

Literature Search on Modelling Studies of Methane Oxidation

The student will be responsible for conducting a comprehensive literature search focused on model-ling studies of methane oxidation. This task involves identifying, reviewing, and summarizing peer-reviewed journal articles, conference papers, and relevant reports that explore the reaction kinetics and mechanisms, and simulation techniques used to describe the total oxidation of methane. Emphasis should be placed on chemical kinetics and reactor modelling studies. The student needs to compile the findings into an organized summary that highlights key modelling methodologies, commonly applied reaction mechanisms, parameter estimation techniques, and gaps or limitations exist in the current scientific literature. The outcome of this work will be a structured annotated bibliography and a concise synthesis report that will lay the foundation for future modelling studies within our research group.

Requirements:

Independent work
Interest in literature search and screening

Type:

Semesterarbeit, Forschungspraktikum (Published on 10/10/2025)

No one ever said, "I love writing lit reviews!". But who knows – your work here might end up in a publication one day!

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