

## MARCO BANDINI

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<b>Date of Birth</b>	July 10 <sup>th</sup> 1973	
<b>Professional</b>		
11/2000-12/2011	Assistant Professor @ Alma Mater Studiorum – University of Bologna	
1/2012-03/2019	Associate Professor @ Alma Mater Studiorum – University of Bologna	
04/2019 -	Full Professor Organic Chemistry @ Alma Mater Studiorum – University of Bologna	
10/2022 -	Director of the Center for Chemical Catalysis "C3", Bologna, Italy <a href="#">link</a> .	
<b>Education</b>		
10/1992-9/1997	<b>UNIBO, Italy</b>	M.Chem. ( <i>cum laude</i> ), Final-year project: "Synthesis of new bis-oxazoline ligands and their use in asymmetric C-C bond forming reactions" Advisor: <b>Prof. Achille Umani-Ronchi</b> .
10/1997-12/1997		Recordati spa (Milan).
1998-2000	<b>UNIBO, Italy</b>	PhD in Chemistry, "Asymmetric reactions promoted by chiral catalysts" Advisors: <b>Prof. Pier Giorgio Cozzi</b> and <b>Prof. Achille Umani-Ronchi</b> .
6/1998-9/1998	<b>University of North Carolina @ Chapel Hill</b>	Visiting researcher: "Synthesis of chiral ferrocenyl ligands for asymmetric synthesis" Advisor: <b>Prof. Michael R. Gagné</b> .
6/2004-10/2004	<b>Center of Clean Technology, University of York</b>	Visiting researcher: "New heterogeneous Pd-catalysts for sustainable cross-coupling reactions" Advisors: <b>Prof. James Clark/Dr. Duncan Macquarrie</b> .
<b>Publication summary</b>	148 articles – 109 independents (14 AngewChem, 2 JACS, 1 ChemSci, 15 ChemCommun), 14 book chapters, 2 patents.	
<b>Brief track record</b> (Scopus)	H-index = 53, Citations: 9800.	
<b>Research summary</b>	1) Development on synthetic methodologies based on catalytic strategies: metal (Ni and Au), photo (C-H activation), electrosynthesis (HAT, carboxylation) & carbocatalysis (graphene oxides). Valorization of CO <sub>2</sub> into complex molecular scaffolds.	
<b>Five selected publications</b>	<ol style="list-style-type: none"> <li>"Au(I)-assisted alpha Allylation of Enals and Enones with Alcohols", M. M. Mastandrea, N. Mellonei, P. Giacinto, A. Collado, S. P. Nolan, G. P. Miscione, A. Bottoni, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2015</b>, <i>54</i>, 14885-14889;</li> <li>"Metal-free enantioselective electrophilic activation of allenamides: stereoselective de-aromatization of indoles", C. Romano, M. Jia, M. Monari, E. Manoni, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2014</b>, <i>53</i>, 13854-13857;</li> <li>"Merging Synthesis and Enantioselective Functionalization of Indoles via Gold-catalyzed Asymmetric Cascade Reaction", M. Chiarucci, R. Mocci, L.-D. Syntrivanis, G. Cera, A. Mazzanti, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2013</b>, <i>52</i>, 10850-10853;</li> <li>"The New Dimension of Graphene-oxide as a Mediator in Organic Synthesis: a mechanistic focus", L. Lombardi, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2020</b>, <i>59</i>, 20767-20780.</li> <li>L. Lombardi, A. Cerveri, R. Giovanelli, M. Castiñeira Reis, C. Silva López, G. Bertuzzi, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2022</b>, e202211732</li> </ol>	
<b>Awards and Major Funding</b>	<ul style="list-style-type: none"> <li><b>1998</b> Recordati spa (Milan) Fellow.</li> <li><b>2002</b> Co.GiCO. Junior Award, Italian Chemical Society.</li> <li><b>2004</b> Marco Polo Fellow, University of Bologna, Italy.</li> <li><b>2005</b> "G. Ciamician" Medal, Italian Chemical Society.</li> <li><b>2005</b> JSP Fellowship of the "40<sup>th</sup> EUCHEM Conference of Stereochemistry ("Bürgenstock-Conference").</li> <li><b>2009, 2012 and 2014</b> <i>Visiting Fellow</i>, National Science Foundation of China.</li> <li><b>2016</b> <i>Visiting Fellow</i>, University of Normandy (France)</li> <li><b>2019</b> JSPS fellowship for Research in Japan</li> <li><b>2022</b> International Organic Chemistry Foundation (IOCF) Lecture award</li> </ul>	
<b>Invited talks</b>	More that 80 Invited lectures @ universities, industries and conferences	
<b>Mentorship (2008 on)</b>	Supervised/supervising 1 Tenured-track assistant professor, 45 Master (Erasmus) students 15 PhD students and 5 postdoctoral researchers	