



SERVIÇO PÚBLICO FEDERAL  
MINISTÉRIO DA EDUCAÇÃO  
UNIVERSIDADE FEDERAL DE UBERLÂNDIA  
FACULDADE DE ENGENHARIA MECÂNICA



Uberlândia, September, 20<sup>th</sup> of 2023

To whom it may concern.

I, João Marcelo Vedovotto, Associate professor at the School of Mechanical Engineering of the Federal University of Uberlândia, Uberlândia, MG, Brazil, hereby attest that **Laura Pereira de Castro** was my advisee during the school years of 2019-2021. at the Fluid Mechanics Laboratory – MFLab, headed by me. Laura is one of the brightest students I had the pleasure of working with. During the time spent in the MFLab, it was possible to note that she's a hardworking curious researcher, with a very strong inclination to advance studies. As a result of such a drive had as result the publication of a research paper at the prestigious journal Physics of Fluids (doi.org/10.1063/5.0045873). Something unusual for an undergrad student.

Laura was also a junior researcher in a joint project between the Federal University of Uberlândia and Petrobras, a multinational state-owned Brazilian oil and gas company, until December 2020. Under this project, Laura was granted a scholarship to support her developments. She was responsible for testing micromixing models in Transported PDF methods models in a numerical framework called MFSim, capable of simulating multiphase-multicomponent turbulent flows.

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