

CURRICULUM VITAE OF MAURO MARCHETTI

PERSONAL INFORMATION

Mauro Marchetti, [REDACTED]
Executive research scientist (Dirigente di Ricerca) at CNR Institute of Biomolecular Chemistry, Sassari Division.

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Google Scholar:

https://scholar.google.it/citations?hl=it&user=jY_eKdMAAAAJ&view_op=list_works&gmla=AJsN-F7-UNlDa2YiwHzX6ZC_v87RSs67dawyqkfNxBHoc3OsTrh8EEiDIovkwex-TijTFBQnEHDvalmvvERw5PdQVnxm_djA5zwharOSFNzZiITQDJK_nHyDdYkfkseHb3fgtE_u4YRar

WORK EXPERIENCE

1972/1977 Chemie Laborant at the Eidgenossischen Technischen Hochschule (ETH) in Zuerich.

1977/1980 Fellow of a scholarship granted by the Società Italiana Resine (SIR), at the Institute of Applied Chemistry, University of Sassari.

1980/1982 Fellow of a scholarship granted by Laviosa Chemical Industry, at the Institute of Applied Chemistry, University of Sassari.

1983/1984 Head of the Municipal Water Quality Control Laboratory of the city of Sassari.

1985/1996 Research Associate at the Institute for the Application of Advanced Chemical Techniques to Agro-Biological Problems of C.N.R. (Italian National Research Council).

1996/2002 Director of the Institute for the Application of Advanced Chemical Techniques to Agro-Biological Problems of C.N.R. (Italian National Research Council).

2002-2006 Director of the section of Sassari of the Institute of Biomolecular Chemistry of C.N.R. (Italian National Research Council).

2006-Today Director Delegate Manager in Sassari of the Sassari's division of the Institute of Biomolecular Chemistry of C.N.R. (Italian National Research Council).

2007-2014-Responsible of the remote structure in Sassari of general Director of the C.N.R.

2015-Today Responsible of Research Area of C.N.R. of Sassari

EDUCATION AND TRAINING

1982-Degree in Chemistry with full marks (110/110) at the University of Sassari.

1987/1988-Post-doctoral fellowship at the Department of Chemistry, Baker Laboratories, Cornell University (Ithaca, N.Y., USA) in the research group of Prof. Fred

Mc Lafferty.

1989-Visiting Scientist at the Faculdade de Ciencias Farmaceuticas at the Universidade de Sao Paulo at Ribeirao Preto.

1995-Visiting Professor at the Faculdade de Ciencias Farmaceuticas at the Universidade de Sao Paulo at Ribeirao Preto

2003-Visiting Professor at the Faculdade de Ciencias Farmaceuticas at the Universidade de Sao Paulo at Ribeirao Preto

2010- Visiting Professor at the Faculdade de Ciencias Farmaceuticas at the Universidade de Sao Paulo at Ribeirao Preto

QUALIFICATION

From 2006 to 2011, it has been component of the Expert Committee for the Short-Term Mobility Program of CNR.

In 2006 he was component of Expert Committee for the selection of candidates for the EURYI 2005-2006 prize by the European Science Foundation (ESF).

In 2007, the "Rapporteur" of the Commission for the Awarding of the "Diploma d'Habilitation in Diriger des Recherches" (12 December 2007) at the University of Court (France).

From 2008 to 2013 Chairman of the Ethics Committee of the SMIRG Foundation (Sardinian Mediterranean Imaging Research Group).

From 2008 to 2012 Scientific Director of the Steering Committee for the agreement between Imaging s.r.l. And the CNR Biomolecular Chemistry Institute.

From 2009 to 2012 he was a member of the Scientific Council of CNR's Molecular Design Department.

From 2012 to 2015 he was a member of the Regional Council for Sardinia Research, as a representative of the National Research Institutes.

In 2012 he was member of the Technical Commission on the final waste treatment in the city of Nuoro.

Since 2012, it is part of the Technical Commission for the Convention on the development of Sustainable Chemistry establishments in the regional territory of Sardinia.

From 2013 he is a component of Commission for the CNR's participation in the International Union of Pure and Applied Chemistry (IUPAC).

From 2015 Representative in the Task Force for Program Agreement between Federchimica and the National Research Council.

RESEARCH MANAGEMENT AND OTHER SCIENTIFIC ACTIVITIES

- 2007 - 2009 MAE - MIUR Project Operational Unit Manager: "Development of New Antioxidant Drugs".

- 2008 - 2012-Responsible for research agreement between imaging srl and SMIRG foundation and CNR

- 2009-Coordinator for the CNR of the project: "The chemistry of formulations for made in italy: new technology platforms for skins and textiles with low environmental impact"

- 2010-Regional Project Operational Unit (Sardinia Region): "Bio-agronomic evaluation and characterization of bioactive compounds in Sardinian populations of Bituminaria complex".

