

## LEIRD 2021, VERY CLOSE!



LEIRD 2021 is a first-level multidisciplinary event in Entrepreneurship, Innovation and Regional Development. We are providing a stage to present and discuss innovations and latest trends, as well as challenges and proposed solutions.

Our conference will take place under the theme "Ideas to Overcome and Emerge from the Pandemic Crisis." Representatives of international organizations—such as the Organization of American States, the Development Bank of Latin America, the United Nations Economic Commission for Latin America, and others—will present a comprehensive overview of regional economic development within the pandemic situation. Members of different non-governmental organizations will also share their views on entrepreneurship and innovation in relation to education, government policies and trends in support programs, business incubators and startup accelerators.

On December 9 and 10, activities will begin at the times indicated below for specific locations:

- 7:00 AM:** USA (Pacific)
- 8:00 AM:** USA (Mountains)
- 9:00 AM:** Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, USA (Central)
- 10:00 AM:** Cuba, Colombia, Ecuador, USA (East), Jamaica, Panama, Peru
- 11:00 AM:** Bolivia, Guyana, Puerto Rico, Dominican Republic, Venezuela
- 12:00 PM:** Argentina, Brazil, Chile, Paraguay, Suriname, Uruguay
- 4:00 PM:** Germany, Spain, France

## CATALYST FOR THE SAPONIFICATION PROCESS

Collaboration of Professor Alberto Ayaviri, Member of the E & I Committee of LACCEI.

At the Faculty of Sciences and Technology of the San Francisco Xavier de Chuquisaca University, Bolivia, their

research has been concluded that aims to develop a phase catalyst for soap production.

The catalyst developed was made under the principles of mass transfer and reduction of surface tension that allows a conversion of 90% of lipids and a reduction of time from 1 hour to 15 minutes. This technology enables a soap base with a controlled pH and a surfactant load (soap) that guarantees good soap performance and reduces process times from 20 to 8 hours.

The research, which will be expanded on in the next LACCEI MAGAZINE INNOVATION, was developed with oil residues from the fast-food industry and fats generated in cattle slaughterhouses. This is considered an added value to the research for the contribution towards a green industry and is projected to be a future venture.



## LACCEI 2022, FLORIDA!!



Next year LACCEI will complete two decades of continuous work to facilitate and promote global collaboration for the continuous advancement of engineering, technology, education, research, practice, and innovation, connecting Latin America and the Caribbean with the rest of the world.

For this reason, in celebration of its twentieth anniversary, LACCEI will hold its 20th Hybrid Conference. This conference will be held on-site in the city of Boca Raton, Florida (LACCEI's main headquarters), and virtually through its Agora Meetings platform, allowing everyone the opportunity to participate according to the post-pandemic conditions of the moment.