

PERSONAL INFORMATION

Francesca Pardeo



📍 Biotecnomed S.c.a.r.l.
Registered office: University Magna Graecia - Campus Germaneto
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🌐 <https://www.biotecnomed.it/>

Sex Female | Date of birth 13/02/1975 | Nationality Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☒ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2015 – present **R&D Senior Mechanical Engineer**
Biotecnomed S.c.a.r.l., R & D Manager, Mechanical Designer, Manager of the Mechanical Laboratory. Design and development of mechanical device prototypes.
- 2014 – 2015 **R&D Senior Mechanical Engineer**
Age srls, Lamezia Terme (CZ), Italy. Design and implementation of an innovative domestic agri-food device for the production of olive oil.
- 2007 - 2011 **Project Coordinator and Mechanical Engineer**
N.T.M. S.r.l. (New Technology Machine S.r.l.), Vibo Valentia Marina (VV), Italy. Mechanical design/FEM analysis in the development of a prototype machining center with controlled axes and linear motors for high processing speeds. Supervisor in the manufacturing and welding operation of mechanical components. Supervisor and contribution to the assembly of the prototype together with the whole work team.
- 2004 - 2007 **Industrial researcher and mechanical design engineer**
Synesis - Comau Powertrain Systems R&D Fiat Group, Via delle Magnolie – 70026 Modugno (BA), Italy, Via Rivalta, Grugliasco (TO), Italy. <https://www.comau.com/it/>
Mechanical design / FEM analysis, test procedures in the development of a new automatic five-axis work center. Working experience in the OPEL –ASPERN, Austria, for the commissioning of the assembly line of an engine gearbox.

EDUCATION AND TRAINING

- 2014 - 2015 **Fellowship from University of Palermo (UNIPA)**
University of Palermo (UNIPA), Mechanical Engineering Department, Piazza Marina, 61, 90133 Palermo PA. R&D on nano coating process for offshore nautical components for the resolution of biofouling problems.
- 2011 - 2014 **PhD in Micro and Nanotechnology**
Magna Graecia University - Department of Micro and Nanotechnology, Viale Europa 88100, Catanzaro. Department of Micro and Nanotechnology, Technical University of Denmark (DTU)
Research and development of innovative processes / products in the field of nano and microtechnology applied to the biomedical sector.
- 2002 - 2003 **1st level Master Degree in Industrial Research**
ITIA-CNR (Institute of Industrial Technologies and Automation-National Research Council), Viale Lombardia 20A, Milan, Italy.
Designing, conducting and managing research and innovation in industrial enterprises within international networks. Integrated Approach Simulation Measures for Machine Tools.

- 2002 **Specialization course in Industrial Design**
University of Calabria (UNICAL), Campus Arcavacata - via P. Bucci - Arcavacata 87036 Rende (CS), Italy. Rendering techniques and 3D solid modeling, History of Industrial Design, Graphic Design for the product Industrial Design Principles, Materials Technology, Methods of Industrial Design, Computer Graphic Design, Marketing, Design of a product of Industrial Design, Graphic Workshop, Laboratory of CAD, Design Laboratory.
- 2002 **Master's Degree in Mechanical Engineering**
University of Calabria (UNICAL), Campus Arcavacata - via P. Bucci - Arcavacata 87036 Rende (CS), Italy. Geometry, Design and construction of machinery, Building Science, Mechanical Technology, Materials Science.

WORK ACTIVITIES

- Grants** PON R&I 2014-2020 ARS01 00566 NADITEMM
POR CALABRIA FESR-FSE 2014-2020 - WEEPIE - WEARABLE PROGRAMMABLE DEVICE FOR COMPLIANCE ENHANCEMENT (PRINCIPALE INVESTIGATOR)
"HORIZON 2020" PON I&C 2014-2020 - MATE - (MULTIFUNCTION ASSISTANT FOR LITTLE KIDS AND THE ELDERLY)
PON MIUR 2007-2013 ICARE PON03PE_00009_2
- Patents** INTERNATIONAL APPLICATION PATENT NUMBER **PCT WO2015177654** - "A MICROFLUIDIC DEVICE THAT SEPARATES CELLS"
INTERNATIONAL PUBLICATION NUMBER **PCT WO2017/006258 A1** - "A DEVICE FOR DIGITIZING THE SOUND OF A STETHOSCOPE AND SENDING IT TO AN ELECTRONIC INSTRUMENT"
ITALIAN PATENT NUMBER **102017000112700** - TAPPARELLA A VOLGIBILE A SISTEMA DESMODROMICO"
ITALIAN PATENT NUMBER: **102015000086564** - "ELETTRODOMESTICO PER LA PRODUZIONE DI OLIO DI OLIVA IN CASA".
ITALIAN PATENT NUMBER: **102017000000273** - "DISPOSITIVO DI GRAMOLATURA E CENTRIFUGA DI PASTA DI OLIVE PER LA PRODUZIONE DI OLIO D'OLIVA".
ITALIAN PATENT NUMBER: **202016000112205** - "DISPOSITIVO DI FISSAGGIO A PARETE"

