



PERSONAL INFORMATION

Name **TADDEI MAURIZIO**
 Address 58, VIA DI UOPINI, 50035 MONTERIGGIONI, SIENA, ITALY
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 Nationality Italian
 Date of birth 02/11/1955
 C.F. TDDMRZ55S02D612Y

WORK EXPERIENCE

- Dates (from – to) Since November 2001
- Name and address of employer Università di Siena, Banchi di Sotto 55, 53100 Siena
 - Type of business or sector Public University
 - Occupation or position held Full professor of Organic Chemistry at the Department of Biotechnology, Chemistry and Pharmacy
 - Main activities and responsibilities Research and teaching
- Dates (from – to) From November 1994 to October 2001
- Name and address of employer Università di Sassari, Piazza Università, 07100 Sassari
 - Type of business or sector Public University
 - Occupation or position held Full professor of Organic Chemistry at the Faculty of Science
 - Main activities and responsibilities Research and teaching
- Dates (from – to) From November 1992 to October 1994
- Name and address of employer Università di Firenze, Piazza San Marco 10 Firenze
 - Type of business or sector Public University
 - Occupation or position held Associate professor of Organic Chemistry at the Faculty of Agronomy
 - Main activities and responsibilities Research and teaching
- Dates (from – to) From May 1983 to October 1992
- Name and address of employer Università di Firenze, Piazza San Marco 10 Firenze
 - Type of business or sector Public University
 - Occupation or position held Researcher at the Department of Organic Chemistry "Ugo Schiff"
 - Main activities and responsibilities Research
- Dates (from – to) From September 1984 to June 1986
- Name and address of employer University of Cambridge, Trinity Lane, Cambridge Cb2 1TN, UK
 - Type of business or sector Public University
 - Occupation or position held Post-doctoral researcher
 - Main activities and responsibilities Research

EDUCATION AND TRAINING

- Dates (from – to) 1974 to 1979 Chemistry
- Name and type of organisation providing education and training Università di Firenze
- Principal subjects/occupational skills covered *Organic Chemistry, Organic Synthesis, Medicinal Chemistry*
- Title of qualification awarded Laurea in Chemistry 110/110 cum laude

