

Samaneh Fayyaz
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Qualifications

Environmental Engineering & Science, Ph.D., Life Cycle Assessment of Pars Petrochemical Port Loading Operations and Prioritization of Improving Scenarios Based on Gray Relation Model, University of Tehran

23. Sept 2018 → 1. Jan 2023

Award Date: 1. Jan 2023

Environmental Civil Engineering, MSc., The Application of Membrane Technologies in Wastewater Treatment of the Desalting Plant, Tarbiat Modares University

23. Sept 2006 → 24. Oct 2009

Award Date: 24. Oct 2009

Chemical Engineering, BSc., Basic Principle and Design of Multiphase Pumps

31. Jan 2004 → 1. Aug 2006

Award Date: 1. Aug 2006

Employment

Department of Green Technology (IGT)

Odense M

1. Feb 2025 → 31. Aug 2027

Postdoc

SDU Life Cycle Engineering

Odense M

1. Feb 2025 → 31. Aug 2027

Research outputs

Baltic Energy Islands Roadmap: Making Energy Islands a Success

Fayyaz, S. & Nami, H., Dec 2024, 1st ed. 46 p.

Assessing environmental enhancement scenarios in a petrochemical port: A comprehensive comparison using a hybrid LCA-GRM model

Fayyaz, S., Moeinaddini, M., Pourebrahim, S., Khoshnevisan, B., Kazemi, A., Toufighi, S. P., Schjønberg, M. S. & Birkved, M., 15. Mar 2024, In: Journal of Cleaner Production. 445, 141079.

Sustainable end-of-life value chain scenarios for wind turbine blades

Fayyaz, S., Lund, K. W., Khoshnevisan, B., Madsen, E. S. & Birkved, M., 23. May 2023, In: Journal of Physics: Conference Series. 2507, 14 p., 012007.

Sustainable end-of-life value chain scenarios for wind turbine blades

Fayyaz, S. (Illustrator), Lund, K. W., Khoshnevisan, B., Birkved, M. & Madsen, E. S., 25. Apr 2023.

Lifecycle assessment of gas, liquid, container, bulk, and tanker loading in petrochemical Port

Fayyaz, S., Moeinaddini, M., Pourebahim, S., Kazemi, A. & Khoshnevisan, B., Feb 2023, In: Journal of Natural Environment. 75, Special Issue, p. 1-14

Life cycle assessment of reverse osmosis for high-salinity seawater desalination process: Potable and industrial water production

Fayyaz, S., Khadem Masjedi, S., Kazemi, A., Khaki, E., Moeinaddini, M. & Irving Olsen, S., 1. Jan 2023, In: Journal of Cleaner Production. 382, 9 p., 135299.

Chebyshev finite difference method for solving a mathematical model arising in wastewater treatment plants

Saadatmandi, A. & Fayyaz, S., 2018, In: Computational Methods for Differential Equations. 6, 4, p. 448-455 8 p.

Numerical study of oxygen and carbon substrate concentrations in excess sludge production using sinc-collocation method

Saadatmandi, A. & Fayyaz, S., 2018, In: MATCH Communications in Mathematical and in Computer Chemistry. 80, 2, p. 355-368 14 p.

Projects

MAT-FUELS: Assessment of environmental risks in the transition to green fuels in the shipping industry

Fayyaz, S. (Project participant) & Birkved, M. (Project participant)

01/01/2024 → 31/12/2027

DecomBlades: Decommissioning of wind turbine blades at their end of life

Madsen, E. S. (In charge of work packages), Birkved, M. (Project participant), Lund, K. W. (PhD student), Fayyaz, S. (Project participant) & Khoshnevisan, B. (Project participant)

01/01/2020 → 31/12/2023

DECOUPLE: Decoupling of resource consumption and growth in the textile industry

Birkved, M. (Project participant) & Fayyaz, S. (Project participant)

01/11/2023 → 01/11/2025