

PERSONAL INFORMATION

Michele Ferrari



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🌐 <https://www.icmate.cnr.it/en/people/card/userprofile/michele%2Cferrari>

Sex Male | Date of birth 11/08/1958 | Nationality Italian

WORK EXPERIENCE

- Senior Researcher CNR-ICMATE
- Researcher, permanent staff CNR ICFAM-IENI-ICMATE
- Contract Researcher CNR-ICFAM
- Teaching Chemistry in High School

EDUCATION AND TRAINING

- Post-doc in Interface Sciences Max Planck Institute for Colloids and Interface Science Berlin-Germany (Group Dr.Reinhard Miller)
- Habilitation to the profession of Chemist
- Master Degree Chemistry Faculty Mathematical,Physical,Natural Sciences University of Genova

PERSONAL SKILLS

Mother tongue(s) ITALIAN

Other language(s) ENGLISH (C1), SPANISH (B2), GERMAN (B1), FRENCH (B1)

Job-related skills

- Surface wettability techniques in liquid-air and liquid- liquid systems
- Design and development of highly water and oleo repellent coatings
- AFM and surface analysis
- Physical chemistry of adsorption of surfactants at liquid and solid interfaces
- Design and development of experimental techniques for tensiometry
- Technical/scientific support for experimentation in microgravity conditions

Other skills
Technology Transfer skills

-Brevetto nazionale GE2005A000087
- Development for commercial purposes and consultancy for users of Capillary Pressure tensiometers 2005
- Ditta METCO contract Application of tensiometric techniques inks for industrial printing on ceramics, protective hydrophobic agents for ceramics 2006
- Ditta EURORIGAN contract Study of wetting properties of industrial adhesives for disc brake pads
- Illy Caffè Interfacial and Wetting Properties of Coffee Based Beverages 2002-2010

Higher Education & Training skills

-PhD supervisor and member of PhD international evaluation boards
-Bachelor and Master theses supervisor on topics related to wettability, superhydrophobic surfaces, historical papers analysis
-Seminars with University of Genova in Colloid Science courses
-Invited lectures in international conferences in colloid and materials chemistry

Project Management skills

- **RITMARE FLAGSHIP PROJECT (2012-2016)**

- **ANFISOL (2018-2020)**
- **Macrolinea CNR-IENI** Superfici ed Interfasi Adsorbimento anfifilici all'interfaccia solido-liquido
- **Progetto intramurale CNR** Reazioni chimiche nello strato adsorbito 2002-2003
- **Progetto Intramurale CNR** Bagnabilità dei materiali nella conservazione dei beni culturali 2000-2001
- **Research Line** Proprietà di equilibrio di sistemi liquido-liquido e liquido-aria applicazione di nuovi modelli termodinamici per isoterme di adsorbimento 2000-2001

- **Liquid Film tensiometer** - National LIFT / Call for the Italian Space Agency (ASI) 2008-2013
- **Dynamic Surface Interfacial Tension measurements** related to ESA FASES-EC samples 2007-2010
- **ESA FASES** - Fundamental and Applied Studies in Emulsion Stability, CCN03 2007-2009
- **Project FASES** on the Space Shuttle STS107 2003
- **Project FAST** on the Space Shuttle STS 95 1998
- **Project FASTER** on ISS (International Space Station) 2016
- **ENI-Tecnologie** Study of the effect of the rheological properties of the water / oil interface on the stability of oil emulsions National / Industrial Research Contract **2005**

Project participation

ADDITIONAL INFORMATION

Publications 103 papers (ISI, book chapters) H index 35 (Google Scholar) with more than 3700 citations
<https://scholar.google.com/citations?user=nVww3eIAAAAJ>

Collaborations

- Framework agreement with University of Barcelona (Spain) Faculty of Pharmacy
- UNIGE DCCI LMM
- ESA Topical Team Biofilms in Space
- Max Planck Institute for Colloid and Interface Science (Golm-Germany)

Reviewing activities

Member Editorial Board Journal COATINGS (MDPI)
 Editor-in-chief of COATINGS Section Environmental Aspects in Colloids and Interface Science
 Co-Editor MDPI Topic "Advanced Self-Cleaning Surfaces"
 Evaluation Board ECIS 2016 30th Conference of the European Colloid and Interface Society
 International Evaluation Board Selection Associate Professor University Barcelona(Spain) Faculty of Pharmacy 2017
 International Evaluation Board PhD Defense EPFL Lausanne (CH) 2016
 International Evaluation Board PhD Thesis University of Granada (Spain) 2006
 Peer Reviewer for > 200 papers in international Journals in the fields of Surface Chemistry, Wettability, Liquid-solid interfaces, Nanomaterials
 Evaluation Board Member 8 Research Grant Selection

MUSICAL ACTIVITY

Founding member of the Cultural Association ECHO ART (1984) with which he carries out musical activities, training, teaching and artistic consultancy in the organization of the Mediterranean Music Festival (since 1992). He is co-curator of the Museum of Peoples' Music at the Museum of World Cultures of the Municipality of Genoa (2004).

He creates music in groups and as a soloist for theater and dance, for commercials and multimedia.

His interests are mainly aimed at intercultural contamination, traditional music and musical instruments collected in different geographical areas of the world.

Publications and Record Participations

Leitmotiv (LP '86); Kimi (EP '87); Music from Etno (LP'89); Cafè Méditerran (AAVV-CD '89); Coreografie (CD '93); Biennale Artisti Mediterranei (CD '97); Ritual Music from the Mediterranean (CD'97); Portosonoro (CD'99); Aia da Respiâ (Tributo a Fabrizio De Andrè)(CD AA.VV.2000); Medesign_Music04 (CD 2004); Last Blues di Franco Zaio (CD2007); Porta d'Oriente di Isola (CD2010)

Bibliographic publications

Musica, rito e aspetti terapeutici nel Mediterraneo: una guida all'ascolto in *Musica, rito e aspetti terapeutici nella cultura mediterranea* (a cura di Davide Ferrari Ed.Erga-Polimnia 1997)

Musical collaborations

Peter Gordon (USA), Blue Gene Tiranny (USA), Ben Neill (USA), Frederick Glorian (Germania), Kaadu Gui (Senegal), B'Net Houarryat (Marocco), Eschiglen(Mongolia), Francis Bebey (Cameroun), Tomas San Miguel (Spagna), Gnawa Sidi Mimoun (Marocco), Stella Chiweshe (Zimbabwe), Dervisci Galata Mevlevi Istanbul (Turchia);

Collaborations with contemporary dance and theatre companies

Arbalete, Limaa, Fura dels Baus (Spagna), IreneK (Belgio), Marco Baliani, A.Syxy, Marea Teatro, Teatro Cargo, Compagnia Filò, Gruppo Atelier.

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 April 19th, 2022