**PERSONAL SKILLS
AND COMPETENCES**

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE	ITALIAN	OTHER LANGUAGES
	<p>ENGLISH</p> <ul style="list-style-type: none"> • Reading skills C2 PROFICIENT USER • Writing skills C2 PROFICIENT USER • Verbal skills C2 PROFICIENT USER <p>FRENCH</p> <ul style="list-style-type: none"> • Reading skills B1 INDEPENDENT USER • Writing skills A1 BASIC USER • Verbal skills A2 BASIC USER 	
<p>SOCIAL SKILLS AND COMPETENCES</p> <p><i>Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential etc.</i></p>	<p>SINCE 1983 WORKED IN TEAMS FORMED BY DIFFERENT PEOPLE FROM DIFFERENT ORIGINS. COLLABORATIONS WITH RESEARCH GROUPS ALL AROUND THE WORLD: UK- CAMBRIDGE UNIVERSITY, (PROF. IAN FLEMING). USA- HARVARD UNIVERSITY, CAMBRIDGE, MA, (PROF. STUART SCHRAIBER)., FRANCE—STRASBOURG UNIVERSITY, (PROF. ANDRÉ MANN). JAPAN-HIROSHIMA UNIVERSITY, (PROF. KEN TAKAKI), AUSTRIA-GRATZ UNIVERSITY, (PROF. OLIVER KAPPE).</p>	
<p>ORGANISATIONAL SKILLS AND COMPETENCES</p> <p><i>Coordination and administration of people, projects and budgets at work</i></p>	<p>SINCE 1983 COORDINATOR OF RESEARCH GROUPS WORKING IN THE FIELD OF ORGANIC AND BIOORGANIC CHEMISTRY.</p> <p>SINCE 1996 LEADER AND COORDINATOR OF RESEARCH GROUPS FOR ORGANIC SYNTHESIS, BIOMEDICAL AND PHARMACEUTICAL DISCOVERY FOUNDED BY LOCAL INSTITUTIONS (UNIVERSITIES OF FLORENCE, SASSARI AND SIENA, REGIONE SARDEGNA, REGIONE TOSCANA, AISM-IT, IIT) NATIONAL INSTITUTIONS (CNR, MURST, MIUR ETC.) AND PRIVATE COMPANIES IN ITALY (SIENABIOTECH, MENARINI FARMACEUTICI, GSK, CHEMESSSENTIA, SIGMA-TAU FARMACEUTICI, DIPHARMA-FRANCIS, INDENA) AND ABROAD (PRESTWICK CHEMICALS, FRANCE, SIGMA-TAU SWISS, CH, SYNGENTA, CH) FROM 2009 TO 2011, PRO-RECTOR FOR RESEARCH AFFAIRS AT THE UNIVERSITY OF SIENA. FROM 2012 TO 2015, DIRECTOR OF THE DEPARTMENT OF BIOTECHNOLOGY, CHEMISTRY AND PHARMACY OF THE UNIVERSITY OF SIENA.</p>	
<p>TECHNICAL SKILLS AND COMPETENCES</p> <p><i>With computers, specific kinds of equipment, machinery, etc.</i></p>	<p>ORGANIC SYNTHESIS OF BIOLOGICALLY ACTIVE COMPOUNDS AND NATURAL PRODUCTS CREATION OF NEW MOLECULES AND DEVELOPMENT OF SYNTHESIS FOR COMPLEX BIOLOGICALLY ACTIVE COMPOUNDS ESPECIALLY IN THE FIELD OF ANTITUMOR COMPOUNDS. DEVELOPMENT OF PROCEDURES FOR NATURAL PRODUCT AND API (ACTIVE PHARMACEUTICAL INGREDIENTS) PRODUCTION. STRUCTURAL DETERMINATION OF ORGANIC COMPOUNDS USING MASS SPECTROMETRY, NMR SPECTROSCOPY, CHROMATOGRAPHY ETC.). DEVELOPMENT OF PROCESSES FOR LARGE SCALE PRODUCTION OF CHEMICALS. GREEN CHEMISTRY. DEVELOPMENT OF CHEMICALS FOR ENERGY PRODUCTION. HE IS AUTHOR OR CO-AUTHORS OF MORE THAN 220 SCIENTIFIC PUBLICATIONS IN INTERNATIONAL RESEARCH JOURNALS AND BOOK SERIES, 29 PATENTS, ALWAYS IN THE FIELD OF ORGANIC AND NATURAL PRODUCT CHEMISTRY (SOURCE SCI-FINDER, AMERICAN CHEMICAL SOCIETY)..</p>	

NUMBER OF QUOTATION
ACHIEVED IN THE LAST FIVE YEARS
(SINCE 2013) ACCORDING TO WHAT
REPORTED BY GOOGLE SCHOLAR
ADDITIONAL INFORMATION

1989

HI FACTOR (CALCULATED BY GOOGLE SCHOLAR 1985-2019 OVER 270 PAPERS)= **44**.

