

Short Curriculum Vitae

João J Clemente

January 2019

João J Clemente is a Senior Bioprocess Engineer, Responsible for Process Engineering, Measurement and Control at iBET's Biopilot Plant.

João J Clemente graduated in 1989 in Electrotechnical and Computer Engineering at Instituto Superior Técnico, UTL (Technical University of Lisbon).

After a short period at Siemens (Energy and Industry Department) and in an IT Division from the Portuguese Army, he has been working at iBET's Biopilot Plant since 1991. Over more than 25 years, João J Clemente participated in a wide range of R&D projects, some of them as PI and Co-PI, for many pharmaceutical companies, biotech SMEs and academic institutions. He was also involved in the start-up of two biotech companies: Genibet and mediaOmics.

CV Highlights: 20 published papers; 2 book chapters; 2 patents.

Current Research Projects: DiViNe - Sustainable Downstream Processing of Vaccines through Incorporation of Nanobiotechnology: Novel Affinity Ligands and Biomimetic Membranes (Horizon2020 EU program) and iNOVA4Health - a translational medicine programme organizing the efforts of biomedical researchers, technological and clinicians (Fundação para a Ciência e Tecnologia/Ministério da Ciência e do Ensino Superior and FEDER/PT2020).

Other Current Activities: optimization of scale-up strategies for different industry relevant process lines; development of biotechnological process control systems (integrating hardware, software, simulation and actual data); implementation of expert systems and multivariate data analysis for prediction, operation and control.

The main area of activities focus on the pharmaceutical industry (human and veterinary), namely in the development of production processes for new vaccines, diagnostics and therapeutic products, as well as production of recombinant proteins for structural biology studies

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