EMPOWERING WOMEN IN THE SPACE RESEARCH LANDSCAPE: INSIGHTS FROM CAPACITY BUILDING IN UNIVERSIDAD CATÓLICA BOLIVIANA

September 29th, 2023
Baku-Azerbaijan
Bolivia

Location Map of Bolivia in World

Tiwanaku

Morenada

Uyuni
In 2015, the award went to Universidad Católica Boliviana. The objective of their experiment is to examine and evaluate the property of an alloy of Nickel and Titanium "Nitinol" under the microgravity environment.

In 2020, the award went to Universidad Católica Boliviana "San Pablo" team. The objective is to determine the 3D printing feasibility, measure intra-structure remaining liquid resin after light exposure, and compare manufacturing time, amount of used material while processing in 2 different approaches.

The 2nd round of HyperGES opportunity opened in May 2022 and closed in November 2022. Teams from Universidad Católica Boliviana "San Pablo" of Bolivia and Macau University of Science and Technology of Macao, China, were selected as the awardees in the 2nd round.
Understanding space anemia: effect of hyper gravity in erythrocytic osmotic fragility.

What is our project about?
3625 m.a.s.l.

-28 m.u.s.l.

At launching astronauts are exposed up to 7 G
# Capacity building at UCB

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<tr>
<th>Individual</th>
<th>For students</th>
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<td></td>
<td><em>Improvement of lab performance</em></td>
<td><em>Proposal writing</em></td>
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<td><em>Curiosity</em></td>
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<td><em>Responsability</em></td>
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<td><em>Writing and oral presentations</em></td>
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<td><em>Team work</em></td>
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<td><em>English practice</em></td>
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Capacity building at UCB

Organizational

Subject/Carrer
* Auditing students in Biology
* More people interested in choosing the career of Biochemistry and Bioprocessing Engineering

UCB
* Improvement of research process: Special permissions: Lectures, use of labs, etc.
* Investment in research
Capacity building at UCB

Societal

Appereances in media and sharing our story to society contribute to scientific sovereignty in Bolivia
Thank you!

You can find me at:

gchavez@ucb.edu.bo

Georgina Chávez

https://www.ucb.edu.bo/