

Mateus Galdino Cardoso

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Professional goals

Technician in Environmental Sciences for Escola Técnica Estadual de São Paulo and student of the Chemistry with Emphasis in Environmental Chemistry course at University of São Paulo, graduated in Chemistry with a specialization in Biochemistry and Molecular Biology and Chemistry Teaching by the same university, looking for opportunities in schools, industries and universities

Academic background

- Bachelor in Chemistry with Emphasis in Environmental Chemistry | Currently | University of São Paulo
- Bachelor in Chemistry with Emphasis in Biochemistry and Molecular Biology | December of 2019 | University of São Paulo
- Bachelor in Chemistry Teaching | December of 2019 | University of São Paulo
- Technician in Environmental Sciences | July of 2013 | Escola Técnica Estadual de São Paulo

Professional experience

BILINGUAL TEACHING ASSISTANT OF SCIENCES/CHEMISTRY - MIDDLE AND HIGH SCHOOL- BEIT YAACOV SCHOOL | CURRENTLY

- Assist and supervise, in English, students during classes.
- Assist High School students related to International Baccalurate (IB) program in their research projects.
- Assist students with data analysis and experimental design.

SCIENTIFIC INITIATION STUDENT - IPEN | CURRENTLY

- Development of a systematic review project about radionuclides biosorption.
- Reading of the field literature
- Data analysis using R language.

TECHNICIAN - CHEMISTRY INSTITUTE OF THE UNIVERSITY OF SÃO PAULO - INTERN | MARCH OF 2020 - JANUARY OF 2021

- Supply the needs of the research laboratories of the institution.
- Direct contact with the administrative section of the institution
- Direct contact with companies, asking for price quotes for the laboratories demands.
- Analysis of those quotes and sending of the selected ones to the institutions responsables for the order completion.

SCIENTIFIC INITIATION STUDENT – LABORATORY OF MODIFIED LIPIDS OF IQ - USP | AUGUST OF 2019 – DECEMBER OF 2019

- Development of a short - term research project, focusing on the study of superoxide dismutase (SOD) aggregation in the presence of products of lipid oxidation, target processes associated with the development of neurodegenerative diseases.
- Reading of the field literature
- Conduction of experiments such as: cholesterol oxidation, characterization of the products of this reaction using chromatography (TLC e HPLC), planning and execution of kinetic assays of aggregation using Thioflavin T fluorescence as the measurement reference.
- Data analysis of the results.
- Report writing to IQ - USP.

SCIENTIFIC INITIATION STUDENT – LABORATORY OF ENZYMOLOGY OF IQ - USP | FEBRUARY OF 2015 – AUGUST OF 2017

- Development of a research project, funded by CNPq, focusing on the study of the efficiency of mutant enzymes (cellulases) in cellulose degradation processes when compared to their respective wild - type ones.
- Reading of the field literature.
- Conduction of experiments such as: expression and purification of proteins, characterization of the products of the purification process by electrophoresis SDS - Page, planning and execution of kinetic enzymatic assays regarding cellulose degradation.
- Data analysis of the results
- Report writing for IQ - USP and CNPq.
- Presentation of the results at the 25° International Symposium of Scientific Initiation of USP (SIICUSP)

General Skill

INFORMATICS

- Microsoft Word: advanced
- Microsoft Power Point: advanced
- Microsoft Excel: advance. Intermediate level skills in VBA for task automation and informative dashboards. Certified by Udemy.
- R language: intermediate/advanced. Skills in data analysis, focusing on graphic analysis. Certified by Udemy.
- Python: intermediate
- Microsoft Power BI: intermediate. Skills in dashboard elaboration and dynamic reports. Certified by Udemy.

LANGUAGES

- English: Advanced. TOEFL scores: 110 (Reading: 30, Writing: 28, Listening: 27, Speaking: 25)
- Spanish: Intermediate/Advanced
- French: Intermediate