

CURRICULUM VITAE ET STUDIORUM: Dott. Stefano BARATTI



Personal data: Born in Suzzara (MN), Italy; date: 17 April 1997

Present Position: PhD Student from **November 2025**

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EDUCATION

- **March 2021** Bachelor's degree in Chemistry and Materials Chemistry (LM-27) at the Università degli Studi di Bologna with a thesis entitled "**Dosaggio della vitamina C nei succhi di frutta: verifica delle etichette nutrizionali e della shelf-life. Valutazione del potere antiossidante e confronto fra metodi** (translation: Vitamin C content in fruit juices: analysis of nutrition labels and shelf-life. Evaluation of antioxidant capacity and comparison between methods)", under the supervision of Prof. Dora Melucci.
- **April 2024** Master's degree in Chemical Sciences (LM-54) (summa cum laude) at the Università degli Studi di Modena e Reggio Emilia with a thesis entitled "**Modulazione del comportamento come magneti a singola molecola di complessi di cobalto(II) con leganti azotati tridentati e anione variabile** (translation: Modulation of single-molecule magnet behavior in cobalt(II) complexes with tridentate nitrogen ligands and variable anions)", under the supervision of Prof. Luca Rigamonti.

PREVIOUS POSITION AND FELLOSHIPS

- **From May 2024 to October 2024:** research fellow position at the Università degli Studi di Bologna, Dipartimento di Chimica Industriale "Toso Montanari" in collaboration with Polynt S.p.A in a project entitled "Production of reduced carbon footprint maleic anhydride derivatives through hydroformilation/oxidation reaction".
- **From November 2024 to October 2025:** research fellow position at the Università degli Studi di Bologna, Dipartimento di Chimica Industriale "Toso Montanari" in collaboration with Polynt S.p.A in a project entitled "Sustainable processes for the valorization of biomass and CO₂".

MEMBERSHIPS AND APPOINTMENTS

- Member of the Società Chimica Italiana (SCI), Inorganic Chemistry Division for the **2024 - 2026** period.
- Member of C3 - Centre for Chemical Catalysis for the **2024 - 2025** period.

ORGANISATION OF SCIENTIFIC MEETINGS AND SCHOOLS

- Member of the Organizing Committee of the XII Workshop GC-CS, Bologna, **3 - 4 July 2025**.

POSTER PRESENTATIONS

- “From double bonds to aldehydes: a green way for CO valorization”; Baratti, Stefano; Santarelli, Nicolò; Gagliardi, Anna; Moroni, Gianluca; Mazzoni, Rita; Cesari, Cristiana; 23th Giornata della Chimica dell’Emilia Romagna 2024 (XXIII GdC-ER 2024), Modena, Italy, **19 December 2024**.
- “From double bonds to aldehydes: a green way for CO valorization”; Baratti, Stefano; Santarelli, Nicolò; Gagliardi, Anna; Moroni, Gianluca; Mazzoni, Rita; Cesari, Cristiana; Ricerca, Trasferimento Tecnologico e Recruiting al Distretto Navile, Bologna, Italy, **28 May 2024**.
- “Improving the selective synthesis of 2,5-bishydroxymethylfuran: scale up and sustainable solutions”; Baratti, Stefano; Piazzzi, Andrea; Lenzi, Chiara; Tabanelli, Tommaso; Albonetti, Stefania; Mazzoni, Rita; 15th International School of Organometallic Chemistry (ISOC2025), Camerino, Italy, **4 - 7 September 2025**.
- “Improving the selective synthesis of 2,5-bishydroxymethylfuran: scale up and sustainable solutions”; Baratti, Stefano; Piazzzi, Andrea; Lenzi, Chiara; Tabanelli, Tommaso; Albonetti, Stefania; Mazzoni, Rita; 50th Conference of the Divisione di Chimica Inorganica (INORG2025), Napoli, Italy, **9 - 12 September 2025**.
- “Improving the selective synthesis of 2,5-bishydroxymethylfuran: scale up and sustainable solutions”; Baratti, Stefano; Piazzzi, Andrea; Lenzi, Chiara; Tabanelli, Tommaso; Albonetti, Stefania; Mazzoni, Rita; Workshop Ecosister (Spoke 1): Materials for sustainability and ecological transition, Bologna, Italy, **29 September 2025**.

LIST OF SCIENTIFIC PUBLICATIONS

1. Mazzoni, Rita; Baratti, Stefano; Rustichelli, Daniel; Stagni, Stefano; Fiorini, Valentina; Zacchini, Stefano; Pinkowicz, Dawid; Forni, Alessandra; Plaisier, Jasper R.; Gigli, Lara; Rigamonti, Luca; **Role of Alkylated 2,6-bis(tetrazol-5-yl)pyridyl Ligands and Iron(II) Salts in Selecting Spin Crossover Complexes**, *Eur. J. Inorg. Chem.*, **2024**, DOI: [10.1002/ejic.202400124](https://doi.org/10.1002/ejic.202400124).

Updated on 14/11/2025