Ana Luísa Castro



Chemical and Environmental Engineering Student

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Stage de 6 mois — Available from February 2027

Profil professionnel

Chemical and environmental engineering student with experience in experimental bioprocess research and project management. Interested in process development and optimization, resource recovery, and their industrial applications.

Formation

Third Year of Engineering Programme — Environmental Engineering · École nationale supérieure de chimie de Rennes (ENSCR)
Since September 2026

Master's Programme in Chemical Engineering · Universidade Federal dos Vales do Jequitinhonha e Mucuri (UFVJM) — Brazil
Since September 2024

Bachelor's Degree in Science and Technology (17.2/20) · UFVJM — Brazil
September 2021 – September 2024

Expériences professionnelles et associatives

Biotechnology and Bioprocess Intern · UFVJM — Brazil
May 2024 – August 2025 · Microbial Prospecting and Bioprocesses Research Group

- Investigation of carbon sources for second-generation (2G) bioethanol production using *Sugiyamaella akabanensis*.
- Study of sorghum hydrolysate supplementation for ethanol and xylitol production.
- Optimization of culture conditions, fermentation trials, and analysis of experimental results.
- Presentation of research at the 16th Brazilian Congress of Scientific Initiation in Chemical Engineering (July 2026) and the 4th UFVJM–UFU Biofuels Workshop (April 2025).

Team Lead, then Vice-President · AVANÇO PROJETOS & CONSULTORIA — Brazil
January 2022 – December 2025 · Junior Enterprise

- Team coordination, human resources management, and performance monitoring.
- Contribution to organizational strategy and management of acquisition and communication campaigns.

Compétences techniques

Bioprocédés : Unit operations, fermentation, microorganisms (yeasts & bacteria), second-generation bioethanol
Analyse et outils numériques : Excel, Sisvar, Scilab
Organisation : Team coordination, PDCA, FMEA, 5M method, project management

Langues

Portuguese : Native **English** : C1 **French** : B2

Distinction

Academic Excellence Award — UFVJM, Brazil, 2024.

Centres d'intérêt

Gastronomy, Surrealist Art, Handball, Language Learning