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Undergraduate Research Program

Project Name	Improvement of Wastewater Treatment Performance
Campus & Location in Mexico	Monterrey
Faculty	Engineering and Science
Research Area	Environmental Engineering
Research Responsible	Pr. Dr. Miguel Ángel López Zavala
Description of the Project	This research is looking to improve the treatment performance and the bioelectricity generation in a dual-chamber MFC by means of enhancing the electron transfer process, functionality and performance of electrodes and proton exchange membrane.
Training Provided	Training on wastewater treatment, anaerobic degradation, electrode material functionality and proton exchange membrane functionality.

Offered during:

SUMMER

WINTER

SEMESTER

Student

Tasks/Responsibilities	Sampling and monitoring of the wastewater treatment process and the electricity generation in the microbial fuel cell
Required Language Proficiency	English: basic to intermediate level Spanish: basic to intermediate level
Required Skills and Abilities	Some abilities and experience on laboratory measurements.
Other Documents	<ol style="list-style-type: none"> 1) Being at least in your 2nd year of bachelor 2) Accumulative grade point average (GPA) 2.5 3) Official Transcript 4) 2 letters of recommendation of faculty members 5) Resume 6) Letter of intention explaining the reason why you would like to participate in the research program