



DIPARTIMENTO DI CHIMICA «GIACOMO CIAMICIAN»

Curriculum Vitae -Marco Bandini

Prof. Marco Bandini
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PERSONAL DATE

Born: 10-07-1973; Faenza (RA); Nationality: Italian; Marital Status: Married with one daughter and one son.

SCIENTIFIC education:

- 1997: B.Sc. in Chemistry (*cum laude*), Department of Chemistry “G. Ciamician”, Alma Mater Studiorum - University of Bologna, Italy. “Synthesis of new bis-oxazoline ligands and their use in asymmetric C-C bond forming reactions”; Advisor: Prof. Pier Giorgio Cozzi and Prof. Achille Umani-Ronchi.
- 2001: Ph.D. in Chemistry: Department of Chemistry “G. Ciamician”, Alma Mater Studiorum - University of Bologna, Italy. “Asymmetric reactions promoted by chiral catalysts”, Advisor: Prof. Achille Umani-Ronchi.
- 2001-2010: Assistant Professor of Chemistry: Department of Chemistry “G. Ciamician”, Alma Mater Studiorum - University of Bologna, Italy;
- 2019: Full Professors Organic Chemistry @ Alma Mater Studiorum - University of Bologna, Italy.

National and International RESEARCH EXPERIENCES

- 1997/98 Research Fellow: Recordati spa (Milan, Italy), “Synthesis of AZT-derivatives with anticancer activity” (6 months);
- 1998 Visiting Researcher: Department of Chemistry, University of North Carolina at Chapel Hill, North Carolina, USA, (Prof. Michael R. Gagné, 5 months);
- 2004 Visiting Researcher: Department of Chemistry, Center of Clean Technology, University of York, UK, Dr. Duncan Macquarrie/Prof. James Clark (selected for the Marco Polo Fellowship University of Bologna, 5 months);
- 2009 Visiting Scientist: College of Chemistry Central China Normal University, Wuhan (China).
- 2012 Visiting Scientist: College of Chemistry Central China Normal University, Wuhan (China)..
- 2016 Visiting Scientist: University of Normandy (France);
- 2017 Visiting Scientist: College of Chemistry Central China Normal University, Wuhan (China)



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PRIZES, Awards and main Fundings

- 1998 Recordati spa (Milan) Fellow.
- 2002 Co.Gi.C.O. Junior Award, Italian Chemical Society.
- 2004 Marco Polo Fellow, University of Bologna, Italy.
- 2005 “G. Ciamician” Medal, Italian Chemical Society.
- 2005 JSP Fellowship of the “40th EUCHEM Conference of Stereochemistry (“Bürgenstock-Conference”).
- 2009 *Visiting Fellow*, National Science Foundation of China (PRC).
- 2010 National Coordinator Project Future in Research (550.000 €).
- 2012 *Visiting Fellow*, National Science Foundation of China (PRC).
- 2014: *Visiting Fellow*, National Science Foundation of China (PRC).
- 2016 *Visiting Fellow*, University of Normandy (France).
- 2018 *Visiting Fellow*, National Science Foundation of China (PRC).
- 2019 National Coordinator Project PRIN (350.000 €).
- 2019 JSPS fellowship for Research in Japan

CENTER FOR CHEMICAL CATALYSIS (C3)

In 2021, he Co-founded and currently Coordinates of Center for Chemical Catalysis that belongs to UNIBO and counts more that 160 members (<https://centri.unibo.it/c3/en>).

MEMBERSHIPS:

- American Chemical Society (2005 to present);
- Italian Chemical Society (1999 to present);
- Heterocyclic Chemistry (2006-2007);
- Royal Society of Chemistry (2016-2018)

ISTITUTIONAL activities:

- UNIBO delegate for the COIMBRA GROUP (<https://www.coimbra-group.eu/>), STEM group (2021 – 2023);
- UNIBO delegate for the Inter-university consorptium CINMPIS (<http://www.cinmpis.it/home.html>), consiglio scientifico (2020 – 2023);
- Research delegate for the Department of Chemistry “Giacomo Ciamician” (<https://chimica.unibo.it/it/index.html>, 2018 - 2024);
- Member of the national board of the Organic Chemistry Division of the Italian Chemical Society (2022-presente);
- Member of the national board of the Interdivisional group of Organometallic Chemistry of the Italian Chemical Society (2021-presente).
- Delegate of the Quality Ansurance for the Department of Chemistry “Giacomo Ciamician” (<https://chimica.unibo.it/it/index.html>, 2025 - 2027);
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RESEARCH lines:

Marco Bandini is PI of the LASC: Laboratory of Asymmetric Synthesis and Catalysis. <https://site.unibo.it/lasc/en>. MB coordinates the Center for Chemical Catalysis – C3 (2021 – on, <https://centri.unibo.it/c3/en>). The research interests of the team rely on the design and realization of sustainable synthetic methodologies with particular emphasis on Green Chemistry Principles. In particular, 1) homogenous as well as heterogeneous processes; 2) valorization of CO₂ as chemical reagent; 3) employment of modern enabling synthetic methodologies using renewable resources.

