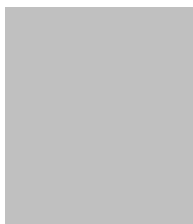


PERSONAL INFORMATION**Patrizia Perego**

Department of Civil, Chemical and Environmental Engineering

University of Genoa
Via Opera Pia 15, 16145 Genoa

Tel: +390-10-3532916 39-329-2104499

p.perego@unige.it

<https://rubrica.unige.it/personale/VUZDXIJs>

Sex Female | Date of birth 12/06/1958 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

Current position	Employee of the Department of Civil, Chemical & Environmental Engineering (DICCA)
2016-Today	Member of the National Agricultural Academy
2016-Today	Member of the Steering Committee of School of Excellence of Genoa University (IANUA).
2015-Today	Member of the Groups of Experts of Evaluation (GEV09) at the Italian Agency for the Evaluation of Universities and Research Institutions (ANVUR)
2014-Today	Full-time Professor of Chemical Plants at DICCA, Polytechnic School of University of Genoa.
2007-2014	Full-time Associate Professor, at DICheP (now DICCA), Faculty of Engineering of University of Genoa.
2004-2007	Member of the Administrative Board of Genoa University
2001-2007	Member of the Administrative Board of Genoa University
2001-2004	Deputy member of MURST Commission concerning criteria and procedures to assign economic resources of "Investment Fund for Basic R&D Activities" (FIRB)

EDUCATION AND TRAINING

1983-1986	PhD degree in Materials Engineering, 1st cycle, at Milan Polytechnic. End of course Oct.1986, Final exam pass 21 July 1987, Ministry of Education, Rome
1982	Degree in Science & Food Technology, November 1982. Milan University

WORK ACTIVITIES**Awards**

SRB Excellence Award for relevant contribution into the field of biomaterials, tissue engineering and medical devices. 8th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BiomMedD'2018
Prize of the Brazilian Society of Microbiology of Scientific Merit in Industrial Microbiology, for the paper MIN-130, "Vanillin Production by Recombinant Strains of Escherichia coli", Autorship: A. Converti, D. De Faveri, P. Perego, P. Barghini, M. Ruzzi, L. Sene, presented at the XXII Brazilian Congress of Microbiology, 17-20/11/2003, Florianopolis-SC, Brazil. 2003
Silver Plaque of the 5th National Prize "Federchimica - for an intelligent future", for the work "Continuous ethanol production from lignocellulosic residues in immobilized cell reactors", Final report of the "Concerted Action on Enzymatic Hydrolysis", funded by the European Community – CEE.1993

Editorial activity

2006-present	Member of the Editorial Board of the journal "Ciência Tecnologia de Alimentos and" Ed Sociedade Brasileira de Microbiology, Campinas-SP, Brazil
2004-present	Member of the Editorial Board of the magazine: 'Ciencia y Tecnologia Alimentaria', published by Taylor & Francis, London

Invited presentations

65th ESCVS – International Congress of the European Society for CardioVascular and Endovascular Surgery – "Biodegradable vascular prosthesis: the role of the chemical engineer", Belgrade, Serbia, 21-24 April, 2016.
University of Sydney – Advances in Biotechnology for Food and Medical Applications Workshop – "Green extraction and encapsulation of bioactive compounds for food and biomedical applications", Sydney (AU), 5-7 October, 2016.

University of Sao Paulo (Brazil), Faculty of Pharmaceutical Sciences, Department of Biochemical-Pharmaceutical Technology, "Micro and nanoencapsulation of bioactive compounds for food and biomedical applications", Sao Paulo, September 29, 2017RRR

8th International Conference Biomaterials, Tissue Engineering & Medical Devices- "From chemical engineering to tissue engineering: functionalization of small-diameter vascular prostheses with bioactive compounds", Cluj-Napoca, Romania, September 2018.

Winter School of the European Society for Cardiovascular and Endovascular Surgery, Kopaonic, Serbia, January 2019.

COST meeting BIONECA Project COST ACTION CA16122, "From chemical engineering to vascular medicine: engineered bioprostheses" Skopje, Macedonia, March 2019.

Patents

- 1) PCT/IB2020/057829 Polymer immuno-nanoparticles for targeted therapy and diagnosis of atherosclerosis. 2021
- 2) PCT/IB2020/055404 Engineered nanoliposomes for targeted atherosclerosis therapy and their preparation process. 2020
- 3) PCT/IB2020/ 060448 Process and system for extracting molecules from solid particle matrices. 2021

Spin off

BEST SRL date of constitution 26/10/2020. The society develop innovative products in the field of symbiotic agriculture.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

English

Job-related skills

food waste valorization, innovative green processes biological validation & micro/nanoencapsulation of antioxidant substances; technology of food preservation; nutraceutical and functional food development; mild technologies for food stabilization and functionality improvement;

ADDITIONAL INFORMATION

Publications

total number of publications in peer-review journals 234

total number of citations 9842

H index 47

The most relevant publications in the last 5 years are:

- 1) Paini M., Casazza A.A., Aliakbarian B., Perego P., Binello A., Cravotto G., 2016. Influence of ethanol/water ratio in ultrasound and high-pressure/high-temperature phenolic compound extraction from agri-food waste. *Int. J. Food Sci. Technol.* 51, 349-358. doi:10.1111/ijfs.12956.
- 2) Aliakbarian B., Paini M., Adami R., Perego P., Reverchon E., 2017. Use of Supercritical Assisted Atomization to produce nanoparticles from olive pomace extract. *Innov Food Sci Emerg Technol.* 40, 2-9. doi:10.1016/j.ifset.2016.09.016.
- 3) Neviani M., Aliakbarian B., Perego P., Paladino O., 2019. Extraction of polyphenols from olive pomace: Mathematical modeling and technological feasibility in a high temperature and high pressure stirred reactor. *Chem. Eng. Res. Des.* 141, 32-46. doi:10.1016/j.cherd.2018.10.033.
- 4) Averna M., Casazza A.A., Martines A., Pedrazzi M., Franchi A., De Tullio R., Perego P., Melloni E., 2019. Cell protection from Ca²⁺-overloading by bioactive molecules extracted from olive pomace. *Nat. Prod. Res.* 33, 1449-1455. doi:10.1080/14786419.2017.1422181.
- 5) Franchi A., Pedrazzi M., Casazza A.A., Millo E., Damonte G., Salis A., Liessi N., Onofri F., Marte A., Casagrande S., De Tullio R., Perego P., Averna M., 2020. A Bioactive Olive Pomace Extract Prevents the Death of Murine Cortical Neurons Triggered by NMDAR Over-Activation. *Molecules* 25(19), 4385. doi: 10.3390/molecules25194385.

Projects

The most relevant projects in the last 5 years are:

Proof of concept SolVE (Solid Liquid Multivariable Extractor) MISE 2021 (Budget 40'000 €).

CETENA/FINCANTIERI 2019 " Food wastes treatments" (Budget 270'000 €).

European Fund for regional Development (FESR) and European Social Fund (FSE) 2014: Nutralp VDA project (Nutraceuticals in Aosta Valley) (Budget 65'000 €).

Milan Center Food for Law and Policy 2018 - " A Package Made of Wood in Contact with Food (MOCA): Mechanical and biochemical characterization "(Budget 60'000 €).

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Genova, 31/01/2022