

Sofia Chaudry

Institute of Chemical Engineering and Technology
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Education

M.Sc. Engineering (Chemical Engineering) (2007)

Institute of Chemical Engineering and Technology
University of the Punjab, Lahore, Pakistan

B.SC. Engineering (Chemical Engineering) (2005)

Institute of Chemical Engineering and Technology
University of the Punjab, Lahore, Pakistan

Experience

PhD Scholar (2014 to date)

School of Engineering and Information Technology
Murdoch University, Western Australia, Australia

Assistant professor (2011 to date) (on study leave 2014 to date)

Institute of Chemical Engineering and Technology
University of the Punjab, Lahore, Pakistan

Lecturer (2009-2011)

Institute of Chemical Engineering and Technology
University of the Punjab, Lahore, Pakistan

Lecturer on contract (2008-2009) (2005-2007)

Institute of Chemical Engineering and Technology
University of the Punjab, Lahore, Pakistan

Awards

Winner of Asia Pacific PhD Challenge (competition of PhD scholars of whole Asia Pacific region on future mobility challenges, organised by BASF (the largest international chemical company))

Murdoch University Research Scholarship (Murdoch University, WA, Australia)

Gold Medal M.Sc. Engineering (University of the Punjab, Lahore, Pakistan)

Publications

Journal

Sofia Chaudry, Parisa A. Bahri, and Navid R. Moheimani, 'Superstructure Optimization and Energetic Feasibility Analysis of Process of Repetitive Extraction of Hydrocarbons from *Botryococcus Braunii* – a Species of Microalgae', *Computers & Chemical Engineering*, 97 (2017), 36-46.

Sofia Chaudry, Parisa A. Bahri, and Navid R. Moheimani, 'Pathways of Processing of Wet Microalgae for Liquid Fuel Production: A Critical Review', *Renewable and Sustainable Energy Reviews*, 52 (2015), 1240-50.

Book Chapters

Sofia Chaudry, Parisa A. Bahri, and Navid R. Moheimani, 'Potential of Milking of Microalgae Grown on Biofilm Photobioreactor for Renewable Hydrocarbon Production', in *Computer Aided Chemical Engineering*, vol. 40, ed. by Antonio Espuña (Elsevier, 2017), pp. 2497-2502

Sofia Chaudry, Parisa A. Bahri, and Navid R. Moheimani, 'Selection of an Energetically More Feasible Route for Hydrocarbon Extraction from Microalgae – Milking of *B. Braunii* as a Case Study', in *Computer Aided Chemical Engineering*, vol. 38, ed. by Kravanja Zdravko and Bogataj Miloš (Elsevier, 2016), pp. 1545-50.

Sofia Chaudry, Parisa A. Bahri, and Navid R. Moheimani, 'Proposal of a New Pathway for Microalgal Oil Production and Its Comparison with Conventional Method', in *Computer Aided Chemical Engineering*, vol. 37, ed. by Jakob K. Huusom Krist V. Gernaey and Gani Rafiqul (Elsevier, 2015), pp. 377-82.

International Presentations

European Symposium on Computer Aided Process Engineering, held in Copenhagen, Denmark, 2015

Presentation at the BASF headquarter in Ludwigshafen, Germany, 2015

Presentation at the BASF Innovation Campus Asia Pacific, Shanghai, China, 2015

Presentation at Engineers Australia in Perth, Western Australia, 2016