

Sara Del Galdo

Education

Date	2016-2017.
Institute	Università degli Studi di Roma Tor Vergata.
Qualification	Philosophiae Doctor in Chemical Science. PhD Thesis title: " <i>Unveiling the atomic-molecular behaviour of complex systems by means of theoretical-computational modelling</i> ". Supervisor: Dr. A. Amadei. Mark: Eccellente.
Date	2012-2013.
Institute	Università degli Studi di Roma Tor Vergata.
Qualification	Master Degree in Chemical Science. Thesis title: " <i>Studio teorico dei processi di denaturazione-rinaturazione di peptidi e proteine</i> ". Supervisor: Dr. A. Amadei. Mark: 110/110 summa cum laude.
Date	2009-2010.
Institute	Università degli Studi di Roma Tor Vergata.
Qualification	Bachelor Degree in Chemical Science. Thesis title: " <i>Studi spettroscopici sul ruolo della prolina nell'attività e selettività di un peptide antimicrobico</i> ". Supervisor: Prof. L. Stella. Mark: 110/110.
Date	2004-2005.
Institute	Liceo Ginnasio Statale Immanuel Kant.
Qualification	Diploma di Liceo Classico. Mark: 90/100.

PUBLICATIONS

- S. Del Galdo, M. Aschi and A. Amadei, In silico characterization of bimolecular electron transfer reactions: the ferrocene-ferrocenium reaction as a test case. *International Journal of Quantum Chemistry*, 2016, **116**, 1723–

1730.

- S. Del Galdo, P. Marracino, M. D'Abramo and A. Amadei, In silico characterization of protein partial molecular volumes and hydration shells. *Phys. Chem. Chem. Phys.*, 2015, **17**, 31270–31277.
- S. Del Galdo and A. Amadei, The unfolding effects on the protein hydration shell and partial molar volume: a computational study. *Phys. Chem. Chem. Phys.*, 2016, **18**, 28175–28182.
- A. Amadei, S. Del Galdo and M. D'Abramo, Density discriminates between thermophilic and mesophilic proteins. *J Biomol Struct Dyn.*, 2017, doi: 10.1080/07391102.2017.1385537
- O. Carrillo-Parramon, S. Del Galdo, M. Aschi, G. Mancini, A. Amadei and V. Barone, Flexible and Comprehensive Implementation of MD-PMM Approach in a General and Robust Code. *J. Chem. Theory Comput.*, doi:10.1021/acs.jctc.7b00341

CONFERENCES

- 24/09/2015 "Tuma XXXIV Convegno delle Sezioni Toscana, Umbria, Marche e Abruzzo della Società Chimica Italiana", Perugia (PG).
Oral presentation: "In silico characterization of protein partial molecular volumes and hydration shells".
- 6-7/11/2017 "Problems in discrete dynamics: from biochemical systems to rare events, networks, clustering and related topics II", Arcidosso (GR).
Oral presentation: "Effects of backbone protonation on Tyrosine UV-VIS absorption spectrum".

Birth date and place: 25/08/1986, Roma.

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