Curriculum Vitae

PERSONAL DATA

Name:	Miguel Ângelo dos Santos Machuqueiro		
Place & Birth Date:	Palmela, 27-12-1974		
Nationality:	Portuguese		
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ORCID ID:	http://orcid.org/0000-0001-6923-8744		

ACADEMIC

2019-	Assistant Researcher (CEEC-CI-2017) at the Chemistry and Biochemistry Department, Faculty of Sciences, University of Lisbon.
2014-2018	Invited Assistant Professor at the Chemistry and Biochemistry Department, Faculty of Sciences, University of Lisbon.
2009-2014	Assistant Researcher (Investigador Auxiliar do Programa Ciência2008) at the Chemistry and Biochemistry Center, Faculty of Sciences, University of Lisbon.
2003-2009	Pos-doctoral fellow at the Molecular Simulation and Protein Modelling groups, supervised by Dr. António Baptista and Prof. Cláudio Soares, at ITQB-NOVA, Oeiras, PT.
1999-2003	PhD from the University of Bern, Switzerland (Doctor of Philosophy; PhD; Dr. phil.-nat.), supervised by Prof. Tamis Darbre and Prof. Jean-Louis Reymond.
1992-1998	Diploma in Biochemistry, at the Faculty of Sciences University of Lisbon.

SPECIALIZATION DOMAINS

Chemistry and Biochemistry

Theoretical Chemistry and Biochemistry:

- Computational (Bio)chemistry
- Quantum Mechanics
- Molecular Dynamics
- Molecular Docking
- Molecular Mechanics
- Force Field Development
- Continuum Electrostatics
- Biological Membrane Biophysics

FUNDING: *Coordinator (PI):*

2015- "CpHMD-L simulations of pHLIP peptides: design of new tumor-targeted drug delivery systems" (PTDC/QEQ-COM/5904/2014). Funding: **185.088 Euros**

2010-14 "Adding realism to the molecular modeling of lipidic membranes: inclusion of pH effects" (PTDC/QUI-BIQ/113721/2009). Funding: **150.000 Euros**

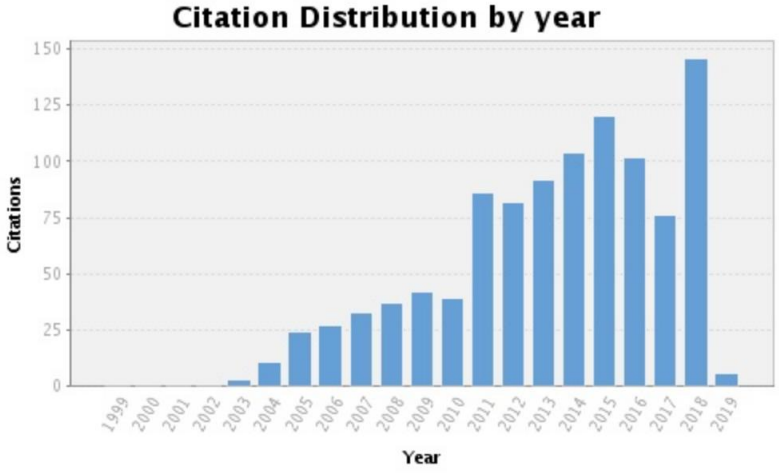
FUNDING: *Co-PI:*

2018-21 "Physical Basis of Disease: The case of Dialysis Related Amyloidosis" (PTDC/FIS-OUT/28210/2017) (Coordination: Patrícia Faísca, FCUL). Funding: **195.144,75 Euros**

2018-21 "Targeting multi-resistant tuberculosis with new potent isoniazid derivatives: an integrated medicinal chemistry approach" (PTDC/MED-QUI/29036/2017) (Coordination: Filomena Leitão, FCUL) Funding: **226.020,98 Euros**

2018-21 "Deal with PAINS: strategies to identify membrane modulators" (PTDC/BIA-BFS/28419/2017) (Coordination: Bruno L. Victor, FCUL) Funding: **235.111,50 Euros**

PUBLICATIONS STATS (ISI WEB OF SCIENCE)



Total Articles in Publication List: **50**
Articles With Citation Data: **49**
Sum of the Times Cited: **1030**
Average Citations per Article: **21.02**
h-index: **17**
Last Updated: **01/18/2019 14:24 GMT**

The number of publications may not be complete since ISI WoS does not count recently accepted manuscripts

RECENT PUBLICATIONS:

- Dias, C., Pais, J., Nunes, R., Blázquez-Sánchez, M.T., Marquês, J.T., Almeida, A.F., Serra, P., Xavier, N.M., Vila-Viçosa, D., **Machuqueiro, M.**, Viana, A.S., Martins, A., Santos, M.S., Pelerito, A., Dias, R., Tenreiro, R., Oliveira, M.C., Contino, M., Colabufo, N.A., de Almeida, R.F.M., Rauter, A.P. (2018) "Sugar-Based Bactericides Targeting Phosphatidylethanolamine-Enriched Membranes", *Nat. Commun.*, 9, 4857. doi: 10.1038/s41467-018-06488-4

- Vila-Vicosa, D., Silva, T. F. D., Slaybaugh, G., Reshetnyak, Y. K., Andreev, O. A., **Machuqueiro, M.** (2018) "The membrane-induced pK_a shifts in wt-pHLIP and its L16H variant", *J. Chem. Theory Comput.*, 14, 3289-3297. doi: 10.1021/acs.jctc.8b00102

- Silva, T. F. D., Vila-Viçosa, D., Reis, P. B. P. S., Victor, B. L., Diem, M., Oostenbrink, C., and **Machuqueiro, M.** (2018) "The impact of using single atomistic long range cutoff schemes with the GROMOS 54A7 force field", *J. Chem. Theory Comput.*, 14, 5823-5833. doi: 10.1021/acs.jctc.8b00758