



# CERTIFICATE

We certify that *Karen Susana Manjarrez Madera* participated in the course **"Plant Basic Metabolomics"** given by **Professor Dr. Young Hae Choi** (Natural Products Laboratory, Institute of Biology, Leiden University, Leiden, Netherlands), held by the Graduate Program in Chemistry at UFSCar, in partnership with the Natural Products Division of the Brazilian Chemical Society, from **October 16th to 20th, 2023**, with a workload of **16 (sixteen)** hours.



*Vanessa Gisele Pasqualotto Severino*

**Profa. Dra. Vanessa G. Pasqualotto Severino**

Diretora da Divisão de Produtos Naturais  
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