



I completed my undergraduate studies in Chemical Engineering at the University of Patras (Greece) and studied for an MRes in Molecular Science and Engineering at Imperial College London. My past research has focused on molecular modelling of rheology and chain dynamics in ring polymers, as well as on CFD modelling of continuous-flow photochemistry in microreactors.

In January 2021, I joined the SynTech CDT program and Sustainable Reaction Engineering (SRE) group with Prof. Alexei Lapkin. I am broadly interested in integrating synthetic chemistry, computer science and automation, and SynTech CDT can help me develop the multidisciplinary research skills needed for my research.

My PhD is in collaboration with BASF and my research will address key questions in relation to reliable and routine scale-up of continuous flow multiphase processes. In the context of establishing a generic workflow, nitration of toluene is going to serve as the reactive chemical system. The focus will be on generating efficient data through automated small-scale experiments, as well as on developing a model-based DoE approach for parameter estimation.

Publications:

<https://doi.org/10.3390/polym11071194>

<https://doi.org/10.3390/polym12040752>