

Jonas Niemann
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Short presentation

Twitter: @JonasNiemann

Chemist with a speciality in the didactics of science, who after working 6 years as a Chemistry Teacher in upper secondary, has returned to the Department of Science Education at the University of Copenhagen.

Apart from my teaching and research activities, I'm a YouTuber on the Danish educational channel Gymnasiekemi, focused on Chemistry in upper secondary school.

Projects

GATE - Gender Aware Teaching for Equity in Science and Engineering

2022-2026

Supported by the Poul Due Jensen Foundation

Ph.D. fellowship

Series of educational videos for A-level Chemistry

2022-2025

Supported by the Novo Nordisk Foundation

Project leader

IUPAC Chemistry Teacher Survey

2023-2025

Supported by IUPAC Committee on Chemical Education
Country Coordinator for Denmark

Qualifications

Chemistry Education, PhD, University of Copenhagen
1 Sep 2022 → ...

Master of Science, Chemistry, University of Copenhagen
Award Date: 7 Jul 2022

Visits

University of Michigan, Ann Arbor

Niemann, Jonas (Visiting researcher)
1 Apr 2024 → 1 Jun 2024

Employment

Ph.D fellow

PhD fellow

Department of Science Education

København N., Denmark

31 Aug 2022 → nu

Teaching assistant

Teacher's Assistant

Department of Chemistry
København Ø, Denmark
1 Sep 2014 → 3 Oct 2015

Secondary school teacher

Gentofte HF
Gentofte, Denmark
1 Aug 2016 → 31 Jul 2022

Research outputs

How Upper Secondary Students Figure Chemistry

Niemann, Jonas, Madsen, Lene Møller & Holmegaard, Henriette Tolstrup, 24 Jul 2024, (E-pub ahead of print) In: Chemistry Education Research and Practice. 22 p.

Formation of Disciplinary Science Identities in Upper Secondary School

Niemann, Jonas, 20 Mar 2024. 5 p.

"I feel like a real chemist right now": Epistemic affect in the chemistry laboratory

Agustian, Hendra Y., Gammelgaard, Bente, Rangkuti, Muhammad Aswin & Niemann, Jonas, Mar 2024, (Submitted) In: Science Education.

Didaktisering af elevøvelser

Niemann, Jonas, 1 Dec 2023, In: LMFK-Bladet. 45, 4, p. 30-31 2 p.

Differences of Disciplinary Identities of Upper Secondary School Students

Niemann, Jonas, 2023. 1 p.

GENDER EQUITY IN CHEMISTRY & TECHNOLOGY

Niemann, Jonas, 2023. 1 p.

Induktiv tilgang – intermolekylære kræfter

Niemann, Jonas, 2023, In: LMFK-Bladet. 3, p. 60-61 2 p.

Kememes - fagspecifik humor

Niemann, Jonas, 2023, In: LMFK-Bladet. 45, 1, p. 34-37

Flyder dåsen? – videnskabsteori fra første dag

Niemann, Jonas, 2022, In: LMFK-Bladet. 44, 2, p. 32-35 3 p.

Noter - Kemi C: Gymnasiekemi

Niemann, Jonas, 2022, 25 p.

Opvarmning – bedre lektionsstart og talt fagsprog

Niemann, Jonas, 2022, In: LMFK-Bladet. 44, 3, p. 57-59 3 p.

Noter - Kemi B

Niemann, Jonas, 2020, 33 p.

Membership

Advisory board member, Project: "Because Chemistry is the Solution of the Future"

Niemann, Jonas (Consultant)

2024 → 2025

Danish Chemical Society's Committee for Nomenclature (External organisation)

Niemann, Jonas (Member)

Dec 2023 → ...

LMFK-Bladet (Journal)

Niemann, Jonas (Member of Editorial Board)

Nov 2023 → ...

Kemilæreforeningen (External organisation)

Niemann, Jonas (Board member)

2020 → ...

Prizes

Travel Grant, Knud Højgaard Foundation - 8.500DKK

Niemann, Jonas (Recipient), 2024

Travel grant, William Demant Foundation - 9.000DKK

Niemann, Jonas (Recipient), 2024

Outreach

Chemistry, Education, and Careers

Niemann, Jonas (Speaker)

19 Apr 2024

How to Succeed in Chemistry

Niemann, Jonas (Other)

12 Mar 2024

KiKoF 2024 - Biosolutions

Niemann, Jonas (Organizer)

29 Feb 2024 → 1 Mar 2024

Changes in the Implied Student

Niemann, Jonas (Speaker)

28 Feb 2024

Why is Gender Relevant for Teachers in Mathematics, Physics, and Chemistry

Niemann, Jonas (Speaker), Holmegaard, Henriette Tolstrup (Speaker) & Gertz, Emilie (Speaker)

24 Nov 2023

Workshop: Microscale Chemistry

Niemann, Jonas (Speaker)

24 Nov 2023

Student Experiments Through a Didactical Lens

Niemann, Jonas (Speaker) & Agustian, Hendra (Speaker)

15 Nov 2023

Student Experiments Through a Didactical Lens

Niemann, Jonas (Speaker)

9 Nov 2023

Student Participation in Upper Secondary School

Niemann, Jonas (Speaker)

20 Sep 2023

Science Communication with Memes

Niemann, Jonas (Speaker)

14 Aug 2023

Inquiry-based Science Teaching in Practice

Madsen, Lene Møller (Speaker) & Niemann, Jonas (Speaker)

17 May 2023

Big Bang 2023

Niemann, Jonas (Workshop leader)

22 Mar 2023

Inquiry-based Science Teaching in Practice

Madsen, Lene Møller (Speaker) & Niemann, Jonas (Other)

3 Feb 2023

How can Digital Aids Strengthen Diverse Teaching in Upper Secondary School?

Niemann, Jonas (Panel member)

10 Nov 2022

Production of Chemistry Teaching Material for the Sustainable Development Goals

Niemann, Jonas (Participant)

2021

YouTube'er

Niemann, Jonas (Participant)

2016 → ...

Press/Media

Vil lokke flere kvinder ind i naturfag

Jonas Niemann

13/09/2023

1 Media contribution

Eksamener på hf giver problemer: Hf-sektoren ønsker ændringer

Jonas Niemann

20/03/2023

1 Media contribution

Hvad er klik-kemi?

Jonas Niemann

26/10/2022

1 Media contribution