

Curriculum Vitae

Jafar Mahmoudian

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Education:

Nov 2016 **Ph.D Student**, University of Florence, Department of Industrial Engineering, DIEF.

Subject: Experimental evaluation of environmentally friendly fluids ejector refrigeration performance

2014-2016 **Master in Chemistry**, University of Siena, Department of Biotechnology, Chemistry & Pharmacy, DBCF.

Thesis: Exploitation of Biomass for production of hydrogen and chemicals through electrochemical reforming

Supervisors: Prof. R. Basosi, Prof. M. Innocenti, Dr. F. Vizza

2004-2008 **Bachelor of Chemical Engineering**, Islamic Azad University – Mahshahr Branch – IRAN.

Thesis: Optimization of Multiple Compressor Performance

Supervisor: Dr. S. M. Peyghambarzadeh

Publication:

Electrochemical Coproduction of Acrylate and Hydrogen from 1,3-Propandiol, J.Mahmoudian, M.Bellini, M.V.Pagliaro, W.Oberhauser, M.Innocenti, F.Vizza, H.A.Miller, ACS Sustainable Chemistry & Engineering 2017.

Computer Skills:

- Engineering/Scientific Software: HYSYS , ASPEN
- Programming: MATLAB, Python, LABVIEW
- Software: Microsoft Office (Word , Excel , PowerPoint , Access) , Adobe Photoshop

Languages:

Persian: Native Language

English: Fluent

Italian: Limited proficiency

Research interests:

- Thermodynamic
- Refrigeration with Natural Fluids
- Ejector Technology