Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Franco Mazzei**
Address(es)	Department of Chemistry and Drug Technologies, Sapienza University of Rome P.le Aldo Moro, 5 – 00185 Roma ITALY
Telephone(s)	+39 06 4991 3225 Mobile:
Fax(es)	+39 06 4991 3133
E-mail	franco.mazzei@uniroma1.it
Nationality	italian
Date of birth	February 6th, 1960
Gender	male

Occupational field

Physical Chemistry SSD CHIM/02

Work experience

Dates	2006 - today
Occupation or position held	Associate Professor
Main activities and responsibilities	
Name and address of employer	Sapienza University of Rome
Sector	Physical Chemistry
Dates	2000 - 2006
Occupation or position held	Researcher
Main activities and responsibilities	
Name and address of employer	Sapienza University of Rome

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Sector	Physical Chemistry
Dates	1991 - 2000
Occupation or position held	Graduated Technician
Main activities and responsibilities	
Name and address of employer	Sapienza University of Rome
Sector	Physical Chemistry
Education and training	
Dates	1988 - 1991
Title of qualification awarded	Ph.D. in Chemical Sciences
Name and type of organisation providing education and training	Sapienza University of Rome
Dates	1985
Title of qualification awarded	Master Degree in Chemistry
Name and type of organisation providing education and training	Sapienza University of Rome

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) English

Self-assessment

European level (*)

Language

Language

(*) Common European Framework of Reference for Languages

	Understanding		Speaking			Writing
	Listening	Reading	Spoken interaction	Spoken production		
Receiving	B1	C2	B2	B2		B2

Additional information Include here any other information that may be relevant, for example contact persons, references, etc.

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Annexes	List any items attached.

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Scientific Publication

1. Electrochemical kinetic characterization of redox mediated Glucose Oxidase reactions: a simplified approach
Stefania delle Noci, Marco Frasconi, Gabriele Favero, Marina Tosi, Tommaso Ferri and Franco Mazzei
Electroanalysis 2, 163-169 (2008) (I.F. 2.901)

2. Short and Long Term Variations in Serum Calciotrophic Hormones After a Single Very Large Dose of Ergocalciferol (Vitamin D2) or Cholecalciferol (Vitamin D3) in the Elderly
Elisabetta Romagnoli, Maria Lucia Mascia, Cristiana Cipriani, Valeria Fassino, Franco Mazzei, Emilio D'Erasmo, Vincenzo Carnevale, Alfredo Scillitani, and Salvatore Minisola
J Clin Endocrin Metab. 93(8), 3015-3020 (2008) (I.F. 6.325)

3. Soft-landed Voltammetry: a new tool for redox protein characterization
Franco Mazzei, Gabriele Favero, Marco Frasconi, Alessandra Tata, Nunzio Tuccitto, Antonino Licciardello and Federico Pepi
Analytical Chemistry, 80(15), 5937-5944 (2008) (I.F. 5.712)

4. Study of Ferrocene-modified G4 PAMAM Dendrimer for Reagentless Biosensor Development
Daniela Deriu, Gabriele Favero, Andrea D'Annibale, and Franco Mazzei
ECS Trans. 16(11), 105-113 (2008)

5. Polyazetidine-based Immobilization of Redox Proteins for Electron Transfer Based Biosensors
Marco Frasconi, Gabriele Favero, Massimo Di Fusco and Franco Mazzei
Biosensors & Bioelectronics, 24(5), 1424-30 (2009) (I.F. 5.143)

6. Partially Disposable Biosensors for the Quick Assessment of Damage in Foodstuff after Thermal Treatment
Franco Mazzei, Francesco Botrè, Gabriele Favero, Elisabetta Podestà, Claudio Botrè
Microchemical Journal 91(2), 209-213 (2009) (I.F. 2.505)

7. Diagnosis of Foramen of Huschke and Spontaneous salivary Fistula: Case Report
Massimo Fusconi MD ,Guido Benfari MD, Mazzei Franco, Daniela Deriu, Ferdinando Dambrosio MD, Mario Ciotti MD, Maria Giovanna Colicchio and Marco de Vincentiis
Journal of Oral and Maxillofacial Surgery 67,1747-1751 (2009) (I.F. 1.241)

