EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**PAOLO MARIANI**
Address	**DIPARTIMENTO DI SCIENZE DELLA VITA E DELL'AMBIENTE, UNIVERSITA' POLITECNICA DELLE MARCHE** **VIA BRECCE BIANCHE, ANCONA - 60121**
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E-mail	**p.mariani @univpm.it**
Nationality	omissis
Date of Birth	-
Gender	omissis

WORK EXPERIENCE

• Dates (from - to)	November 2013 - today
• Name ad address of the employer	Università Politecnica delle Marche – Dipartimento di Scienze della Vita e dell'Ambiente
• Type of business or sector	Academic
• Occupation or position held	**Full professor – Applied Physics (FIS/07)**
• Dates (from - to)	November 1999 – October 2013
• Name ad address of the employer	Università Politecnica delle Marche – Facoltà di Scienze
• Type of business or sector	Academic
• Occupation or position held	**Associate professor – Applied Physics (FIS/07)**
• Dates (from - to)	November 1990 – October 1999
• Name ad address of the employer	Università Politecnica delle Marche – Facoltà di Medicina e Chirurgia
• Type of business or sector	Academic
• Occupation or position held	**Researcher – Applied Physics (FIS/07)**
• Dates (from - to)	November 1987 – October 1990
• Name ad address of the employer	Università Politecnica delle Marche – Facoltà di Medicina e Chirurgia
• Type of business or sector	Academic
• Occupation or position held	**Adjunct Professor – Applied Physics (FIS/07)**
• Dates (from - to)	November 1985 – October 1987
• Name ad address of the employer	CNRS - Centre de Genetique Moleculaire (Gif-sur-Yvette, France)
• Type of business or sector	Research
• Occupation or position held	**Researcher (CEE stimulation plan) – Low resolution Crystallography**
• Dates (from - to)	November 1982 – October 1985
• Name ad address of the employer	Università Politecnica delle Marche – Facoltà di Medicina e Chirurgia
• Type of business or sector	Academic
• Occupation or position held	**Adjunct Professor – Applied Physics (FIS/07)**

EDUCATION AND TRAINING

• Dates (from - to)	November 1975 - February 1981
• Name and type of organisation providing education and training	Università degli Studi di Bologna
• Principal subjects/occupational skills covered	Experimental degree thesis aimed at studying the chiral activity of new synthesized small molecules
• Title of qualification awarded	**Graduate in Pharmaceutical Chemistry and Technology**

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE **ITALIAN**

OTHER LANGUAGES **FRENCH, ENGLISH**

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

- Research interests (5 Key words): Molecular Biophysics, in-solution structure of biomolecules and biosystems, bio-nano-materials, X-ray and neutron scattering, biosensors.
- Author of 190 publication on Scientific Journals.
- Lecturer of several academic courses or modules since 1982 (i.e. Physics, Medical Physics, Bioinfromatics, Biophysics).
- Organization and Communication at national and international congresses (more than 200 communications).
- Supervisor of several university theses (three-year, specialist and master's); tutor of several doctoral theses.
- Lecturers in several advanced, national and international training courses.

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

- From 2001 to 2007, he was a member of the Proposal Review Panel for Biology (Committee 8) at the ILL (Neutron for Science EU Research Infrastructure) of Grenoble (France);
- From 2002 to 2008, he was a member of the Proposal Review Panel for Chemistry-Physics and Biology (Comitté de Sélection Physico-chimie et Biologie) at the LLB (Laboratoire Léon Brillouin, French Neutron Source) of Saclay (France);
- Since 2004, he is member of the Proposal Review Panels of the Sincrotrone Elettra in Trieste. Currently, he is the Chairman of the Proposal Review Panel "Scattering";
- From 2005 to 2008, he was a member of the STI (Scientifical and Technical Issues Group) committee for the European XFEL project in Hamburg (European X-ray Free Electron Laser Project).
- From 2005 to 2008, he was a member of the "Hard X-ray" committee of ESFRI (European Strategy Forum on Research Infrastructures) for the construction of the common roadmap for European research infrastructures.
- From 2007 to 2010, he was a member of the Scientific Council of the National Interuniversity Consortium for the Physics of Matter (CNISM);
- From 2008 to 2013, he was a member of the Scientific Committee of the ILL (Neutron for Science EU Research Infrastructure) of Grenoble (France);
- From 2010 to 2016 he was President of SISN, Italian Society of Neutron Spectroscopy;
- From 2010 to 2016 he was the National delegate to ENSA (European Neutron Scattering Association);
- Since 2010 he is member of the Board of Directors of the National Interuniversity Consortium for the Physics of Matter (CNISM) (until 2014 he was Vice President);
- Since 2010 he is member of the Steering Committee of CRG-IN13 (Collaborative Research Group for the Thermal neutron backscattering spectrometer) of the ILL of Grenoble (France);
- From 2011 to 2013 he was Vice Director of the Department of Life and Environmental Sciences at Università Politecnica delle Marche;
- From 2012 to 2015, he was a member of the Proposal Review Panel of the Free Electron Laser Fermi of Trieste;