Bibliometric PARAMETERS (Journals Citation ReportsSM):

170 Articles, 3 patents, 14 chapters on monographs
h-index: 56; citations: 11565; citazioni medie/articolo: 66.0.

Editorial BOARD:

Associate Editor in Chief: Chinese Journal of Chemistry (Wiley-VCH 2018 - 2025);
Senior Editorial Board: Chinese Journal of Chemistry (Wiley-VCH 2026 - on);

Advisory board:

- Letters in Organic Chemistry (Bentham Science Publishers, 2008 on);
- Organic Chemistry Frontiers (Royal Society of Chemistry, 2015 on);
- SynOpen (Thieme, 2018 on);
- Catalysis (MDPI, 2020 on);
- European Journal of Organic Chemistry (Wiley, 2022 – on);
- Chiral Chemistry (Science Exploration, 2026 – on).

CONFERENCE/symposium organization:

- 2009. Book Guest Editor: *Catalytic Asymmetric Friedel-Crafts Alkylations* (Eds: M. Bandini & A. Umani-Ronchi), Wiley-VCH, Weinheim, 2009 (ISBN: 9783527323807). [[link](#)]
- Review in *Book News Inc.*, February 2011.
- 2012. Chairman of the Workshop on “Push the Envelope” in C-H activation methodologies ... and beyond. Bologna, Italy (90 attendees).
- 2015. Member of the Organizing committee (National Congress of the Italian Chemical Society, Organic Chemistry Division), Bologna (360 attendees).
- 2016. Book Guest Editor: *Gold Catalyzed Synthesis of Heterocyclic*, Topics in Heterocyclic Chemistry, Springer, in press.
- 2016. Chairman of the Sigma-Aldrich Lecture to Prof. Alois Furstner (Bologna) 2016 (120 attendees).
- 2016. Book Guest Editor: Special *EurJOC*-Cluster issue on Honor of Prof. Achille Umani-Ronchi.



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- 2015-2017: Committee member of the *International Summer School on Organic Synthesis "A. Corbella"*.
- 2018. Member of the panel of the Fundação para a Ciência e a Tecnologia – FCT (Portugal).
- 2019. Chairman of the IV-CISOC, China-Italy bilateral Symposium of Organic Chemistry (Bologna) (90 attendees).
- 2019. One-day Symposium "Catalysis in Organic Synthesis: New Perspectives" (Bologna, 250 attendees).
- 2020/2021. Member of the panel of the Fundação para a Ciência e a Tecnologia – FCT (Portugal).
- 2020-2023. Coordinator for UNIBO of Consortium CINMPIS (Board-member).
- 2021-on: Co-director of the Center for Chemical Catalysis - C3, Alma Mater Studiorum - University of Bologna.
- 2021-2025. Delegate for the Alma Mater Studiorum - Università di Bologna, for the European network Coimbra (STEM working package).
- 2023-2024. Board Member of the interdivisional group: "Organometallic Chemistry" of the Italian Chemical Society.
- 2024: Chair of the XII edition of the Asian-European Symposium on Metal Mediated Organic Synthesis (Bologna, Italy);
- 2025-2027. President of the Thematic Group on Organometallic Chemistry – GICO. of the Italian Chemical Society;
- 2027: Chair of the XXIV edition of the European Symposium on Organic Synthesis (Bologna, Italy).

TEACHING

- During the period 2000-2026 Marco Bandini has held teaching courses (practical and theoretical) addressing both basic organic chemistry as well as advanced organic synthesis topic, with an average of 150 hours. The teaching has been delivered at the University of Bologna in several national and international Bachelor and Master courses.
- MB supervised more than 70 BcS and Ms students and 15 PhD students. Currently, he is also supervising a tenured-track Assistant Professor at the Department of Chimica "Giacomo Ciamician";
- Since 2022 is member of the board of the National PhD course in Catalysis.
- Since 2023 is member of the board of the PhD course in Chemistry of the University of Bologna.

Marco Bandini

Bologna, 05/04/2026