8. Electron Transfer Kinetics of Microperoxidase-11 Covalently Immobilized onto MWCNTs Surface by Reactive Landing of Mass-Selected Ions
Franco Mazzei, Gabriele Favero, Marco Frasconi, Alessandra Tata and Federico Pepi
Chemistry A European Journal 15, 7359-7367 (2009) (I.F. 5.454)

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9. Electrochemical and Surface Plasmon Resonance characterization of β-cyclodextrin based self assembled monolayers and evaluation of their inclusion complexes with glucorticoids
Marco Frasconi and Franco Mazzei
Nanotechnology 20, 285502 (8pp) (2009) (I.F. 3.137)

10. Scleroglucan-Borax Hydrogel: a Flexible Tool for Redox Protein Immobilization
Marco Frasconi, Sara Rea, Pietro Matricardi, Gabriele Favero and Franco Mazzei
Langmuir 25(18), 11097-11104 (2009) (I.F. 3.898)

11. Development of a rapid screening method using capillary electrophoresis dynamic capillary coating to detect beta-adrenergic agents and other compounds in human urine for anti-doping purpose.
Monica Mazzarino, Xavier de la Torre, Franco Mazzei, Francesco Botrè
Journal of Separation Science 32, 3562-3570 (2009) (I.F. 2.632)

12. Bioelectrochemical Characterization of Horseradish and Soybean peroxidases
Marco Frasconi, Gabriele Favero, Cristina Tortolini, Franco Mazzei
Electroanalysis 21(21), 2378-2386 (2009) (I.F. 2.901)

13. Kinetic and redox properties of MnP II, a major manganese peroxidase isoenzyme from Panus tigrinus CBS 577.79
Maurizio Petruccioli, Marco Frasconi, Daniele Quaratino, Stefano Covino, Gabriele Favero, Franco Mazzei, Federico Federici, Alessandro D'Annibale
Journal of Biological Inorganic Chemistry 14(8), 1153-1163 (2009) (I.F. 3.600)

14. Surface plasmon resonance immunosensor for cortisol and cortisone determination
Marco Frasconi, Monica Mazzarino, Francesco Botrè, Franco Mazzei
Analytical and Bioanalytical Chemistry 394(8), 2151-2159 (2009) (I.F. 3.480)
15. Ferrocenyl Alkanethiols-Thio β-Cyclodextrin Mixed Self-Assembled Monolayers: Evidence of Ferrocene Electron Shuttling Through the β-Cyclodextrin Cavity
Marco Frasconi, Andrea D'Annibale, Gabriele Favero, Franco Mazzei, Roberto Santucci and Tommaso Ferri
Langmuir 25(22), 12937–12944 (2009) (I.F. 3.898)

16. Nanostructured materials based on the integration of ferrocenyl-tethered dendrimer and redox proteins on self-assembled monolayers: an efficient biosensor interface
Marco Frasconi, Daniela Deriu, Andrea D'Annibale and Franco Mazzei
Nanotechnology 20 No 50 (2009) 505501 (8pp) (I.F. 3.137)

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17. Laccase-Based Biosensor for the Determination of Polyphenol Index in Wine
Massimo Di Fusco, Cristina Tortolini, Daniela Deriu and Franco Mazzei
Talanta 81, 235–240 (2010) (I.F. 3.290)

18. Kinetic and biochemical properties of high and low redox potential laccases from fungal and plant origin
Marco Frasconi, Gabriele Favero, Harry Boer, Anu Koivula, Franco Mazzei
Biochimica et Biophysica Acta (BBA) - Proteins & Proteomics, Volume 1804, 899-908 (2010) (I.F. 2.480)

19. Protein immobilization at gold–thiol surfaces and potential for biosensing
Marco Frasconi, Franco Mazzei, Tommaso Ferri
Analytical and Bioanalytical Chemistry, Volume 398, Number 4, 1545-1564, DOI: 10.1007/s00216-010-3708-6 (I.F. 3.480)

