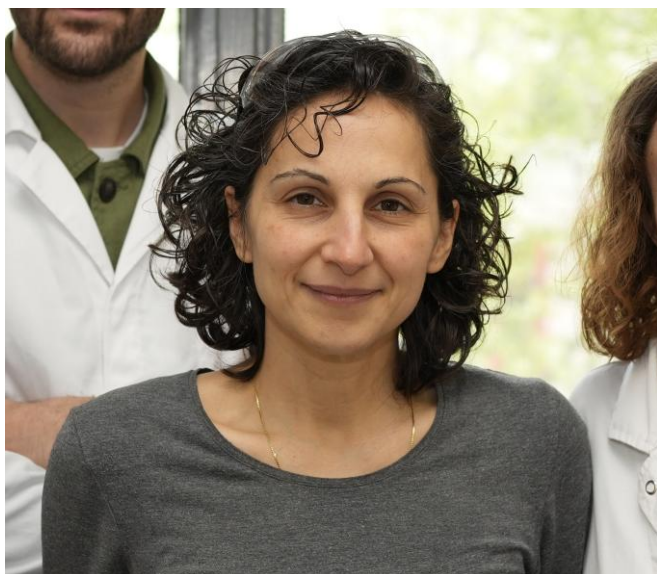


PROF. MARTA DE ZOTTI

DIPARTIMENTO DI SCIENZE CHIMICHE – DISC, VIA F. MARZOLO, 1 - PADOVA

marta.dezotti@unipd.it



Marta De Zotti is an associate professor at the Department of Chemistry of the University of Padova. Her research interest is focused on the synthesis of stable helical peptides of the naturally-occurring family of the peptaibols and their application in the field of biocompatible materials. In 2019 she developed peptide-based biomolecular devices in collaboration with Prof. Emanuela Gatto of the University of Tor Vergata and was recognized as a 'Young Researcher who distinguished herself in one of the various fields of science, technology or art' by the Italian Republic President Sergio Mattarella at the traditional reception for the Republic Day (June 1st, 2019). In 2020 she developed the peptide-based plant protection technology that won the first prize at the Intellectual Property Award 2021 - Agrotech sector (Expo2021 Dubai). She coauthored more than 100 publications in peer-review journals and four EU patents.

FIVE RECENT PUBLICATIONS

Kubitzky S., Lettieri R., Passaretti E., Venanzi M., De Zotti M.*, Mazzuca C., Placidi E., Gatto E.* A Supramolecular Wire Able to Self-Assemble on Gold Surface: Controlling the Film Length to Optimize the Device Lifetime and Electron Transfer Efficiency. *Adv. Mater. Interfaces*, 12, 2400418 (**2025**).

Messina G.M.L., De Zotti M., Siano A.S., Mazzuca C., Marletta G., Palleschi A. Dimer Is Not Double: The Unexpected Behavior of Two-Floor Peptide Nanosponge. *Molecules*, 30, 47 (**2025**).

Fodil S., De Zotti M.*, Tundo S., Gabbatore L., Vettorazzo I., Luti S., Musetti R., Sella L., Favaron F., Baccelli I.* Multiple lysine substitutions in the peptaibol trichogin GA IV enhance the antibiotic activity against plant pathogenic *Pseudomonas syringae*. *Pest. Biochem. Physiol.*, 201, 105901 (**2024**).

Bertran A., De Zotti M., Timmel C.R., Di Valentin M., Bowen A.M. Determining and controlling conformational information from orientationally selective light-induced triplet–triplet electron resonance spectroscopy for a set of bis-porphyrin rulers. *Phys. Chem. Chem. Phys.*, 26, 2589 (**2024**).

Bertran A., Morbiato L., Sawyer J., Dalla Torre C., Heyes D.J., Hay S., Timmel C.R., Di Valentin M., De Zotti M.*, Bowen A.M.* Direct Comparison between Förster Resonance Energy Transfer and Light-Induced Triplet–Triplet Electron Resonance Spectroscopy *J. Am. Chem. Soc.*, 145, 22859–22865 (**2023**).