

Júlio José da Silva Paiva (Nov 1983, PhD)

### **Academia and Professional Highlights**

- Scientific-technological course in Chemistry at Colégio Internato dos Carvalhos in 2001
- Graduated in Chemical Engineering from the Faculty of Engineering of the University of Porot, in 2006, with a professional internship with Development of laboratory management tools ", at the Cork Technology Center (2006)
- Participation in a scientific consultancy project in the area of bio-fuels, as a junior consultant in the area of Chemical and Process Engineering
- PhD in Chemical and Biological Engineering 2010
- R&D Director at Advanced Cyclone Systems S.A. (since 2010)

### **Thesis and Books**

- J.Paiva, Captura de Poeiras Finas em ciclones com sistemas de recirculação electrostática, FEUP Edições, 2010, PhD Thesis

### **Peer reviewed publications Highlights**

- R. Salcedo and J. Paiva, Cyclone Control, PMPS, 88-91, February 2010.
- R. Salcedo and J. Paiva, Efficient Cyclone Systems for Fine Particle Collection, Filtration & Separation, 18-21, Jan/Feb 2010.
- J. Paiva , R.L.R. Salcedo and P. Araujo, Impact of Particle Agglomeration in Cyclones, Chemical Eng. J. 162, 861-876, 2010.
- A. Alves, J. Paiva and R. Salcedo, Cyclone optimization including particle clustering, Powder Technology, 2722, 14-22, 2015.

### **Patents**

- PCT 103727 (2013) - Reversed flow agglomerator cyclone and process thereof