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Kvalifikationer

Engineering, PhD, Valorization of Mixed Lignocellulosic Residues in the UAE using a Biorefinery Concept, Khalifa University

5. jan. 2014 → 30. dec. 2017

Dimissionsdato: 8. feb. 2018

Kemiteknik, kandidatgrad, Analysis and Optimization of p-Xylene Production Process, American University of Sharjah

1. sep. 2011 → 8. jun. 2013

Dimissionsdato: 8. jun. 2013

Chemical Engineering, BSc, University of Engineering & Technology, Lahore

15. sep. 2006 → 1. jun. 2010

Dimissionsdato: 11. jan. 2011

Ansættelse

Institut for Grøn Teknologi

SDU

Odense M

1. jul. 2023 → 14. dec. 2024

Adjunkt

SDU Biotechnology

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Publikationer

Iron limitation effect on H₂/CO₂ biomethanation: Experimental and model analysis

Ebrahimian, F., Lovato, G., Alvarado-Morales, M., Ashraf, M. T., Rodrigues, J. A. D., Tsapekos, P. & Angelidaki, I., apr. 2023, I: Journal of Environmental Chemical Engineering. 11, 2, 9 s., 109529.

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Optimizing the dosing and trickling of nutrient media for thermophilic biomethanation in a biotrickling filter

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Bharath, G., Hai, A., Rambabu, K., Banat, F., Jayaraman, R., Taher, H., Bastidas-Oyanedel, J. R., Ashraf, M. T. & Schmidt, J. E., apr. 2020, I: *Biomass and Bioenergy*. 135, 11 s., 105523.

Biomethanation in a thermophilic biotrickling filter using cattle manure as nutrient media

Sieborg, M. U., Jønson, B. D., Ashraf, M. T., Yde, L. & Triolo, J. M., feb. 2020, I: *Bioresource Technology Reports*. 9, 8 s., 100391.

Assay for Testing Packing Materials for Ex-situ Bio-methanation

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Ashraf, M. T. & Schmidt, J. E., 2018, I: *Bioresource Technology*. 249, s. 835-843

Hydrothermal pretreatment and enzymatic hydrolysis of mixed green and woody lignocellulosics from arid regions

Ashraf, M. T., Thomsen, M. H. & Schmidt, J. E., aug. 2017, I: *Bioresource Technology*. 238, s. 369-378

One-dimensional modeling of pervaporation systems using a semi-empirical flux model

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Hydrothermal Pretreatment: Process Modeling and Economic Assessment within the Framework of Biorefinery Processes

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Estimation of Bioenergy Potential for Local Biomass in the United Arab Emirates

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Ashraf, M. T., Torres, A. I., Cybulska, I., Fang, C., Thomsen, M. H., Schmidt, J. E. & Stephanopoulos, G., 25. jun. 2016, *26 European Symposium on Computer Aided Process Engineering, 2016*. Kravanja, Z. & Bogataj, M. (red.). Elsevier Editora, Bind 38. s. 1317-1322 6 s.

**Evaluation of the production of lipids for fuels and proteins from microalgae by decomposition of the processing network:
26 European Symposium on Computer Aided Process Engineering**

Bocheński, T., Torres, A. I., Ashraf, M. T., Schmidt, J. E. & Stephanopoulos, G., 2016, *Computer Aided Chemical Engineering*. Kravanja, Z. & Bogataj, M. (red.). Elsevier Editora, Bind 38. s. 1635-1640 6 s.

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Optimization and Cost-Oriented Comparison of Ammonia- and Propane-Compression Refrigeration for the Recovery of Natural Gas Liquids

Chebby, R., Qasim, M., Darwish, N. A. & Ashraf, M. T., 1. okt. 2013, I: *Energy Technology*. 1, 10, s. 573-580

Process of p-Xylene Production by Highly Selective Methylation of Toluene

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