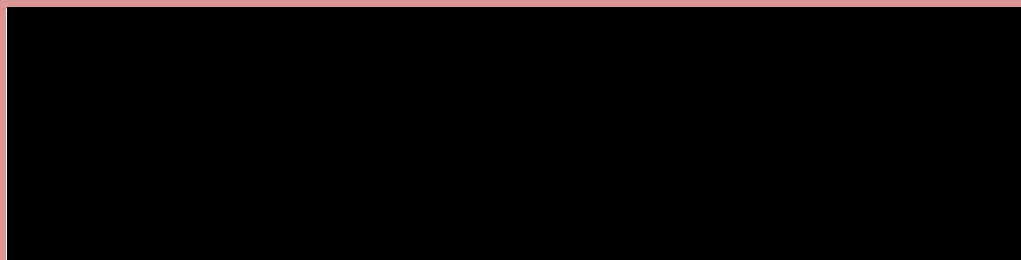




Antonio Maglione



Education and training

Languages:

Italian: Mother Tongue.
English: B2 – good in speaking, understanding and writing.
Spanish: Beginner.

Technical Skills:

Programming languages: C++, Matlab.

Software: Origin, Microsoft Office Package, Canva, MarcMentat.

Personal Skills:

- Teamworking
- Adapting to different environments and countries
- Problem solving
- Leadership

University of Naples Federico II

Master's Degree in Materials Engineering 110/110 cum laude

December 19, 2023

Naples, Italy

Department of Chemical, Materials and Industrial Manufacturing Engineering.
Thesis: "Hyper-crosslinked functionalized cellulose nanofibrils for adsorption of organic pollutants from water".

University of Naples Federico II

Bachelor's Degree in Science and Materials Engineering 110/110 cum laude

September 23, 2021

Naples, Italy

Department of Chemical, Materials and Industrial Manufacturing Engineering.
Thesis: "Schiume a memoria di forma in ambito medico".

Centro Linguistico di Ateneo (CLA)

*Intensive English course.
B2 level.*

From May 17 to July 18, 2023

Naples, Italy

University of Naples Federico II

*Basic training course on workplace safety and health.
4 hours.*

June, 2021

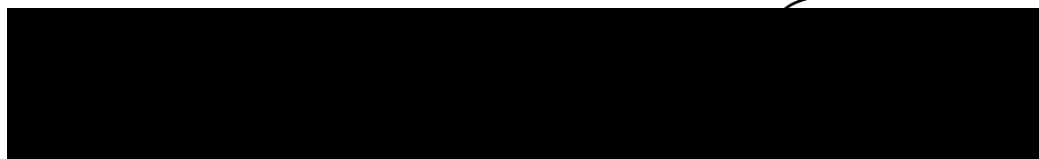
Naples, Italy

University of Naples Federico II

*Mandatory specific training course on workplace safety for workers particularly exposed to risk, pursuant to Article 37 – Paragraph 1, Letter B) of Legislative Decree 81/2008 and point 4 of the State-Regional Agreement of 21/12/2011.
12 hours.*

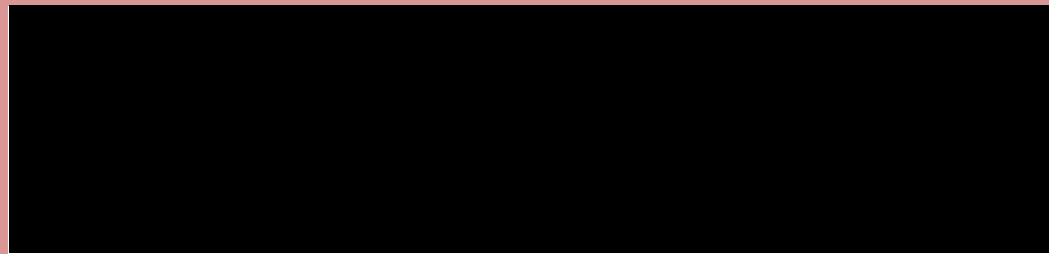
June, 2021

Naples, Italy





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Work Experience

Research fellow at IPCB - CNR

From February 16, 2024
Pozzuoli, Italy

Research assistant.

Trainee at IPCB - CNR

From March 6 to December 18, 2023
Pozzuoli, Italy

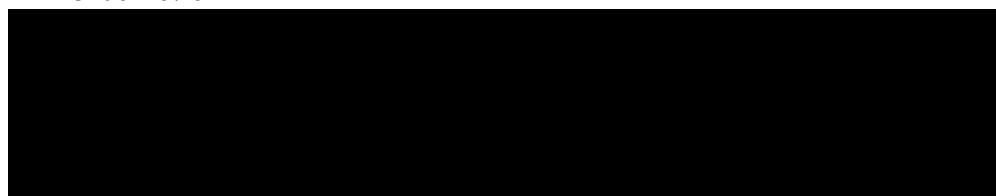
Thesis activities. Study of microporous adsorbents for water remediation. Starting from cellulose nanofibrils and exploiting the abundance of their functionalities, a synthetic route to graft hyper-crosslinked polymer phase on the surface of cellulose nanofibrils was designed.

Research activities

- 1) Development of nanostructured coatings with high hydrogen barrier properties for steel pipelines.
Research project: "Accordo di Programma MiTE-ENEA - RICERCA E SVILUPPO DI TECNOLOGIE PER LA FILIERA DELL'IDROGENO".
- 2) Synthesis and characterization of cellulose-based microporous adsorbents grafted with biobased hyper-crosslinked polymers for water remediation application.
Research project: "PRIN PNRR 2022 – "Photocatalytically-regenerable hierarchically porous adsorbents for efficient water treatment" (PHOTOPAD)".

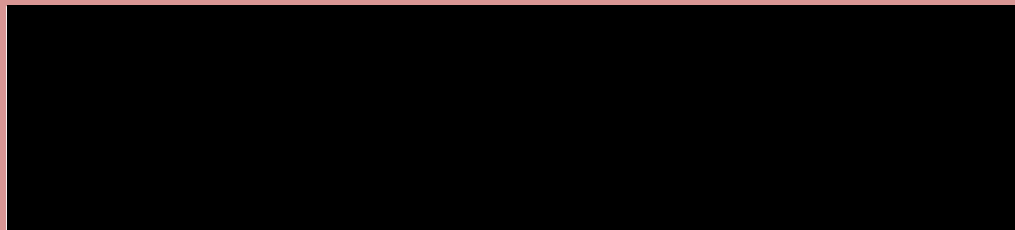
Scientific Publications

- 1) Maglione A., Olivieri F., Avolio R., Castaldo R., Cocca M., Errico M. E., Ambrogi V., Gentile G. "Hyper-crosslinked cellulose nanofibrils for water remediation". Submitted to Chemical Engineering Journal. Under review.





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Dissemination activities

- 1) AIM – Macrogiovani 2024. **From June 12 to June 13, 2024**
Rimini, Italy

Poster presentation: “Cellulose based hyper-crosslinked nanofibrils for water remediation”.
Best flash presentation award.
- 2) AIM – XXV Convegno Nazionale. **From September 8 to September 11, 2024**
Naples, Italy

Poster presentation: “Cellulose based hyper-crosslinked nanofibrils for water remediation”.
Book of abstract p. 285 – 287.
- 3) La notte dei ricercatori. **September 27, 2024**
Piazza Dante, Naples, Italy

Personal interest and details

- I love attending summer camps where I have the responsibility of leading groups of kids to help them stay together, play, and build friendships.
- I like playing football with my friends. I really enjoy traveling and organizing day trips with them.

- Italian nationality (no Visa required)
- Full, clean driving licence