ITALIAN PATENT NUMBER: **102017000023621** - UN DISPOSITIVO ED UN METODO PER L'INSTALLAZIONE DI UN TASSELLO IN UNA PARETE
ITALIAN PATENT NUMBER: **202020000003829** - MASCHERA PROTETTIVA E KIT DI PROTEZIONE
ITALIAN PATENT NUMBER: **102023000010839** - DISPOSITIVO MEDICALE PER LA VALUTAZIONE DELLA NEUROPATIA DIABETICA
ITALIAN PATENT NUMBER: **102024000004534** DISPOSITIVO E KIT PER IL RILEVAMENTO DI LIPODISTROFIA

ADDITIONAL INFORMATION

- publications** -GERARDO PEROZZIELLO, PATRIZIO CANDELORO, FRANCESCO GENTILE, MARIA LAURA COLUCCIO, MARCO TALLERICO, ANTONIO DE GRAZIA, ANNALISA NICASTRI, ANGELA MENA PERRI, ELVIRA PARROTTA, FRANCESCA PARDEO, ROSSELLA CATALANO, GIOVANNI CUDA, ENZO DI FABRIZIO - "A MICROFLUIDIC DIALYSIS DEVICE FOR COMPLEX BIOLOGICAL MIXTURE SERS ANALYSIS"
RECEIVED 24 OCTOBER 2014, ACCEPTED 6 FEBRUARY 2015, AVAILABLE ONLINE 14 FEBRUARY 2015
DOI: 10.1016/J.MEE.2015.02.015
- G. PEROZZIELLO, P. CANDELORO, F. GENTILE, A. NICASTRI, A. PERRI, M. L. COLUCCIO, A. ADAMO, F. PARDEO, R. CATALANO, E. PARROTTA, H. D. ESPINOSA, G. CUDA, E. DI FABRIZIO, MICROFLUIDICS & NANOTECHNOLOGY: TOWARDS FULLY INTEGRATED ANALYTICAL DEVICES FOR THE DETECTION OF CANCER BIOMARKERS, RSC ADVANCES, 2014, 4 (98), 55590-55598;
- PEROZZIELLO G, SIMONE G, MALARA N, LA ROCCA R, TALLERICO R, CATALANO R, PARDEO F, CANDELORO P, CUDA G, CARBONE E, DI FABRIZIO E. - "MICROFLUIDIC BIOFUNCTIONALISATION PROTOCOLS TO FORM MULTI-VALENT INTERACTIONS FOR CELL ROLLING AND PHENOTYPE MODIFICATION INVESTIGATIONS"
ELECTROPHORESIS. 2013 JUL;34(13):1845-51. DOI: 10.1002/elps.201300106.
- G. PEROZZIELLO, G. SIMONE, R. LA ROCCA, F. PARDEO, P. CANDELORO, N. MALARA, C. LIBERALE, F. DE ANGELIS, G. CUDA, E. CARBONE, E. DI FABRIZIO - "IN SITU MICROFLUIDIC BIOFUNCTIONALISATION TO FORM MULTIVALENT INTERACTIONS AND INVESTIGATE CELL ROLLING AND PHENOTYPE MODIFICATION" - JANUARY 2012 ELECTROPHORESIS
- G. PEROZZIELLO, R. CATALANO, M. FRANCARDI, E. RONDANINA, F. PARDEO, F. DE ANGELIS, N. MALARA, P. CANDELORO, G. MORRONE, E. DI FABRIZIO - "A MICROFLUIDIC DEVICE INTEGRATING PLASMONIC NANODEVICES FOR RAMAN SPECTROSCOPY ANALYSIS ON TRAPPED SINGLE LIVING CELLS"
MICROELECTRONIC ENGINEERING, 10.1016/J.MEE.2013.02.023 - ISSN: 01679317
- STEFANIA DE VITIS, GIUSEPPINA MATARRISE, FRANCESCA PARDEO, ROSSELLA CATALANO, NATALIA MALARA, VALENTINA TRUNZO, FRANCESCO GENTILE, PATRIZIO CANDELORO, JOERG P. KUTTER, GERARDO PEROZZIELLO, ENZO DI FABRIZIO - "ISOLATION OF CANCER CELLS BY "IN SITU" MICROFLUIDIC BIOFUNCTIONALIZATION PROTOCOLS"
MEE-D-13-00590R1

-ROSSELLA CATALANO, GERARDO PEROZZIELLO, GIUSEPPINA SIMONE, PATRIZIO CANDELOORO, FRANCESCO GENTILE, MARIA LAURA COLUCCIO, NATALIA MALARA, FRANCESCA PARDEO, MANFRED BURGHAMMER, GIOVANNI CUDA, CHRISTIAN RIEKEL, ENZO DI FABRIZIO, "OPTIMIZED FABRICATION PROTOCOLS OF MICROFLUIDIC DEVICES FOR X-RAY ANALYSIS " - MEE-D-13-00709r1

Catanzaro, 26/06/2024

A handwritten signature in black ink, reading "Francesco Pardeo". The signature is written in a cursive, flowing style.