



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



Uberlândia, September, 20th 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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