



ALICE BERTOLINI

Materials Engineer

PhD Student

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📍 Pisa, Italy

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LANGUAGES

Italian: Native

English: B2

Spanish: A2

DIGITAL SKILLS

Office: Advanced

LateX: Basic

Python: Intermediate

Matlab: Intermediate

PUBLICATIONS

"Chain Extension of Poly(Lactic Acid) (PLA) Based Blends and Composites Containing Bran with Biobased Compounds for Controlling Their Processability and Recyclability"

Polymers, 2021, 13(18), 3050
(<https://doi.org/10.3390/polym13183050>)

EDUCATION

PhD in Management of Digital Transformation

IMT School | Lucca, Italy December 2022 - Present

Main topics: Materials Science, Computational Mechanics, Process Sustainability

PNRR Research Project "**Paper Mill Sludge: New Valorization Opportunities**", in collaboration with Lucart S.p.A

Materials & Nanotechnology | Master's Degree

University of Pisa October 2018 - February 2021

Thesis Work: "Design and reactivity of renewable chain extenders in bran reinforced PLA-based composites"

Chemical Engineering | Bachelor's Degree

University of Pisa September 2014-October 2018

Thesis Work: "The role of the Responsibility Report in the context of Agenda 2030 Programme: focus on LEGO group's alternative eco-friendly materials"

INDUSTRIAL ENGINEER QUALIFICATION - JULY 2021

WORK EXPERIENCE

Process Analyst | Colorobbia Group | Florence

Development of carbon composites

March 2022 - November 2022

R&I Internship | SOLVAY Group | Brussels Campus

Solid-state batteries team

May 2021 - November 2021

ADDITIONAL EXPERIENCE

Students' Representative, Quality Enhancement Committee

IMT School | Lucca, Italy

April 2023 - Present