Tom Kuster

Master Student Chemistry

I am an enthusiastic and curious chemist, passionate about learning and discovering new insights in the field of chemistry

Personal Information

6 Dec 1999, Maastricht
The Netherlands

Languages

English - *Fluent*
Dutch - *Native*
German – *Intermediate*

Specializations

Peptide Synthesis
Polymer Synthesis
Photochemistry
Matlab / Python

Activities

First Aid Certificate

Volunteer Trainer
HSV CHEETHAS

Education

2021 – Current
Master Chemical Engineering and Chemistry
Technical University of Eindhoven, The Netherlands
Master thesis at university Freiburg with Dr. T. Schnitzer on: "Kinetic Resolution of Chiral Carboxylic Acid derivatives with Peptidic Organocatalysts"
Average grade: 8.4 / 10

2018 – 2021
Bachelor Chemical Engineering and Chemistry
Technical University of Eindhoven, The Netherlands
Bachelor thesis at TU Eindhoven with Dr. F. Eisenreich on: "Photoredox-Catalyzed Reduction of Halogenated Arenes in Water by Amphiphilic Polymer Nanoparticles"
IchemE accreditation
Average grade: 8.1 / 10 **CUM LAUDE**

2012 – 2018
Voorbereidend Wetenschappelijk Onderwijs (VWO)
Graaf Huyn College, The Netherlands
"Nature en Technique" and "Nature en Health" with Economics
Average grade: 8.3 / 10 **CUM LAUDE**

Work Experience

Feb 2023 – Jun 2023
Industrial Internship GNT Mierlo, The Netherlands
Performing product stability improvement test on plant-based food colorants

Sep 2022 – Jan 2023
Student Assistant of Prof. Ž. Tomović, TU Eindhoven
Synthesis and characterization of monomers for novel properties in polymers

Feb 2022 – Aug 2022
Student Assistant of E.W. Meijer, TU Eindhoven
Design, synthesis and characterization of supramolecular polymers with novel applications

Publication

Photoredox-Catalyzed Reduction of Halogenated Arenes in Water by Amphiphilic Polymeric Nanoparticles
F. Eisenreich, T.H.R. Kuster, D. van Krimpen, A.R.A. Palmans
Molecules **2021**, 26, 5882
Link: *https://doi.org/10.3390/molecules26195882*