



Bruno Colling Klein

Brazilian Bioethanol Science and Technology Laboratory (CTBE – Campinas, Brazil)

Chemical Engineer from the Federal University of Rio Grande do Sul, Brazil (2010), Multidisciplinary Engineer from the Ecole Centrale de Lille, France (2010), Master and Doctor in Chemical Engineering from the University of Campinas, Brazil (2013 and 2018). Currently, Bruno works in the Division of Process Intelligence of the Brazilian Bioethanol Science and

Technology Laboratory (CTBE, in Campinas, Brazil), where he develops studies on the integration between sugarcane mills and other industrial plants for the establishment of innovative biorefineries. His main interest areas include: production of renewable jet fuel and other advanced biofuels; cultivation and processing of microalgae biomass; thermochemical processing of biomasses; and both process modeling and simulation, ultimately aiming at the sustainability assessment (economic, environmental, and social impacts) of the biomass production and transformation chain.