

## Summarized Curriculum Vitae

**Name:** João Pedro Martins de Almeida Lopes (Chem Eng, PhD)

**Current Position:** Assistant Professor at the Faculty of Pharmacy of University of Lisbon

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**Description:** João Almeida Lopes (JAL) graduated in Chemical Engineering (biotechnology branch) in 1997 at Instituto Superior Técnico (Technical University of Lisbon). In 2001, in the same institution, he completed his PhD in Chemical Engineering in the subarea of bioengineering. He developed a Thesis on chemometrics applied to the pharmaceutical industry, namely to the bio-production of bioactive compounds. This PhD Thesis was awarded with one Companhia Uniao Fabril/CUF prize in 2003 (prize awarding the chemical/environmental/biological engineering PhD Thesis with more industrial application). In 2004, during a Post-Doctoral research period, JAL was awarded with the first prize in the entrepreneurship contest Bioempreendedor ([www.bioempreendedor.com](http://www.bioempreendedor.com)) where infrared spectroscopy coupled with chemometrics was proposed for rapid and cost effective identification of human bacterial pathogens. JAL joined the Associated Laboratory REQUIMTE at University of Porto in 2006 as Assistant Researcher in chemometrics and spectroscopy. In 2006, he was co-founder of Worldmetrics Solutions, a company for industrial implementation of advanced process analytical technology (PAT) solutions ([www.worldmetrics.net](http://www.worldmetrics.net)). He started the Chemometrics & Process Analytical Technology unit at U. of Porto (<http://chemometricsandpat.wordpress.com>) where he consolidated an independent research team. This research unit is focused on Process Analytical Technology (PAT), Quality-by-Design approaches for exact, life and environmental sciences. Since 2014, JAL is Assistant Professor of Pharmaceutics at the Faculty of Pharmacy of University of Lisbon. He coordinated and participated in more than 45 funded projects of different topologies most in collaboration with industrial partners mainly primary and secondary pharmaceutical, oil refining, agrofood, dairy and brewing industries. He supervised several undergraduate students, PhD students and Postdoc researchers. He published 85 peer-reviewed articles in international scientific journals and several book chapters. He lectured several invited communications in international conferences and symposia, co-authored 82 oral communications and 128 poster communications in international scientific conferences. Current research activity is focused on the development and application of chemometrics and vibrational spectroscopy in the context of pharmaceutics, especially in what concerns the fast characterization of modified delivery systems and nanoparticles (non-destructive, non-invasive, reagent-free).

He's a regular peer-reviewer of scientific papers in multiple international scientific journals. He's also reviewer of scientific projects for several funding agencies in Europe, namely the Belgium, Polish, Romanian, Finish and Brazilian national funding agencies. He's also a grant evaluator (PhD and Post-doctoral grants) for the Portuguese Foundation for Science and Technology (FCT) since 2013. He's member of the steering committee of the European Federation for Pharmaceutical Sciences (EUFEPS) PAT and QbD Network since 2010 ([www.eufeps.org](http://www.eufeps.org)). He was President of the Portuguese Science and Technology Researchers Association ([www.anict.pt](http://www.anict.pt)) between 2012 and 2014. He's since beginning 2016, Vice-president of the Portuguese Society for Pharmaceutical Sciences (<http://www.spcf.org.pt/>).

December 20, 2016