

# 2024

## International articles with referee

1. Melnik, T., Sinval, J., Pinho, V. D. de, Junior, J. A. S. H., Oliveira, M. da S., & Lopes, F. M. (2025). Knowledge and use of evidence-based practice in psychology in the clinical practice of Brazilian psychologists: A cross-sectional study. *Healthcare*, 13(4), 1–18. <https://doi.org/10.3390/healthcare13040431>
2. Nevado B, Atchison GW, Bridges EL, Orzell S, Filatov D, Hughes CE. Pleistocene diversification of unifoliolate-leaved *Lupinus* (Leguminosae: Papilionoideae) in Florida. *Molecular Ecology* (accepted).
3. Andrade, R., Laranjeiro, N., & Vieira, M. (2024). BugHub: A Large Scale Issue Report Dataset. In 19th European Dependable Computing Conference - EDCC, accepted for publication. Leuven.
4. Sinval, J., Oliveira, P., Novais, F., Almeida, C. M., & Telles-Correia, D. (2024). Correlates of burnout and dropout intentions in medical students: A cross-sectional study. *Journal of Affective Disorders*. <https://doi.org/10.1016/j.jad.2024.08.003>
5. "Leveraging LLMs for On-the-fly Instruction Guided Image Editing" dos autores Rodrigo Santos, João Silva e António Branco EPIA 2024, International Conference on Artificial Intelligence (<https://doi.org/10.48550/arXiv.2403.08004>)
6. Morais, I., Carneiro, F. A., Sinval, J., Costa, P. A., & Leal, I. (2024). The Walsh Family Resilience Questionnaire: Validity evidence from Portugal. *Family Relations*. <https://doi.org/10.1111/fare.13078>
7. Sinval, J., Oliveira, P., Novais, F., Almeida, C. M., & Telles-Correia, D. (2024). Exploring the impact of depression, anxiety, stress, academic engagement, and dropout intention on medical students' academic performance: A prospective study. *Journal of Affective Disorders*. <https://doi.org/10.1016/j.jad.2024.09.116>
8. Melo, L. E. A. de, Sinval, J., & Isler, C. A. (2025). Prospective avenues in travel behavior research supported by the cognitive dissonance theory: A scoping review. *Transportation Research Part F: Traffic Psychology and Behaviour*, 109, 501–519. <https://doi.org/10.1016/j.trf.2024.12.022>
9. Galamba, N., Sickle Cell Hemoglobin “Drugged” with Cyclic Peptides is Aggregation Incompetent, *J. Phys. Chem. B*, 128, 36, 8662, 2024 URL: <https://doi.org/10.1021/acs.jpcb.4c03805>
10. Martins, G., Galamba, N., Wild Type  $\alpha$ -Synuclein Structure and Aggregation: A Comprehensive Coarse-Grained and All-Atom Molecular Dynamics Study, *J. Chem. Inf. Model.*, 64, 15, 6115, 2024 URL: <https://doi.org/10.1021/acs.jcim.4c00965>

11. Gomes I., Martins, G., Galamba N., Essential Dynamics of Ubiquitin in Water and in a Natural Deep Eutectic Solvent, Phys. Chem. Chem. Phys., 26, 18244, 2024 URL: <https://pubs.rsc.org/en/Content/ArticleLanding/2024/CP/D4CP01773K> I.lana Lychko; Cátia Lopes Soares; Barbosa, A.J.M.; Tomás Rosa Calmeiro; Rodrigo Ferrão de Paiva Martins; Ana Margarida Gonçalves Carvalho Dias; Ana Cecília Afonso Roque. "Kinetics of charge-dependent reversible condensation of reflectin nanostructures". Materials Advances (2024): <https://doi.org/10.1039/D4MA00788C>.

## Oral Presentations

## Proceeding in international conferences

1. Title:
  - date:
  - Authors:

## Posters (internation meetings)

1. Galamba, N. Cyclic Peptides as Protein Aggregation Inhibitors for Globular and Intrinsically Disordered Disease-Related Proteins, The Leuven Protein Aggregation Meeting (2nd edition), September 11-13, 2024, Leuven, Belgium – poster
2. Jéssica Rodrigues; Carlos Costa; Carolina Mota Natal; Ana Margarida Gonçalves Carvalho Dias; Roque, ACA; Moura Barbosa, Arménio J.. Autor correspondente: Moura Barbosa, Arménio J.. "Molecular Modeling in Biotechnology: Design and Discovery of small molecule adsorbents". Trabalho apresentado em EuroQSAR 2024, 2024.
3. Jéssica Rodrigues; Carlos Costa; Carolina Mota Natal; Ana Margarida Dias; Roque, ACA; Moura Barbosa, Arménio J.. Autor correspondente: Moura Barbosa, Arménio J.. "In silico Affinity Ligands: Design and Discovery of small molecule adsorbents". Trabalho apresentado em Bpi Europe 2024, 2024.
4. Moura Barbosa, Arménio J.; Soares, Cátia Lopes; Esteves, Carina; Nurrito, Ariana; Lychko, Iana; Ana Margarida Dias; Pina, Ana Sofia; Roque, Ana Cecília Afonso. "From code to structure: molecular modeling in biomaterials assembly". Trabalho apresentado em SUPRALife Second School – “Bioinspired Supramolecular Self-Assemblies, 2024.

# Posters (national meetings)

## Thesis / Dissertation

### PhD Thesis

Finished

Ongoing

### Master Thesis

1. Vasco Neto – MSc, “Probing the Anti-Sickling Power of Distinct Drugs in Sickle Cell Disease”, scientific advisor, Biochemistry and Biomedicine MSc, FCUL
2. Inês Gomes – MSc, “Probing the Stability of Biomolecules in Deep Eutectic Solvents”, scientific advisor, Biochemistry and Biomedicine MSc, FCUL
3. Catarina Nascimento – MSc, “Molecular Mechanisms of Amyloid Aggregation in Neurodegenerative Diseases”, scientific advisor, Biochemistry and Biomedicine MSc, FCUL
4. 11/2024, Computational Modeling of Biopharmaceuticals Purification Systems, Jéssica Rodrigues, Master in Computational Biology and Bioinformatics, FCT UNL.

Finished

Ongoing

## Patents

## Datasets

# Courses

1. Course for Biochemistry BSc Degree: Introduction to Biomolecular Simulation, at FCT UNL.  
The course aims to introduce students to the field of biomolecular simulation. HPC computing time for students.

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