

# Curriculum Vitae

## PERSONAL INFORMATION **Lucia Fagiolari**

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Nationality	Italian
Place and date of birth	Perugia (Italy), 22/03/1990
email	lucia.fagiolari@polito.it

## ACTUAL POSITION

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01/02/2022 – 31/01/2025	<b>Assistant Professor</b> Department of Applied Science and Technology (DISAT) - Politecnico di Torino <i>Research activity:</i> lithium-mediated electrochemical N <sub>2</sub> fixation. Post-lithium batteries, aqueous dye-sensitized solar cells
From 01/09/2019	Tutoring activity and laboratory for chemistry class (Politecnico di Torino)

## FORMER

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01/09/2018 - 31/01/2022	<b>Post Doc</b> Department of Applied Science and Technology (DISAT) - Politecnico di Torino <i>Research activity:</i> materials for energy conversion and storage
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## EDUCATION

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01/11/2014 – 31/10/2017	<b>PhD in Chemical Sciences</b> Università degli Studi di Perugia, Italy <i>Supervisor:</i> Prof. Alceo Macchioni <i>Research activity:</i> Synthesis and characterization of heterogeneous catalysts for water splitting application.
01/10/2016 – 31/03/2017	<b>Exchange PhD period</b> University of Zürich Irchel, Switzerland <i>Supervisor:</i> Prof. Greta Patzke <i>Research activity:</i> electrochemical water splitting. Electrocatalysis. Electrochemical characterization of inorganic compounds.
01/10/2012 - 24/07/2014	<b>Master Degree in Chemical Sciences (LM 54)</b> Università degli Studi di Perugia <i>Final mark:</i> 110/110 <i>cum laude</i> <i>Thesis title:</i> Immobilization of water oxidation catalysts on solid supports <i>Supervisor:</i> Prof. Alceo Macchioni <i>Project:</i> synthesis, characterization and kinetics studies on iridium(III)-based heterogenized water oxidation catalysts.
01/10/2009 - 27/09/2012	<b>Bachelor Degree in Chemistry (L 27)</b> Università degli Studi di Perugia <i>Final mark:</i> 110/110 <i>cum laude</i> <i>Thesis title:</i> Water splitting catalyzed by metal-EDTA complexes <i>Supervisor:</i> Prof. Alceo Macchioni <i>Project:</i> kinetics studies of transition metal-EDTA complexes as water oxidation catalysts.

## PUBLICATIONS

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M. Alidoost, A. Mangini, F. Caldera, A. Anceschi, J. Amici, D. Versaci, **L. Fagiolari**, F. Trotta, C. Francia, F. Bella, S. Bodoardo, *Chem. Eur. J.* 2021, 27, 1-12.

L. Lavagna, G. Syrokostas, **L. Fagiolari**, J. Amici, C. Francia, S. Bodoardo, G. Leftheriotis, F. Bella, *J. Mater. Chem. A* 2021, 9, 19687-19691.

J. C. de Haro, E. Tatsi, **L. Fagiolari**, M. Bonomo, C. Barolo, S. Turri, F. Bella, G. Griffini, *ACS Sustainable Chem. Eng.* 2021, 9, 8550-8560.

**L. Fagiolari**, E. Varaia, N. Mariotti, M. Bonomo, C. Barolo, F. Bella, *Adv. Sustainable Syst.* 2021, 2100025.

F. Zaccaria, **L. Fagiolari**, A. Macchioni, *Inorg. Chim. Acta* 2021, 516, 120161.

F. Bella, S. De Luca, **L. Fagiolari**, D. Versaci, J. Amici, C. Francia, S. Bodoardo, *Nanomaterials* 2021, 11, 810.

G. Meligrana, F. Colò, T. Platini, M. Bartoli, M. Falco, E. Maruccia, **L. Fagiolari**, G. Lingua, F. Bella, P. Jagdale, A. Tagliaferro, C. Gerbaldi, *ICREPO* 2020, 18, 475-476.

N. Mariotti, M. Bonomo, **L. Fagiolari**, N. Barbero, C. Gerbaldi, F. Bella, C. Barolo, *Green Chem.* 2020, 22, 7168-7218.

**L. Fagiolari**, F. Zaccaria, F. Costantino, R. Vivani, C. K. Mavrokefalos, G. R. Patzke, A. Macchioni, *Dalton Trans.* 2020, 49, 2468-2476.

**L. Fagiolari**, M. Bonomo, A. Cognetti, G. Meligrana, C. Gerbaldi, C. Barolo, F. Bella, *ChemSusChem* 2020, 13, 6562-6573.

**L. Fagiolari**, M. Bini, F. Costantino, G. Gatto, A. J. Kropf, F. Marmottini, M. Nocchetti, E. C. Wegener, F. Zaccaria, M. Delferro, R. Vivani, A. Macchioni, *ACS Appl. Mater. Interfaces* 2020, 12, 32736-32745.

**L. Fagiolari**, F. Bella, *Energy Environ. Sci.* 2019, 12, 3437-3472.

I. Corbucci, K. Ellingwood, **L. Fagiolari**, C. Zuccaccia, F. Elisei, P.L. Gentili, A. Macchioni, *Catal. Today* 2017, 290, 10-18.

**L. Fagiolari**, A. Scafuri, F. Costantino, R. Vivani, M. Nocchetti, A. Macchioni, *ChemPlusChem* 2016, 81, 1060-1063.

## BOOK CHAPTER

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F. Bella, **L. Fagiolari**, "New and unconventional trends in dye-sensitized solar cells: materials, devices and attempts towards market entry", Royal Society of Chemistry, *Photochemistry*, 2022, 49, 292-307 (DOI: 10.1039/9781839165269-00292)

**L. Fagiolari**, A. Macchioni, "Layered Double Hydroxides as Water Oxidation Catalysts", World Scientific Publishing Company, *Progress in Layered Double Hydroxides*, 2022, 8 (DOI: 10.1142/12378)

## DISSEMINATION PAPERS

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**L. Fagiolari**, "Produrre e conservare energia solare: a che punto siamo e dove stiamo andando", Rubrica Chimica & Noi de "La chimica e l'industria" |Anno V| n°4| luglio/agosto 2021

Currently, Lucia Fagiolari is Guest Editor of Special Issue "Trends and Prospects in Dye-Sensitized Solar Cells" [https://www.mdpi.com/journal/energies/special\\_issues/trends\\_prospects\\_dye\\_sensitized\\_solar\\_cells#editors](https://www.mdpi.com/journal/energies/special_issues/trends_prospects_dye_sensitized_solar_cells#editors)