

## Publikationer

### **Innovative Learning for Sustainability: Sustainable Mindset Attributes through Challenge-Based Learning and Industry Collaboration**

Ruge, G., Ranito, J. & Guerra, A., 2025, (Afsendt) I: Journal of Cleaner Production.

### **Academic Leadership for All: A Systems Thinking Approach to Pedagogical Development and Professional Learning for Engineering Educators**

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### **Creating Student-Centric Learning Environments Through Evidence-Based Pedagogies and Assessments**

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### **Educational Strategies for Sustainable Futures: Revealing the Priorities and Perspectives of Engineering Students**

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### **Examining Engineering Design Students' Perceptions of Agency for Sustainability in a Problem- and Project-based Learning (PBL) Context - A Q Methodology Study**

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### **Engineering educators' professional learning for educational change in a PBL-base and cross-institutional programme in Africa: a Q-study**

Nørgaard, B., Chen, J., Smink, C. K., Guerra, A. & Du, X., 3 mar. 2024, I: European Journal of Engineering Education. 49, 2, s. 236-256 21 s.

### **Do good intentions lead to expected outcomes? Professional Learning Amongst Early Career University Academics in a PBL-Based Program**

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**An Exploration of Sources Fostering First-year Engineering Students' Academic Well-Being in a PBL Environment**  
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## **Projekter**

### **Advanced PBL Training in Problem Design and Facilitation Skills: Lodz University of Technology**

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01/01/2020 → 30/06/2020

### **Analysis of sustainability competences developed by engineering students in a Project-based Learning environment.**

d'Escoffier, L. N. (PI (principal investigator)), Matos Lopes, R. (Supervisor) & Guerra, A. (Supervisor)



01/11/2022 → 31/08/2025

**Building Emotional Intelligence in an PBL environment through Empathy and Teamwork.**

Guerra, A. (PI (principal investigator)), Ejsing-Duun, S. (PI (principal investigator)) & Telléus, P. K. (PI (principal investigator))

01/01/2025 → 31/12/2025

**Collaboration, leadership, sand sustianability in higher education: How universities operate and align sustianability in education**

Christiansen, S. H. (PI (principal investigator)), Du, X. (Supervisor) & Guerra, A. (Supervisor)

01/03/2022 → 01/03/2025

**Early career engineers' preparedness for transition to work**

Markman, A. O. (PI (principal investigator)), Du, X. (PI (principal investigator)), Nørgaard, B. (PI (principal investigator)), Guerra, A. (PI (principal investigator)) & Agerkvist, I. E. (PI (principal investigator))

01/01/2025 → ...

**eee4SD: Empathic engineering education for sustainable development**

Direito, I. (PI (principal investigator)), Guerra, A. (Col (co-investigator)), Gabriel, B. (Col (co-investigator)), Valente, R. (Col (co-investigator)) & Bairaktarova, D. (Col (co-investigator))

01/01/2025 → 30/06/2026

**Enhancing Institutionalized Transformation through Design, Implement and Evaluate a PBL Pedagogical Development Certificate Program for HITAM, India**

Du, X. (PI (principal investigator)), Chen, J. (CoPI), Guerra, A. (CoPI) & Hansen, S. (CoPI)

15/03/2024 → 31/12/2027

**Integration of Sustainable Development in Engineering Education**

Guerra, A. (Projektdeltager) & Holgaard, J. E. (Projektdeltager)

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**Involving and engaging students to become agentic co-creators in mission-driven innovation processes at AAU**

Christiansen, S. H. (PI (principal investigator)), Guerra, A. (CoPI), Vestergaard, J. (Col (co-investigator)), Lukassen, N. B. (Col (co-investigator)) & Stegeager, N. (Col (co-investigator))

01/01/2025 → 31/12/2027

**PBL Pedagogical Program for Institutional Transformation (India)**

Du, X. (PI (principal investigator)), Guerra, A. (PI (principal investigator)), Lyngdorf, N. E. (Col (co-investigator)), Chen, J. (Col (co-investigator)), Ulseth, R. (Col (co-investigator)) & Jonhson, B. (Col (co-investigator))

22/08/2022 → 31/07/2025

**Pedagogical development and Learning: A training program for University of Foggia**

Guerra, A. (PI (principal investigator))

01/06/2022 → 31/03/2023

**Professional Learning and Development for PBL and Course Design: Universidad del País Vasco UPV/EHU**

Guerra, A. (PI (principal investigator))

01/10/2018 → 30/09/2019

**Professional Learning and Development on PBL and Higher Education: CATZ Poland 2023**

Guerra, A. (PI (principal investigator)), Du, X. (CoPI) & Lindsay, E. (CoPI)

01/04/2023 → 30/04/2024

**Retention and Drop out amongst 1 year bachelor students at the Faculty for Engineering and Science**

Bøgelund, P. (PI (principal investigator)), Kolmos, A. (PI (principal investigator)), Bylov, S. M. (Col (co-investigator)) & Guerra, A. (Col (co-investigator))

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**ENVIHEI: Student-centered learning for ENVironmental sustainability at Higher Education Institutions**

Guerra, A. (PI (principal investigator)), Jiang, D. (Col (co-investigator)) & Palomares, A. (PI (principal investigator))  
01/12/2024 → 30/11/2026

**Supporting university student proactivity for social and academic well-being: What PBL can do**

Chen, J. (PI (principal investigator)), Hansen, S. (PI (principal investigator)), Velmurugan, G. (PI (principal investigator)), Fink, T. (PI (principal investigator)), Lyngdorf, N. E. (Col (co-investigator)), Søndergaard, B. D. (Col (co-investigator)), Markman, A. O. (PI (principal investigator)), Guerra, A. (Col (co-investigator)), Du, X. (Col (co-investigator)), Stegeager, N. (Col (co-investigator)) & Telléus, P. K. (Col (co-investigator))  
01/01/2025 → 31/12/2025

**The ECIU University**

Guerra, A. (Kontaktperson)  
01/11/2020 → 31/10/2022

**Aalborg Certificate on Basics of PBL and Curriculum Change: Colombia 2018**

Guerra, A. (PI (principal investigator)), Spliid, C. M. (CoPI), Ulseth, R. (Andet) & Kolmos, A. (CoPI)  
01/03/2018 → 28/02/2019

**Aalborg Certificate on Basics of PBL and Curriculum Change: NEU 2018/ 2019**

Kolmos, A. (PI (principal investigator)), Zhou, C. (PI (principal investigator)), Guerra, A. (CoPI) & Chen, J. (Col (co-investigator))  
01/03/2018 → 31/12/2021

**Aalborg Certificate on the Basics of PBL and Curriculum Change: Colombia 2021**

Guerra, A. (PI (principal investigator)), Du, X. (CoPI), Nørgaard, B. (Col (co-investigator)), Lyngdorf, N. E. (Col (co-investigator)), Ulseth, R. (Col (co-investigator)) & Jonhson, B. (Col (co-investigator))  
21/10/2021 → 31/05/2023