

YUCHEN LIU

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EXPERIENCE

Research Associate

Southern University of Science and Technology

📅 Aug 2018 - present

📍 Shenzhen, CHN

Assistant Consultant

Deputy of Environmental Protection

📅 Feb 2018 – July 2018

📍 Jiangxi, CHN

Project: “Improve the wastewater management in the industry park and animal husbandry”;

“Facilitating garbage classification in the domestic community”

Research Internship

CEB

📅 Mar 2017 - Aug 2017

📍 Braga, PT

Project: “Nanomaterials on bioremediation of petroleum contaminated sediments”

Research Internship

Wetsus

📅 Sept 2016 – Feb 2017

📍 Leeuwarden, NL

Master Thesis: “Limiting excessive ethanol oxidation in chain elongation by caproate inhibition”

Research Fellow

China Agricultural University

📅 Sept 2013 – May 2015

📍 Beijing, CHN

Bachelor Thesis: “NIR microscopic imaging analysis non-detection methods for the non-protein nitrogen sources in the protein feed”

Project: “On-line measurement of nutrient contents of corn straw by NIRS”

PERSONEL

Date of birth: 29/07/1994

Citizenships: Chinese

EXPERTISE/ SKILLS

environmental biotechnology, wastewater treatment, bioprocessing, bioremediation, agricultural engineering, data processing, chemical analysis (GC, HPLC, IC, spectroscopy, etc.), experimental methods, modeling, programming, Microsoft office, driving.

LANGUAGES

Chinese (Mother Tongue)

English (Fluent)

EDUCATION

M.S. in **Environmental Science**

Wageningen University & Research

📅 Sept 2015 – Sept 2017 📍 NL

Erasmus Exchange in **Environmental Biotechnology**

Universidade do Minho

📅 Mar 2017 – Aug 2017 📍 PT

B.E. in **Agricultural Engineering**

China Agricultural University

📅 Sept 2011 – July 2015 📍 CHN

PUBLICATION

Mark Roghair, Yuchen Liu, Julius Adiatma, Ruud A. Weusthuis, Marieke E. Bruins, Cees J.N. Buisman, and David P.B.T.B. Strik: *Effect of n-caproate concentration on chain elongation and competing processes*, ACS Sustainable Chem. Eng, 2018; DOI=10.1021/acssuschemeng.8b00200

Roghair Mark, Liu Yuchen, Strik David P. B. T. B., Weusthuis Ruud A., Bruins Marieke E., Buisman Cees J. N: *Development of an Effective Chain Elongation Process From Acidified Food Waste and Ethanol Into n-Caproate*, Frontiers in Bioengineering and Biotechnology, Volume 6, 2018, Page 50; DOI=10.3389/fbioe.2018.00050

Junjie Xue, Zengling Yang, Lujia Han, Yuchen Liu, Yao Liu, Chengcheng Zhou: *On-line measurement of proximates and lignocellulose components of corn stover using NIRS*, Applied Energy, Volume 137, 2015, Pages 18-25; DOI=10.1016/j.apenergy.2014.09.089.