

PERSONAL INFORMATION

Marta Feroci



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 Researcher ID: E-3996-2012

Sex Female | Date of birth 02/03/1966 | Nationality Italian

WORK EXPERIENCE

30/12/2010 - present

Associate Professor

Sapienza University of Rome (Italy)
 Dept. Scienze di Base e Applicate per l'Ingegneria
 Chemistry for Engineering (SSD CHIM/07)

1992 - 2010

Assistant Professor

Sapienza University of Rome (Italy)
 Dept. Ingegneria Chimica, dei materiali, Materie Prime e Metallurgia
 Chemistry for Engineering (SSD CHIM/07)

2016

National Scientific Abilitation for full professor position

SC 03/B2, SSD CHIM07, Chemistry for Engineering

2012

National Scientific Abilitation for full professor position

SC 03/B2, SSD CHIM07, Chemistry for Engineering

EDUCATION AND TRAINING

01/11/1990 - 19/07/1994

Ph.D. in Organic Chemistry

Sapienza University of Rome (Italy)
 Thesis: Reactivity of electrogenerated bases towards organic substrates: Favorskii rearrangement, oxidative cleavage of carbocycle and ring enlargement in the Reimer-Tiemann reaction.
 Supervisor: Prof. Rosario Nicoletti

01/11/1985 - 20/07/1990

Master Degree (m. Sc.) in Chemistry

summa cum laude

Sapienza University of Rome (Italy)
 Thesis: Electrogenerated superoxide anion reactivity towards organic molecules.
 Supervisor: Prof. Errico Zeuli

ADDITIONAL INFORMATION

Publications	H-index 25, 1830 citations, 110 papers (Scopus, 15/12/2020) 2 International Patents in Collaboration with Covestro DE
Invited Papers	Invited papers in special issues on Electroorganic Chemistry, as recognized expert in the field: <i>Front. Chem.</i> 2018 , 6, 355. <i>Beilstein J. Org. Chem.</i> , 2018 , 14, 891 <i>ChemElectroChem</i> 2019 , 6, 4275. <i>Synlett</i> 2019 , 30, 1215. <i>Acc. Chem. Res.</i> 2019 , 52, 3297.
Conferences	15/12/2020: 103 Participations in International and National Meetings: 3 Invited Speaker 39 Oral Communications 61 Poster Communications
Invited Presentations	"Natural Methylxanthines: Multifacet Starting Materials in Electroorganic Synthesis". 71th Annual Meeting of the International Society of Electrochemistry. 1-4 Settembre 2020 , Belgrado Online, Virtual Meeting, Invited Lecture. "Imidazolium ionic liquids: a resource for electroorganic chemistry" Beilstein Symposium 2019 "Electrifying organic synthesis". Mainz (Germany) 9-11 April 2019 . Invited Lecture. "Azolium ionic liquids in electro-organic chemistry" Solvay Workshop on: Ionic Liquids: from fundamentals to applications. Brussels, 20-23 Febbraio 2017 . Invited Lecture.
Referee	Referee for more than 30 international journals in the field of Organic Chemistry and Electrochemistry
Research Projects	Investigator in 5 PRIN (former COFIN) Projects (1998 - 2006) PI in Research Projects granted by Sapienza University (2001 - present) PI in a Research Project granted by Covestro DE (former Bayer Material Science): <i>Non-phosgene electrosynthesis of isocyanate precursors using CO₂</i> . 2013-2020
Honours and awards	1987: recipient of an award from EniChem 1988: recipient of an award from EniMont
Ph.D. Committee Member	2016 - 2018 : Ph.D. Course in "Scienze e tecnologie per i Sistemi Complessi" 2019 - present : Ph.D. Course in "Engineering and applied Science for Energy and Industry"
Teaching Activity 1996 - present	Teacher in courses of Chemistry for Engineering (2 courses/year, 15 CFU/year, 300-400 students/year).
1992 - 1996	Teaching Assistant in courses of Chemistry for Engineering.
Supervisor	Supervisor of Bachelor, Master, Ph.D. students and postDoc researchers.
Memberships	Member treasurer of AICIng, Italian Association of Chemistry for Engineering Member of the Electrochemical Society Member of the Società Chimica Italiana (Electrochemistry Division)
Editorial Activity	Member of the Editorial Board of "International Journal of Organic Chemistry" Member of the Editorial Board of "Sustainability", Sustainable Chemistry Section

ANNEXES

International Patents

Inventori: F. Richter, H. Heckroth, V. Trieu, M. Feroci, G. Forte, A. Inesi, I. Chiarotto
 "Electrochemical synthesis of dicarbamates"
 Richiedente: Covestro AG (De)
 Publication number: WO2016083475
 Publication date: 02/06/**2016**.