- 2010-Regional Project Operational Unit Manager (Sardinia Region): "Study of interactions between plant species and rhizosphere microorganisms in sandy coastal habitats of the island and Gulf of Asinara and chemical characterization of pollutants present in marine sediments".

- 2010-CNR-CONICET (argentina) Bilateral Project Manager: "Caracterizacion perfil de aromas en quesos argentines and italianos", Proyecto: Zalazar / Marchetti.

- 2011-Responsible Operational Unit of the Project Italy India, MAE - MIUR: "Development of New Antioxidant Drugs".

- 2011-Research contractor with the company FASE 1 srl: "Realization of the research and development service of the preliminary synthesis of the molecule metilspirano".
- 2011-Responsible Research Agreement between Biomolecular Chemistry Institute and ERCA SpA Company, 'New aliphatic ester preparation methods based on' green 'innovative technologies.
- 2012-Scientific Coordinator for CNR of the National Cluster on Green Chemistry.
- 2012-Responsible Operational Unit of the project "Third Generation Biorefineries" within the National Cluster of Green Chemistry.
- 2013-CNR Project Scientific Coordinator "Third Generation Biorefinery Integrated with Territory and Biofuels".
- 2013 – Responsible of the topic "Green Chemistry" for the SCTM Department of CNR under the European ROCKETs Service Contract for "Methodology, Work Plan and Roadmap for Cross-cutting Key Enabling Technologies activities in Horizon 2020".
- 2014 - Scientific Director of the Oli Sardine Essence Project (ODESSA), within the Rural Development Program 2007/2013 of the Region of Sardinia.
- 2014 - Scientific Director of the "CCC Logo and Organizational Innovation" project of the Tuscany region for the support of organizational change for companies operating in the Tuscany region, won by Verinlegno (PT).
- 2015-Promoter and Scientific Manager of the Scientific Agreement and Industrial Promotion between the Research Area of Sassari of CNR and the Ministry of Agriculture and Environmental Protection of the Republic of Serbia.

AWARDS AND RECOGNITIONS

M. Marchetti has delivered 58 invited talks

SCIENTIFIC OUTPUT

Mauro Marchetti has co-authored over 121 papers on peer review journals, 4 patents, 160 scientific communications. H index=24 (march 2017), his publications received more than 1880 citations.

SELECTED PUBLICATIONS

1. "Antibacterial activity of natural and hydroformylated essential oil of *Thymus capitatus* (L.) Hoffmanns & Link growing wild in North Sardinia, compared with commercial *Thymus* essential oils", Usai M., Foddai M., Sechi B., Juliano C., Marchetti M., NPC – Natural Product Communication, 2010, 5, 1985-1990.
2. "Efficient CALB Catalysed Esterification of Benzoic Acid Derivatives: Application to the Synthesis of Local Anaesthetics Intermediates", Solinas M., Marchetti M., Giunta D., Morrone R., Tetrahedron Letters, 2013
3. "Chemical composition of essential oils of leaves and flowers from five cultivars of myrtle (*Myrtus communis* L.)", Usai M., Mulas M., Marchetti M., Journal of Essential Oil Research, 2015, 27, (6), 465–476.
4. Iannuzzi A., Perucatti A., Pauciullo A., Melis R., Porqueddu C., Marchetti M., Usai M., Iannuzzi L. Sister chromatid exchange (SCE) test in river buffalo lymphocytes treated in vitro with furocoumarin extracts *Mutagenesis*. 2016, 31 (5): 547-551.
5. Fuggetta M.P., De Mico A., Cottarelli A., Morelli F., Zonfrillo M., Ulgheri F., Peluso P., Mannu A., Deligia F., Marchetti M., Roviello G.N., Romero A.R., Doemling A., Spanu P. Synthesis and Enantiomeric Separation of a Novel Spiroketal derivative: A Potent Human Telomerase Inhibitor with High In Vitro Anticancer Activity *Journal of Medicinal Chemistry*, 2016, 59(19), 9140–9149.
6. Usai M., A.D. Atzei, Marchetti M.. A comparative study on essential oil intraspecific and seasonal variations: *Melissa romana* Mill and *Melissa officinalis* L. from Sardinia. *Chemistry & Biodiversity*, 2016, 13, 1076–1087.

7. Mastino P.M., Marchetti M., Costa J., Usai M. Comparison of essential oils from *Cistus* species growing in Sardinia. *Natural Product Research*. 2017, 31(3):299-307.

LINK TO THE EXTENDED CURRICULUM

<http://www.icb.cnr.it/it/index.php/personale/ricercatori/82-marchetti-mauro>