

PERSONAL INFORMATION **Giacomo Mari**

## WORK EXPERIENCE

From 03/2020 at the moment

**Assistant professor**L-2 Biotechnology sciences - **CHIM/06** Organic Chemistry class

From 07/2019 at the moment

**Researcher**

Organic synthesis

- Development of methods for the synthesis of heterocycles
- Development of methods for the synthesis of berberino derivatives
- Berberino derivatives In vitro experiments

From 03/2017 at the moment

**Assistant professor**L-13 Biological sciences - **CHIM/06** Organic Chemistry class

## EDUCATION AND TRAINING

From 2015 to 2018

**Università degli Studi di Urbino Carlo Bo - Università di Urbino (IT)**

Phd

- Organic synthesis
- Drug discovery

TRAINING

- Naxospharma srl, Novate Milanese (MI) - Italia

From 2010 to 2014

**Alma mater studiorum - Università di Bologna (IT)**

Master degree LM-42

- Specialization in Organic Chemistry

From 10/ 2013 to 2/2014

**IRB Istituto di ricerca biomedica - Barcellona (SP)**

Training and thesis master's degree

- Solid-phase synthesis of peptidomimetics
- In vitro experiments

From 2007 to 2010

**Alma mater studiorum - Università di Bologna (IT)**

degree in chemistry L-21

From 2002 to 2007

**Istituto tecnico industriale statale "E.Mattei" Urbino (IT)**

High school graduate

- chemical expert

## PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	B1	B1	B1	B2
	CLA Università di Urbino				
Spanish	A2	A2	A2	A2	A2
	Estudio hispánico Universidad de Barcelona				

Digital competence

- Microsoft Office™ tools
- Chemdraw
- MassLynx
- Empower Pro
- Top spin
- MestReNova
- Adobe Illustrator
- Adobe Photoshop

Driving licence B

## ADDITIONAL INFORMATION

Conferences and school

TUMA 2022  
 CIRP 2021 Convegno Nazionale sulle reazioni pericicliche e sintesi di etero e carbocicli  
 ESMEC 2019 European school of medicinal chemistry  
 ESMEC 2018 European school of medicinal chemistry  
 ESMEC 2017 European school of medicinal chemistry  
 ISOS 2017 International summer school on organic synthesis  
 ISPROCHEM 2017 International school of process chemistry  
 ESMEC 2016 European school of medicinal chemistry  
 OSSC 2016 Oxford synthesis summer conference  
 MYCS 2016 Merck young chemists symposium  
 ESMEC 2015 European school of medicinal chemistry

## Last Publication

- Tailored Aza - Michael Addition as Key Step in the Synthesis of 1H - imidazo[5,1 - c][1,4]oxazine Scaffolds  
G Mari, L De Crescentini, G Favi, F Mantellini, S Santeusano **2022** European Journal of Organic Chemistry (40), e202201053
- Practical and sustainable preparation of pyrrolo [2, 3-b] indoles by Cu/Fe catalyzed intramolecular C (sp<sup>2</sup>)–H amination  
M Corrieri, L De Crescentini, F Mantellini, G Mari, S Santeusano, G Favi **2022** Green Chemistry 24 (19), 7340-7345
- Easy access to indole-based bi-sulfurylate-heterocyclic scaffolds  
G Mari, L De Crescentini, G Favi, M Michele, S Santeusano, F Mantellini **2022** Asian Journal of Organic Chemistry (11), e202200299
- A facile protocol for the preparation of 2-carboxylated thieno [2, 3-b] indoles: a de novo access to alkaloid thienodolin  
G Mari, L De Crescentini, G Favi, S Santeusano, F Mantellini **2022** Organic & Biomolecular Chemistry 20 (20), 4167-4175
- Synthesis of Azacarboline via PhIO<sub>2</sub>-Promoted Intramolecular Oxidative Cyclization of  $\alpha$ -Indolyldiazones  
M Corrieri, L De Crescentini, F Mantellini, G Mari, S Santeusano, G Favi; **2021** The Journal of organic chemistry 86 (24), 17918-17929
- Experimental and Theoretical DFT Investigations in the [2, 3]-Wittig-Type Rearrangement of Propargyl/Allyl-Oxy-Pyrazolones  
L. De Crescentini, G. Favi, G. Mari, G. Ciancaleoni, M. Costamagna, S. Santeusano, F. Mantellini **2021** Molecules 26 (21), 6557
- FeCl<sub>3</sub> - Catalyzed Formal [3+2] Cyclodimerization of 4 - Carbonyl - 1,2 - diaza - 1,3 - dienes  
G Mari, M Corrieri, L De Crescentini, G Favi, S Santeusano, F Mantellini **2021** European Journal of Organic Chemistry (37), 5202-5208
- Metal and Oxidant Free Construction of Substituted - and/or Polycyclic Indoles: A Useful Alternative to Bischler and Related Syntheses  
G Mari, L De Crescentini, G Favi, S Santeusano, F Mantellini **2020** European Journal of Organic Chemistry **2020** (33), 5411-5424
- Synthesis of Polycyclic Fused Indoline Scaffolds through a Substrate-Guided Reactivity Switch  
C Ciccolini, G Mari, FG Gatti, G Gatti, G Giorgi, F Mantellini, G Favi **2020** The Journal of Organic Chemistry 85 (17), 11409-11425
- Synthesis of new dihydroberberine and tetrahydroberberine analogues and evaluation of their antiproliferative activity on NCI-H1975 cells  
G Mari, L De Crescentini, S Benedetti, F Palma, S Santeusano, F. Mantellini **2020** Beilstein journal of organic chemistry 16 (1), 1606-1616
- Synthesis of new dihydroberberine and tetrahydroberberine analogues and evaluation of their antiproliferative activity on NCI-H1975 cells  
C Ciccolini, L De Crescentini, F Mantellini, G Mari, S Santeusano, G Favi Molecules **2020** 25 (18), 4124
- Sequential MCR via Staudinger/Aza-Wittig versus Cycloaddition Reaction to Access Diversely Functionalized 1-Amino-1H-Imidazole-2(3H)-Thiones  
C. Ciccolini, G. Mari, G. Favi, F. Mantellini, L. De Crescentini, S. Santeusano Molecules **2019**, 24(20), 3785
- A practical and effective method for the N–N bond cleavage of N-amino-heterocycles  
G. Mari, G. Favi, S. Santeusano, F. Mantellini, L. De Crescentini Org. Chem. Front., **2019**, 6, 3408-3414
- Metal and Oxidant-Free Brønsted Acid-Mediated Cascade Reaction to Substituted Benzofurans  
G. Mari, C. Ciccolini, L. De Crescentini, G. Favi, S. Santeusano, M. Mancinelli, F. Mantellini J. Org. Chem. **2019**, 84, 17, 10814–10824
- Targeted Nanoswitchable Inhibitors of Protein–Protein Interactions Involved in Apoptosis  
L Nevola, M Varese, A Martín - Quirós, G Mari, K Eckelt, P Gorostiza, ChemMedChem **2019** 14 (1), 100-106
- 1,2 - Diaza - 1,3 - dienes - based Multi - component Reactions in Sequential Protocols to Synthesize Arylamino 5 - hydrazono thiophene - 3 carboxylates  
Giacomo Mari, Lucia De Crescentini, Gianfranco Favi, Stefania Santeusano and Fabio Mantellini *European Journal of Organic Chemistry*: **2018**, 46, 6548-6556n