



CONTACT



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PUBLICATIONS

Screening of Agricultural Waste with Potential for Biodiesel Production

Undergraduate Thesis

2023
LA PAZ, BOLIVIA

Chapter 9 - The future of Environmental and Alternative Energies Engineering

I contributed to the book entitled "The Future of Knowledge 2023-2030 Engineering and Architecture Faculty"

2024
COCHABAMBA, BOLIVIA

SOFT SKILLS

1. Leadership.
2. Effective and Scientific Communication.
3. Emotional Intelligence.

TECHNICAL SKILLS

1. Biomass characterization.
2. Biofuels production.
3. Analytical Chemistry.
4. Natural products research.

LANGUAGES

SPANISH - Native language
ENGLISH - TOEFL iBT C1 - (101/120)
FRENCH - DELF B2
ITALIAN - A1

A. Daniel Montoya Chávez

Petroleum and Natural Gas Engineer

About me

Fueling the future with bioproducts, natural products and bioenergy research—that's where my heart lies. As a Petroleum Engineer diving into the realm of biofuels, I blend meticulous chemical analysis with a passion for research.

EDUCATION

Bachelor of Petroleum and Natural Gas Engineering

Universidad Privada Boliviana (UPB)

2014 - 2023

Website <https://www.upb.edu.bo/>

La Paz, Bolivia

WORK EXPERIENCE

Chemistry and Processes Laboratory Manager

09/2022 - up to date

La Paz, Bolivia

Universidad Privada Boliviana

Obtention of bioethanol from organic waste

I designed a laboratory protocol that facilitates learning and theoretical-practical relationships, in obtaining bioethanol on a laboratory scale, through acid hydrolysis, refractometry and UV spectroscopy, achieving a conversion efficiency of 70%, compared to the theoretical value.

Teaching experimental and theoretical courses

I developed experimental laboratory practices for the Environmental and Renewable Energies Engineering and Bioengineering in Natural Resources undergraduate programs, along with the teaching of the theoretical background.

Laboratory Quality Control Responsible

04/2022 - 09/2022

La Paz, Bolivia

Universidad Privada Boliviana

- Organization, inventory, and coding of equipment, materials, and consumables.
- Quoting, requesting, purchasing, and tracking procedures for the acquisition of equipment, materials, and reagents.
- Recording purchased materials, equipment, and reagents.
- Recording laboratory standards.
- Performing preventive and corrective maintenance of equipment and materials.
- Internal and external control of equipment and material calibration.

PRESENTATIONS

Summit Climate Change Adaptation through Place Based Science	10/2024
Guest Speaker	La Paz, Bolivia

ADDITIONAL INFORMATION

Continous Education and Training

Universidad Internacional de la Rioja	07/2024
Generative Artificial Intelligence Applied to Education	La Rioja, Spain
Universidad Privada Franz Tamayo	04/2024
Diploma in Quality Management for Testing and Calibration Laboratories Based on NB-ISO/IEC 17025:2018	La Paz, Bolivia
Universidad Mayor de San Andrés	12/2023
Diploma in Higher Education and University Teaching	La Paz, Bolivia
Centro de Investigación Científica de Yucatán	11/2023
Natural Products Research Techniques	Merida, Mexico
Universidad Privada Boliviana	12/2022
Emotional Intelligence Expert	Merida, Mexico
France Université Numérique - Université de Lille	12/2021
Advanced NMR Spectroscopy	Lille, France
Centro de Investigaciones Fitoquímicas - Universidad Privada Boliviana	07/2018
Internship/ Trainee	La Paz, Bolivia
Centro de Investigaciones Fitoquímicas - Universidad Privada Boliviana	07/2017
Internship/ Trainee	La Paz, Bolivia