NUMBER OF FULL CITATIONS IN THE RANGE 1985-2019 = **6253**

I-10 INDEX **1171**

NUMBER OF PUBLICATIONS FROM 1980 ON SCIENTIFIC JOURNAL CITED BY ISI = **221**

SCIENTIFIC PUBLICATIONS
JOURNALS, LAST FIVE YEARS

- G. Arena, G. Barreca, L. Carcone, E. Cini, G. Marras, H. G. Nedden, M. Rasparini, S. Roseblade, A. Russo, M. Taddei, A. Zanotti-Gerosa "Rh catalyzed enantioselective hydrogenation of (*E*)-enol acetate acids." *Adv. Synth. Catal.* **2013**, 355, 1449-1454. IF 5.535
- P. Linciano, M. Pizzetti, A. Porcheddu, M. Taddei "Use of primary amines for the selective N-alkylation of anylines by a reusable heterogeneous catalyst" *Synlett* **2013**, 2249-2254. IF 2.655
- M. Taddei, M. G. Mura, S. Rajamäki, L. De Luca, A. Porcheddu "Palladium-Catalysed Dehydrogenative Generation of Imines from Amines. A Nature-Inspired Route to Indoles via Cross-Couplings of Amines with Arylhydrazines" *Adv. Synth. Catal.* **2013**, 355, 3002-3013 IF 5.535
- A. Dessì, M. Calamante, A. Mordini, L. Zani, M. Taddei, G. Reginato "Microwave-activated synthesis of thiazolo[5,4-d]-thiazoles by a condensation/oxidation sequence" *RSC Adv.*, **2014**, 4, 1322. IF 3.840
- M. Taddei, E. Cini, L. Giannotti, G. Giannini, G. Battistuzzi, D. Vignola, L. Vesci, W. Cabri "Lactam based 7-amino suberoylamide hydroxamic acids as potent HDAC inhibitors" *Bioorg. Med. Chem. Lett.* **2014**, 24, 61-64 IF 2.42
- B. Cecconi, A. Mordini, G. Reginato, L. Zani, M. Taddei, F. Fabrizi de Biani, F. De Angelis, G. Marotta, P. Salvatori, M. Calamante "Pyridine *N*-oxide 2-carboxylic acid: a new acceptor group for DSSC organic sensitizers with enhanced anchoring stability" *Asian J. Org. Chem* **2014**, 3, 140-152. IF 3.318
- M. Taddei, S. Ferrini, L. Giannotti, M. Corsi, F. Manetti, G. Giannini, L. Vesci, F. M. Milazzo, D. Alloatti, M. B. Guglielmi, M. Castorina, M. L. Cervoni, M. Barbarino, R. Fodera, V. Carollo, C. Pisano, S. Armaroli, W. Cabri "Synthesis and Evaluation of New Hsp90 Inhibitors Based on a 1,4,5-Trisubstituted 1,2,3-Triazole Scaffold" *J. Med. Chem.* **2014**, 57, 2258-2274 IF 5.447
- M. G. Mura, L. De Luca, M. Taddei, J. M. J. Williams, A. Porcheddu "Synthesis of α,β -Unsaturated Aldehydes Based on a One-Pot Phase-Switch Dehydrogenative Cross-Coupling of Primary Alcohols" *Org. Lett.* **2014**, 16, 2586-2589. IF 6.364
- D. Franchi, M. Calamante, G. Reginato, L. Zani, M. Peruzzini, M. Taddei, F. Fabrizi de Biani, R. Basosi, A. Sinicropi, D. Colonna, A. Di Carlo, A. Mordini "A comparison of carboxypyridine isomers as sensitizers for dye-sensitized solar cells: assessment of device efficiency and stability" *Tetrahedron* **2014**, 70, 6285-6295. IF 2.641
- J. Ferent; L. Cocharde, H. Faure, M. Taddei, H. Hahn, M. Ruat, E. Traiffort "Genetic Activation of Hedgehog Signaling Unbalances the Rate of Neural Stem Cell Renewal by Increasing Symmetric Divisions" *Stem Cell Reports* **2014**, 3, 312-323. IF 5.365
- G. Giannini, L. Vesci, G. Battistuzzi, D. Vignola, F. M. Milazzo, M. Berardino Guglielmi, M. Barbarino, M. Santaniello, N. Fantò, M. Mor, . Rivara, D. Pala, M. Taddei, C. Pisano, W. Cabri v"ST7612AA1, a Thioacetate- ω (γ -lactam carboxamide) Derivative Selected from a Novel Generation of Oral HDAC Inhibitors " *J. Med. Chem.* **2014**, 57, 8358-8377. IF 5.447
- A. Dessì, M. Calamante, A. Mordini, M. Peruzzini, A. Sinicropi, R. Basosi, F.