- Since 2012, he is member of the Commission for the Coordination of Neutron Spectroscopy Activities of the CNR. The CNR commission was renamed in 2013 as Commission for the Coordination of Research activities with neutron and X-ray sources.
- From 2014 to 2019, he was Director of the Department of Life and Environmental Sciences at the Universitò Politecnica delle Marche.
- Since 2015 he is in charge of the High-throughput Recombinant Protein Production Research Infrastructure (MaSBiC) at the Università Politecnica delle Marche .
- Since 2016 he is member of the Steering Committee of ILL (Neutron for Science EU Research Infrastructure) of Grenoble (France);
- Since 2017, he is member of the Proposal Review Panels of the Consortium Central European Research Infrastructure - CERIC-ERIC (AREA Science Park, Trieste)
- Since 2019 he is the Rector Delegate and Coordinator of the Research and International Ranking Commission of the Polytechnic University of Marche.
- Since 2020 he is Coordinator of the PhD Program in Life and Environmental Sciences.

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 198
- TOTAL NUMBER OF CITATIONS: 5738
- H-INDEX: 40

10 MOST RELEVANT PUBLICATIONS
In the last 10 years.

1. Silvestrini, L., Belhaj, N., Comez, L., Gerelli, Y., Lauria, A., Libera, V., Mariani, P., Marzullo, P., Ortore, M.G., Palumbo Piccionello, A., Petrillo, C., Savini, L., Paciaroni, A., Spinozzi, F. The dimer-monomer equilibrium of SARS-CoV-2 main protease is affected by small molecule inhibitors (2021) Scientific Reports, 11 (1), art. no. 9283.
2. Sguizzato, M., Mariani, P., Spinozzi, F., Benedusi, M., Cervellati, F., Cortesi, R., Drechsler, M., Prieux, R., Valacchi, G., Esposito, E. Ethosomes for coenzyme Q10 cutaneous administration: From design to 3D skin tissue evaluation (2020) Antioxidants, 9 (6), art. no. 485.
3. Singh Hallan, S., Sguizzato, M., Pavoni, G., Baldisserotto, A., Drechsler, M., Mariani, P., Esposito, E., Cortesi, R. Ellagic acid containing nanostructured lipid carriers for topical application: A preliminary study (2020) Molecules, 25 (6), art. no. 1449.
4. Pieraccini, S., Campitiello, M., Carducci, F., Davis, J.T., Mariani, P., Masiero, S. Playing supramolecular dominoes with light: Building and breaking a photoreversible G-quadruplex made from guanosine, boric acid and an azobenzene (2019) Organic and Biomolecular Chemistry, 17 (10), pp. 2759-2769.
5. Minnelli, C., Moretti, P., Fulgenzi, G., Mariani, P., Laudadio, E., Armeni, T., Galeazzi, R., Mobbili, G. A Poloxamer-407 modified liposome encapsulating epigallocatechin-3-gallate in the presence of magnesium: Characterization and protective effect against oxidative damage (2018) International Journal of Pharmaceutics, 552 (1-2), pp. 225-234.
6. Carducci, F., Yoneda, J.S., Itri, R., Mariani, P. On the structural stability of guanosine-based supramolecular hydrogels (2018) Soft Matter, 14 (15), pp. 2938-2948.
7. Mazzoni, S., Barbosa, L.R.S., Funari, S.S., Itri, R., Mariani, P. Cytochrome-c Affects the Monoolein Polymorphism: Consequences for Stability and Loading Efficiency of Drug Delivery Systems (2016) Langmuir, 32 (3), pp. 873-881.
8. Esposito, E., Ravani, L., Drechsler, M., Mariani, P., Contado, C., Ruokolainen, J., Ratano, P., Campolongo, P., Trezza, V., Nastruzzi, C., Cortesi, R. Cannabinoid antagonist in nanostructured lipid carriers (NLCs): Design, characterization and in vivo study (2015) Materials Science and Engineering C, 48, pp. 328-336.
9. Spinozzi, F., Ferrero, C., Ortore, M.G., De Maria Antolinos, A., Mariani, P. GENFIT: Software for the analysis of small-angle X-ray and neutron scattering data of macromolecules in solution (2014) Journal of Applied Crystallography, 47 (3), pp. 1132-1139.
10. Esposito, E., Mariani, P., Ravani, L., Contado, C., Volta, M., Bido, S., Drechsler, M., Mazzoni, S., Menegatti, E., Morari, M., Cortesi, R. Nanoparticulate lipid dispersions for bromocriptine delivery: Characterization and in vivo study(2012) European Journal of Pharmaceutics and Biopharmaceutics, 80 (2), pp. 306-314.

PATENTS

- Application for 1 National Patent: Patent application n. 102018000008207 entitled "Method of treatment and enhancement of liquid crystal displays at the end of their life with zero waste"

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

Ancona, 7.10.2023

L'originale compilato e sottoscritto è depositato presso gli Uffici dell'Ente