The goal of this project is to establish an experimental protocol to remove perchlorate from soil samples and allow farming on Mars.

Laboratory: TBD
Number of students: 1-2 (Bachelor or Master)
Section: CGC, SIE or any interested
Status: Available

Description of the project
Creating a sustainable colony on Mars would require astronauts to grow their own food using Martian soil. However, its high perchlorate concentration makes it impossible to grow anything;

Therefore, the goal of this project, designed by Gustavo Jamanca Lino (member of Asclepios team), would be to establish an experiment protocol to remove perchlorate from soil samples.

Description of the student work and mission
- Working alongside Gustavo to set up the extraction protocol;
- Teaching the astronauts how to perform the experiment.

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