

MARTINA ALEBARDI

RESEARCH TOPICS

Physical chemistry, photochemistry, photophysics, ultrafast spectroscopy

EDUCATION

November 2022 – today: PhD in Photoinduced Processes and Technologies, University of Perugia, Department of Chemistry, Biology and Biotechnology

October 2020 – September 2022: Master's degree in Chemical Sciences, University of Perugia, Department of Chemistry, Biology and Biotechnology

October 2017 – September 2020: Bachelor's degree in Chemistry, University of Perugia, Department of Chemistry, Biology and Biotechnology

PROFESSIONAL EXPERIENCE

November – December 2023: Tutoring activities for the Laboratory of Physical Chemistry II for the Bachelor degree in Chemistry, University of Perugia, Department of Chemistry, Biology and Biotechnology

November – December 2022: Tutoring activities for the Laboratory of Physical Chemistry II for the Bachelor degree in Chemistry, University of Perugia, Department of Chemistry, Biology and Biotechnology

PUBLICATIONS

1. L. Mencaroni, A. Cesaretti, B. Carlotti, M. Alebardi, F. Elisei, A. Ratkovic, I. Skoric, A. Spalletti, Tuning the Photophysics of Two-Arm Bis[(dimethylamino)styryl]benzene Derivatives by Heterocyclic Substitution, *Molecules* **2022**, 27 (24), 8725;
2. A. Cesaretti, E. Calzoni, N. Montegiove, T. Bianconi, M. Alebardi, M. A. La Serra, G. Consiglio, F. Elisei, A. Spalletti, Lighting-Up the Far-Red Fluorescence of RNA-Selective Dyes by Switching from Ortho to Para Positions, *IJMS*, **2023**, 24 (5), 4821;
3. L. Mencaroni, M. Alebardi, F. Elisei, I. Skoric, A. Spalletti, B. Carlotti, Unveiling the Double Triplet Nature of the 2Ag State in Conjugated Stilbenoid Compounds to Achieve Efficient Singlet Fission, *Phys. Chem. Chem. Phys.*, **2023**, 25 (31), 21089-21099.
4. Alebardi, M.; Munzone, C.; Sorbelli, E.; Grasso, A.; Mencaroni, L.; Elisei, F.; Fortuna, C. G.; Spalletti, A.; Bonaccorso, C.; Carlotti, B. Ultrafast and Quantitative FRET

Sensitization of Singlet Fission in Solution-Processable Para-Azaquinodimethane Films. *Adv. Fun. Mat.* n/a (n/a), 2403706.