20. Laccase-Polyazetidine Prepolymer-MWCNT integrated system: biochemical properties and application to analytical determinations in real samples
Cristina Tortolini, Massimo Di Fusco, Marco Frasconi, Gabriele Favero, Franco Mazzei
Microchemical Journal, Volume 96, Issue 2, November 2010, Pages 301-307, doi:10.1016/j.microc.2010.05.004 (I.F. 2.579)

21. Multifunctional Au Nanoparticle Dendrimer–Based Surface Plasmon Resonance Biosensor and its Application for Improved Insulin Detection
Marco Frasconi, Cristina Tortolini, Francesco Botrè, Franco Mazzei
Analytical Chemistry, 82 (17), 7335–7342 (2010) (I.F. 5.214)

22. Electrochemical evaluation of electron transfer kinetics of high and low redox potential laccases on gold electrode surface
Marco Frasconi, Harry Boer, Anu Koivula, Franco Mazzei1
Electrochimica Acta, 56 817–827 ((2010) (I.F. 3.325)

23. Surface plasmon resonance biosensors for environmental analysis: general aspects and applications
Cristina Tortolini and Marco Frasconi, Massimo Di Fusco, Franco Mazzei
Int. J. Environment and Health, Vol. 4, No. 4, 305-322 (2010)

24.Azurin modulates the association of Mdm2 with p53: an SPR evidence from interaction of the full-length proteins.
Fabio Domenici, Marco Frasconi, Franco Mazzei, Gabriella D'Orazi, Anna Rita Bizzarri and Salvatore Cannistraro
Journal of Molecular Recognition, 24(4), 707-714 (2011) (I.F. 3.767)

25.Polyazetidine-Coated Microelectrode: Electrochemical and Diffusion Characterization of Different Redox Substrates
Massimo Di Fusco, Gabriele Favero and Franco Mazzei
Journal of Physical Chemistry Part. B, 115, 972-979 (2011) (I.F. 3.471)

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26. The structure of maize Polyamine Oxidase K300M mutant in complex with the natural substrates provides a snapshot of the catalytic mechanism of polyamine oxidation.
Annarita Fiorillo, Rodolfo Federico, Fabio Polticelli, Alberto Boffi, Franco Mazzei, Massimo Di Fusco, Andrea Ilari, Paraskevi Tavlodoraki
FEBS Journal, 278, 809-821 (2011) (I.F. 3.042)

27. Chemically modified MWCNTs electrodes with ferrocene derivatives by reactive landing
Federico Pepi, Alessandra Tata, Stefania Garzoli, Pierluigi Giacomello, Rino Ragno, Alexandros Patsilinakos, Massimo Di Fusco, Andrea D'Annibale, Salvatore Cannistraro, Chiara Baldacchini, Gabriele Favero, Marco Frasconi, and Franco Mazzei
Journal of Physical Chemistry Part. C, 115 (11), pp 4863–4871 (I.F. 4.224)

28. Characterization and application of a Diamine Oxidase from Lathyrus sativus as Component of an Electrochemical Biosensor for the Determination of Biogenic Amines in wine and beer
Massimo Di Fusco, Rodolfo Federico, Alberto Boffi, Alberto Macone, Gabriele Favero and Franco Mazzei
Analytical and Bioanalytical Chemistry, (IN PRESS) (I.F. 3.480)

29) Influence of the immobilization procedures on the electroanalytical performances of Trametes versicolor laccase based bioelectrode
Cristina Tortolini, Sara Rea, Eleonora Carota, Salvatore Cannistraro and Franco Mazzei
Microchemical Journal, (IN PRESS) (I.F. 2.48)

30) Interaction of ERp57 with calreticulin: analysis of complex formation and effects of vancomycin
Frasconi Marco, Chichiarelli Silvia, Gaucci Elisa, Mazzei Franco, Grillo Caterina, Chinazzi Alessandro and Altieri Fabio
Biophysical Chemistry, (IN PRESS) (I.F. 2.108)

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