



Alessandro Amadeo

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● EDUCATION AND TRAINING

04/10/2022 – 18/07/2023 Messina, Italy

MASTER DEGREE IN CHEMISTRY University of Messina

Final grade 110/110 con Lode |

Thesis PROGETTAZIONE, SINTESI E STUDIO DELLE PROPRIETÀ DI UN MACROCICLO SUPRAMOLECOLARE DI RU(II) CON ELEVATA ATTIVITÀ CATALITICA PER L'OSSIDAZIONE FOTOINDOTTA DELL'ACQUA

24/09/2018 – 20/07/2021 Messina, Italy

BACHELOR DEGREE IN CHEMISTRY University of Messina

Final grade 110/110 con Lode |

Thesis PREPARAZIONE E STUDIO DI NUOVI CARBON DOT PER APPLICAZIONI IN LUMINESCENT SOLAR CONCENTRATOR

01/11/2023 – CURRENT

PHD IN PHOTOINDUCED PROCESSES AND TECHNOLOGIES UniPG

● CONFERENCES AND SEMINARS

20/09/2019 – 22/11/2019 Messina

Innovative Materials for Energy

03/07/2023 Messina

Artificial photosynthesis. Light-driven hydrogen production and carbon dioxide reduction

10/07/2023

Steps Towards Life: Chemistry!

Lectio Doctoralis tenuta dal premio Nobel per la chimica Jean-Marie Lehn

14/07/2024 – 19/07/2024 Valencia

29th PhotoIUPAC- IUPCA Symposium on Photochemistry

Poster Presentation

05/07/2024 – 07/12/2024 Roma

IPM 2024-Italian Photochemistry Meeting 2024

Oral Presentation

15/09/2024 – 20/09/2024 Jesolo (Ve)

SPEC 24- Spectroscopy and Electrochemistry Summer School

Poster Presentation

02/12/2024 – 03/12/2024 Università degli Studi di Messina

SciSiCa2024-Congresso Congiunto delle Sezioni Sicilia e Calabria 2024 della Società Chimica Italiana

26/05/2025 – 28/05/2025 Pisa

Frontiers of Photochemistry

09/06/2025 – 12/06/2025 Bologna

X Ciamician Photochemistry School

08/07/2025 – 12/07/2025 Milazzo

26th International Symposium on Photochemistry and Photophysics of Coordination Compounds

Poster Presentation

Milazzo

2nd young-International Symposium on Photochemistry and Photophysics of Coordination Compounds

organizing committee

08/07/2025 – 12/07/2025 Milazzo

International Symposium on Photochemistry and Photophysics of Coordination Compounds

Poster Presentation

● TIROCINIO FORMATIVO

10/10/2022 – 10/04/2023

Internship at CNR-IPCF of Messina

Computational study on Stark Effect on polar molecules (HF, H₂O and NH₃) under electric fields

● PUBLICATIONS

2024

Experimental and computational study on morin and its complexes with Mg²⁺, Mn²⁺, Zn²⁺, and Al³⁺: Coordination and antioxidant properties

Journal of Inorganic Biochemistry 258 (2024) 112635

2024

Multinuclear systems for photo-induced production of green fuels: an overview of homogeneous catalysts based on transition metals

DOI: 10.1039/d4se00078a

2024

Water Dimer under Electric Fields: An Ab Initio Investigation up to Quantum Accuracy

J. Phys. Chem. A 2024, 128, 5490–5499

2025

[Hydrogen Bonds under Electric Fields with Quantum Accuracy](#)

J. Phys. Chem. A 2025, 129, 18, 4077–4092

Publisher: The Journal of Physical Chemistry A

● HONOURS AND AWARDS

03/12/2024

Best thesis in chemistry 2023. – Società Chimica Italiana Sezione Sicilia
