Curriculum Vitae

João Aires de Sousa was born in Lisbon, Portugal, in 1970. He studied chemistry at the New University of Lisbon (FCT/UNL), where he graduated in 1993, and obtained his Ph.D. (1997) in Organic Chemistry with A. Lobo and S. Prabhakar. His Ph.D. thesis was on 'Chiral Synthesis of N-Arylaziridines'. In 1998 he joined the group of J. Gasteiger in Erlangen, Germany, as a post-doctoral fellow, and in 2002 he was appointed as an Assistant Professor of the Department of Chemistry at the New University of Lisbon (Portugal). In 2010 JAS obtained the Habilitation in Chemistry at FCT-UNL.

JAS leads a research group of Chemoinformatics since 2002. His main scientific interests include automatic learning of chemical reactivity and metabolism, genome-scale classification of enzymatic reactions, prediction of NMR spectra, and representation of molecular chirality for computer prediction of observable properties.

João Aires de Sousa has designed and implemented Chemoinformatics modules at undergraduate and graduate levels at FCT-UNL (Caparica, Portugal) and FC-UL (Lisbon, Portugal). He has taught Chemoinformatics at Master courses of the Universities of Strasbourg (France) and Sao Paulo (Brazil).

JAS is engaged in the implementation of active learning methodologies, namely Team-Based Learning, in a range of curricular units, from General Chemistry for large classes of 1st year students to Chemoinformatics modules at Master courses.

JAS has coordinated the Applied Chemistry Degree ("Licenciatura em Química Aplicada", FCT-UNL, 2009-2011) and the Bioorganic Master course at FCT-UNL (2011).

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