- Fabrizi de Biani, M. Taddei, D. Colonna, A. Di Carlo, G. Reginato, L. Zani "Organic dyes with intense light absorption especially suitable for application in thin-layer dye-sensitized solar cells" *Chem. Commun.*, **2014**, 50, 13952-13955. IF 6.834
- V. R. Jumde, E. Cini, A. Porcheddu, M. Taddei "A Metal-Catalyzed Tandem 1,4-Benzodiazepine Synthesis Based on Two Hydrogen-Transfer Reactions" *Eur. J. Org. Chem.* **2015**, 1068–1074. IF 3.068
- V. R. Jumde, L. Gonsalvi, A. Guerriero, M. Peruzzini, M. Taddei "A Ruthenium-Based Catalytic System for a Mild Borrowing-Hydrogen Process" *Eur. J. Org. Chem.* **2015**, 1829–1833 IF 3.068
- S. Ferrini, J. Z Chandanshive, S. Lena, M. Comes Franchini, G. Giannini, A. Tafi, M. Taddei "Ruthenium-Catalyzed Synthesis of 5-Amino-1,2,3-triazole-4-carboxylates for Triazole-Based Scaffolds: Beyond the Dimroth Rearrangement" *J. Org. Chem.* **2015**, 80, 2562-2572. IF 4.785
- G. Arena, E. Cini, E. Petricci, R. Randino, M. Taddei "A highly stereo-controlled protocol to prepare pipercolic acids based on Heck and cyclohydrocarbonylation reactions" *Org. Chem. Frontiers* **2015**, 2, 526-530 IF 4.693
- A. Dessì, M. Calamante, A. Mordini, M. Peruzzini, A. Sinicropi, R. Basosi, F. Fabrizio de Biani, M. Taddei, D. Colonna, A. di Carlo, G. Reginato, L. Zani "Thiazolo[5,4-d]thiazole-based organic sensitizers with strong visible light absorption for transparent, efficient and stable dye-sensitized solar cells" *RSC Advances*, **2015**, 5, 32657-32668. IF 3.289
- L. Hoch, H. Faure, H. Roudaut, A. Schoenfelder, A. Mann, N. Girard, L. Bihannic, O. Ayrault, E. Petricci, M. Taddei, D. Rognan, M. Ruat "MRT-92 inhibits Hedgehog signaling by blocking overlapping binding sites in the transmembrane domain of the Smoothed receptor" *FASEB J.* **2015**, 29, 1818-1829 IF 5.299
- V. R. Junde, E. Petricci, C. Petrucci, N. Santillo, M. Taddei, L. Vaccaro "Domino Hydrogenation–Reductive Amination of Phenols, a Simple Process To Access Substituted Cyclohexylamines" *Org. Lett.* **2015**, 17, 3990–3993. IF 6.732
- E. Cini, L. Banfi, G. Barreca, L. Carcone, L. Malpezzi, F. Manetti, G. Marras, M. Rasparini, R. Riva, S. Roseblade, A. Russo, M. Taddei, R. Vitale, A. Zanotti-Gerosa "Convergent Synthesis of Renin Inhibitor Aliskiren Based on C5-C6 Disconnection And CO₂H - NH₂ Equivalence" *Org. Proc. Res. Develop.* **2016**, 20, 270-283. IF 3.584
- A. Chiarenza, F. Manetti, E. Petricci, M. Ruat, A. Naldini, M. Taddei, F. Carraro "Acylguanidine Derivatives Targeting Smoothed Induce Antiproliferative and Pro-Apoptotic Effects in Chronic Myeloid Leukemia Cells." *PLoS ONE* **2016**, 1, e0149919. doi:10.1371/journal.pone.0149919 IF 2.806
- S. Ferrini, E. Cini, E. Petricci, M. Taddei "Microwave Assisted Hydrogenation of Pyridinecarboxylates: a Convenient Access to Valuable Scaffolds for Diversity Oriented Synthesis" *Cur. Microw. Chem.* **2016**, 3, 131-138.
- A. Fleury¹, L. Hoch, M. C. Martinez, H. Faure, M. Taddei, E. Petricci, F. Manetti, N. Girard, A. Mann, C. Jacques, J. Larghero, M. Ruat, R. Andriantsitohaina, S. Le Lay "Hedgehog associated to microparticles inhibits adipocyte differentiation via a non-canonical pathway" *Scientific Rep.* **2016**, 6, 23479 DOI: 10.1038/srep23479 IF 4,259
- E. Cini., E. Petricci, G. I. Truglio, M. Vecchio, M. Taddei "Ruthenium-catalysed C-alkylation of 1,3-dicarbonyl compounds with primary alcohols and synthesis of 3-keto-quinolines" *RSC Adv.* **2016**, 6, 31386-31390. IF 3.108
- F. Manetti, E. Petricci, A. Gabrielli, A. Mann, H. Faure, T. Gorojankina, L. Brasseur, L. Hoch, M. Ruat, M. Taddei "Design, synthesis and biological characterization of a new class of osteogenic (1H)-quinolone derivatives" *Eur. J. Med. Chem.* **2016**, 121, 747-757. IF 4.519
- R. Randino, I. Moronese, E. Cini, V. Bizzarro, M. Persico, M. Grimaldi, M.

