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Employment

PhD Fellow
AAU Energy
The Faculty of Engineering and Science
Aalborg Øst, Denmark
1 Nov 2020 → 31 Dec 2024

Student job: Lab assistant
Glycom A/S
Esbjerg, Denmark
1 Jan 2018 → 31 Aug 2019

Student Job: Servicestaff
Jysk Fynske Medier, Jyske Vestkysten Esbjerg
Esbjerg, Denmark
1 Sept 2008 → 30 Sept 2020

Research outputs

Halophyte-based Biocides for Mitigation of Microbiologically Influenced Corrosion (MIC) in Industrial Water Systems
Stein, J. L., 15 Jan 2024, (Accepted/In press) *Petroleum Microbiology: The Role of Microorganisms in the Transition to Net Zero Energy.* 1st Edition ed. Boca Raton: Taylor & Francis, p. 154-166 13 p.

MIC mitigation comparison of Halophyte-extract against THPS and Glutaraldehyde: A bechmarking experiment
Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 14 Nov 2023. 1 p.

Halophyte Extract-based Biocide vs. Conventional Biocides: A benchmarking experiment
Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 12 May 2023. 1 p.

Importance of the Multiple Lines of Evidence (MLOE) approach in Diagnosing Microbiologically Influenced Corrosion (MIC)
Stein, J. L., Chaturvedi, T., Skovhus, T. & Thomsen, M. H., 29 Nov 2022.

Optimization of enzymatic hydrolysis for utilization of food waste
Krail, L., Chaturvedi, T., Spedtsberg, E. M. L., Stein, J. L. & Thomsen, M. H., 31 Aug 2022.

Optimization of Extraction Conditions for Production of Halophyte-based Biocides for Microbiologically Influenced Corrosion (MIC) Mitigation
Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 30 Aug 2022.

Clean Biocide Project: Halophyte Extracts as Natural Corrosion Inhibitors in Water Systems
Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 26 Aug 2022.

Effect of Antimicrobial Halophilic Plant Extracts on Microbiologically Influenced Corrosion (MIC)
Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., Mar 2022. 15 p.

Clean Biocide Project: Natural Corrosion Inhibitors Halophilic Plant Extracts for Biofilm Mitigation
Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 2021.

Halophilic Plant Extracts for Prevention of Microbiologivally Influenced Corrosion (MIC)
Chaturvedi, T., Stein, J. L., Skovhus, T. L. & Thomsen, M. H., 2021, p. 20.

The Clean Biocide Project Halophilic plant extracts for prevention of microbiologically influenced corrosion (MIC)
Stein, J. L., Chaturvedi, T., Thomsen, M. H. & Skovhus, T. L., 2021.

Activities

DTU Offshore Young Researchers' Day 2023
Jakob Lykke Stein (Participant)
12 May 2023

Halophyte Extract-based Biocide vs. Conventional Biocides
Jakob Lykke Stein (Lecturer)
12 May 2023

CLEAN BIOCIDE Project; Corrosion Inhibitors from Halophilic Biomass
Jakob Lykke Stein (Lecturer)
29 Nov 2022

DTU Offshore Technology Conference
Jakob Lykke Stein (Participant)
29 Nov 2022 → 30 Nov 2022

EUROCORR 2022
Jakob Lykke Stein (Participant)
28 Aug 2022 → 1 Sept 2022

COST Conference: Microbiologically influenced Corrosion
Jakob Lykke Stein (Participant)
26 Aug 2022 → 27 Aug 2022

EFC Corrosion Summer School 2022
Jakob Lykke Stein (Participant)
25 Aug 2022 → 27 Aug 2022

Clean Biocide Project presentation at IWA Biofilms 2021
Jakob Lykke Stein (Lecturer)
7 Dec 2021

IWA Biofilms 2021 Virtual Conference
Jakob Lykke Stein (Participant)
6 Dec 2021 → 8 Dec 2021

DHRTC Technology Conference 2021
Jakob Lykke Stein (Participant)
16 Nov 2021 → 17 Nov 2021

Clean Biocide project
Jakob Lykke Stein (Lecturer)
7 May 2021

Young Researcher Day 2021 - DHRTC
Jakob Lykke Stein (Participant)
7 May 2021

Prizes

DHRTC Technology Conference 2021: Best Poster
Stein, Jakob Lykke (Recipient), 17 Nov 2021

Projects

Halophilic Plant Extracts as Natural Corrosion Inhibitors and Biocides for Oil Field Application
Stein, J. L., Thomsen, M. H. & Skovhus, T. L.
01/01/2022 → 31/12/2024