

## Teaching portfolio

**1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.**

Teaching experience at MSc courses:

1) Biomass Conversions and Biofuels: It is a 5 ECTS elective course, taught to 9th semester master students.

Teaching experience at Industrial/PhD courses:

1) Liquefaction of Biomass Fundamentals and Practice: It is a 3 ECTS regular course, taught to regular university and industrial Ph.D. students.

**2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.**

**3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc**

University pedagogical qualification:

- 1) Pedagogy Course for Assistant Professors (2023)
- 2) PBL principles in practice: 'The problem as starting point'
- 3) Basic Course in Higher Education Pedagogy
- 4) Basic course with focus on PBL, AAU-model
- 5) PBL-intro for D-VIP

Supervision of master students:

- 1) This semester, at Aalborg University, I am supervising a group of 4 master (2nd semester) students for their thesis project on CO<sub>2</sub> capturing.
- 2) I have guided 8 M.Sc. (master) students for their master thesis project.
- 3) I have supervised one final year master (M.Sc.) student in the thesis project entitled "Facile Synthesis of Silver Nanoparticles and their Catalytic Activity for the Reduction of Nitroaromatics".
- 4) At Aalborg University, I was the Co-supervisor of a 9th semester master student in 'Investigation of HTL and pyrolysis biocrudes emulsification with fossil crude to produce refinery drop-in bio-fuel' project.

**4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.**

- 1) I participated in the ShareENG workshop about Knowledge Sharing on Teaching Practices.
- 2) I attended a teaching seminar focused on the research-based teaching activities at the Department of Energy at Aalborg University.
- 3) I have also participated in the workshop about video lectures.

**5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development.**

**Didactic and pedagogical research. Cooperation with external collaboration partners.**

Type your answer here...

**6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.**

Type your answer here...

**7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)**

1. I am currently taking a university pedagogical course for assistant professors at Aalborg University in which I have identified a pedagogical challenge, which I will address through the entire course with the aim of developing research-based pedagogical competence.

2. Instant feedback (opposed to periodically) after the lecture to ensure effective understanding and learning of students.

3. Flipped classroom to increase the student's engagement and learning by having readings at home and work on live problem-solving during the class time.

**8. Any other information or comments.**

Type your answer here...