- Scrima, A. M. D'Ursia, E. Novellino, E. Sobarzo-Sánchez, L. Rastrelli, C. Fattorusso, A. Petrella, M. Rodriguez, M. Taddei "Benzodiazepine Scaffold as Drug-like Molecular Simplification of FR235222: A Chemical Tool for Exploring HDAC Inhibition" *Cur. Top. Med. Chem.*, **2017**, *17*, 441-459. IF = 3.374
- E. Cini, E. Petricci, M. Taddei "Pd/C Catalysis under Microwave Dielectric Heating" *Catalysts* **2017**, *7*, 89
- S. Pietrobono, R. Santini, S. Gagliardi, F. Dapporto, D. Colecchia, M. Chiariello, C. Leone, M. Valoti, F. Manetti, E. Petricci, M. Taddei, B. Stecca Targeted inhibition of Hedgehog-GLI signaling by novel acylguanidine derivatives inhibits melanoma cell growth by inducing replication stress and mitotic catastrophe *Cell Death and Disease* **2018**, *9*, 142. DOI 10.1038/s41419-017-0142-0 IF= 3.475
- F. Valentini, N. Santillo, C. Petrucci, D. Lanari, E. Petricci, M. Taddei, L. Vaccaro, Continuous-Flow Palladium-Catalyzed Synthesis of Cyclohexanones from Phenols using Sodium Formate as a Safe Hydrogen Source, *ChemCatChem* **2018**, *10*, 1277-1281 IF= 4.674
- G. Bernardini, M. Geminiani, S. Gambassi, M. Orlandini, E. Petricci, B. Marzocchi, M. Laschi, M. Taddei, F. Manetti, A. Santucci Novel smoothened antagonists as anti-neoplastic agents for the treatment of osteosarcoma. *J Cell Physiol.* **2018**, *233*, 4961-4971. IF= 3.923
- E. Cini, G. Barreca, L. Carcone, F. Manetti, M. Rasparini, M. Taddei, Stereoselective Synthesis of Sofosbuvir through Nucleoside Phosphorylation Controlled by Kinetic Resolution *Eur. J. Org. Chem.* **2018**, 2622-2628. IF= 2.882
- E. Petricci, N. Santillo, D. Castagnolo, E. Cini, M. Taddei, Iron-Catalyzed Reductive Amination of Aldehydes in Isopropyl Alcohol/Water Media as Hydrogen Sources *Adv. Synth. Catal.* **2018**, *360*, 2560-2565. IF= 5.451
- E. Cini, V. Faltoni, E. Petricci, M. Taddei, L. Salvini, G. Giannini, L. Vesci, F. M. Milazzo, A. M. Anastasi, G. Battistuzzi, R. De Santis Antibody drug conjugates (ADCs) charged with HDAC inhibitor for targeted epigenetic modulation *Chem. Sci.* **2018**, *9*, 6490-6496. IF 9.556
- Dessì, A.; Sinicropi, A.; Mohammadpourasl, S.; Basosi, R.; Taddei, M.; Fabrizi de Biani, F.; Calamante, M.; Zani, L.; Mordini, A.; Bracq, P.; Franchi, D.; Reginato, G. New Blue Donor-Acceptor Pechmann Dyes: Synthesis, Spectroscopic, Electrochemical, and Computational Studies *ACS Omega* **2019**, *4*, 7614-7627 IF = 2.584