Inventori: I. Chiarotto, M. Feroci, G. Forte, A. Inesi, F. Richter, V. Trieu
 "Sustainable Synthesis of carbamate compounds"
 Richiedente: Covestro AG (De)
 Publication number: WO2017/137343 A1
 Publication date: 17/08/**2017**.

2019-2020 Papers

V. Scarano, M. Bortolami, F. Pandolfi, R. Petrucci, D. Rocco, G. Zollo, M. Feroci
 "Reaction of Electrogenated Cyanomethyl Anion with Cyclohexylisocyanate: Synthesis of N-(cyclohexylcarbamoyl) acetamide. An Unexpected Product"
J. Electrochem. Soc., **2020**, 167, 155514.

M. Bortolami, F. Pandolfi, D. De Vita, C. Carafa, A. Messori, R. Di Santo, M. Feroci, R. Costi, I. Chiarotto, D. Bagetta, S. Alcaro, M. Colone, A. Stringaro, L. Scipione
 "New deferiprone derivatives as multi-functional cholinesterase inhibitors: design, synthesis and in vitro evaluation"
Eur. J. Med. Chem. **2020**, 198, 112350.

F. D'Anna, M. L. Grilli, R. Petrucci, M. Feroci
 "WO₃ and ionic liquids : a synergic pair for pollutant gas sensing and desulfurization"
Metals **2020**, 10, 475

M. Feroci, M. Bortolami, I. Chiarotto, P. Di Matteo, L. Mattiello, F. Pandolfi, D. Rocco, R. Petrucci
 "An insight on the reactivity of the electrogenerated radical cation of caffeine"
Electrochem **2020**, 1, 44-55.

F. Billeci, F. D'Anna, M. Feroci, P. Cancemi, S. Feo, A. Forlino, F. Tonnelli, K. Seddon, H. Q. N. Gunaratne, N. Plechkova
 "When functionalisation comes in useful: ionic liquids with a "sweet" appended moiety demonstrate drastically reduced toxicological effects"
ACS Sustainable Chemistry & Engineering **2020**, 8(2), 926-938.

R. Petrucci, I. Chiarotto, L. Mattiello, D. Passeri, M. Rossi, G. Zollo, M. Feroci
 "Graphene oxide: a smart (starting) material for natural methylxanthines adsorption and detection."
Molecules **2019**, 24, 4247

F. Pandolfi, I. Chiarotto, L. Mattiello, R. Petrucci, M. Feroci
 "Two Different Selective Ways in the Deprotonation of β -Bromopropionanilides: β -Lactams or Acrylanilides Formation"
ChemistrySelect, **2019**, 4, 12871-12874.

I. Chiarotto, L. Mattiello, M. Feroci
 "The electrogenerated cyanomethyl anion: an old base still smart"
Acc. Chem. Res. **2019**, 52, 3297-3308.

I. Chiarotto, L. Mattiello, F. Pandolfi, D. Rocco, M. Feroci, R. Petrucci
 "Electrochemical oxidation of theophylline in organic solvents: HPLC-PDA-ESI-MS/MS analysis of the oxidation products"
ChemElectroChem **2019**, 6, 4511-4521.

M. Feroci, F. Pandolfi, R. Petrucci, D. Rocco, D. Zane, L. Mattiello
 "Electrochemical studies of new donor-acceptor oligothiophenes"
ChemElectroChem **2019**, 6, 4016-4021.

F. Pandolfi, I. Chiarotto, L. Mattiello, D. Rocco, M. Feroci
 "Cathodic reduction of caffeine: amino-functionalized imidazole from a bio-based reagent"
Synlett **2019**, 30(10), 1215-1218.

D. Rocco, I. Chiarotto, F. D'Anna, L. Mattiello, F. Pandolfi, C. Rizzo, M. Feroci
 "Cathodic behaviour of dicationic imidazolium bromides: the role of the spacer"
ChemElectroChem **2019**, 6, 4275-4283.

