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## **Ansættelse**

### **Ph.d.-stipendiat**

AAU Energi  
Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 nov. 2020 → 31 dec. 2024

### **Studiejob: Laboratorieassistent**

Glycom A/S  
Esbjerg, Danmark  
1 jan. 2018 → 31 aug. 2019

### **Studiejob: Servicemedarbejder**

Jysk Fynske Medier, Jyske Vestkysten Esbjerg  
Esbjerg, Danmark  
1 sep. 2008 → 30 sep. 2020

## **Publikationer**

### **Halophyte-based Biocides for Mitigation of Microbiologically Influenced Corrosion (MIC) in Industrial Water Systems**

Stein, J. L., 15 jan. 2024, (Accepteret/In press) *Petroleum Microbiology: The Role of Microorganisms in the Transition to Net Zero Energy*. 1st Edition udg. Boca Raton: Taylor & Francis, s. 154-166 13 s.

### **MIC mitigation comparison of Halophyte-extract against THPS and Glutaraldehyde: A benchmarking experiment**

Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 14 nov. 2023. 1 s.

### **Halophyte Extract-based Biocide vs. Conventional Biocides: A benchmarking experiment**

Stein, J. L., Chaturvedi, T., Skovhus, T. L. & Thomsen, M. H., 12 maj 2023. 1 s.

### **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 s.

### **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 Microbiologically Influenced Corrosion (MIC)**

Chaturvedi, T., Stein, J. L., Skovhus, T. L. & Thomsen, M. H., 2021, s. 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.

## **Aktiviteter**

### **DTU Offshore Young Researchers' Day 2023**

Jakob Lykke Stein (Deltager)

12 maj 2023

### **Halophyte Extract-based Biocide vs. Conventional Biocides**

Jakob Lykke Stein (Foredragsholder)

12 maj 2023

### **CLEAN BIOCIDES Project; Corrosion Inhibitors from Halophilic Biomass**

Jakob Lykke Stein (Foredragsholder)

29 nov. 2022

### **DTU Offshore Technology Conference**

Jakob Lykke Stein (Deltager)

29 nov. 2022 → 30 nov. 2022

### **EUROCORR 2022**

Jakob Lykke Stein (Deltager)

28 aug. 2022 → 1 sep. 2022

### **COST Conference: Microbiologically influenced Corrosion**

Jakob Lykke Stein (Deltager)

26 aug. 2022 → 27 aug. 2022

### **EFC Corrosion Summer School 2022**

Jakob Lykke Stein (Deltager)

25 aug. 2022 → 27 aug. 2022

### **Clean Biocide Project presentation at IWA Biofilms 2021**

Jakob Lykke Stein (Foredragsholder)

7 dec. 2021

### **IWA Biofilms 2021 Virtual Conference**

Jakob Lykke Stein (Deltager)

6 dec. 2021 → 8 dec. 2021

### **DHRTC Technology Conference 2021**

Jakob Lykke Stein (Deltager)

16 nov. 2021 → 17 nov. 2021

### **Clean Biocide project**

Jakob Lykke Stein (Foredragsholder)

7 maj 2021

### **Young Researcher Day 2021 - DHRTC**

Jakob Lykke Stein (Deltager)

7 maj 2021

## **Priser**

### **DHRTC Technology Conference 2021: Best Poster**

Stein, Jakob Lykke (Modtager), 17 nov. 2021

## **Projekter**

### **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