants (ERC-AdG) -2015, 2021, and three Proof-of-Concept Grants (ERC-PoC) - 2018, 2020, 2022; (vii) title of Professor@Lorraine from the University of Lorraine, France, in 2018; (viii) title of Doctor Honoris Causa, given by University of Lorraine, in 2019; (ix) awarded with a Gutenberg Chair, supported by the Great East Region of France - 2020; (x) elected fellow of the European Academy of Sciences (FEurASc) 2019; (xi) Bluepharma | University of Coimbra Innovation Award 2019; (xii) Inducted Fellow Biomaterials Science and Engineering (FBSE) - 2020; (xiii) Researcher Award University of Aveiro 2020 (first edition); (xiv) George Winter Award 2020: European Society for Biomaterials. (xv) Madinaveitia-Lourenço Prize, from the Spanish Royal Society of Chemistry - 2021; (xvi) elected fellow of the American Institute of Medical and Biological Engineering (FAIMBE) - 2022; (xvii) title of Doctor Honoris Causa, given by University of Utrecht - 2022; (xviii) the European Materials Gold Medal, attributed by the Federation of European Materials Societies (FEMS) - 2023; (xix) the EPNOE Science Award 2023 from the European Polysaccharide Network of Excellence.