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Undergraduate Research Program

Project Name	Photocatalytic degradation of emergent contaminants and their oxidation products in water and wastewater by using
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	In this project photocatalytic degradation of emergent contaminants (pharmaceuticals, hormones, pesticides, dyes, etc.) and their oxidation products in water and wastewater using titanium dioxide nanotubes is evaluated
Training Provided	Sampling, monitoring, analytical determinations of emergent contaminants using high pressure liquid chromatography and gas chromatography

Offered during:

SUMMER

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WINTER

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SEMESTER

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Student

Tasks/Responsibilities	sampling, monitoring, analytical determinations, integration of technical reports
Required Language Proficiency	English 90%
Required Skills and Abilities	Some skills and experience on laboratory measurements and activities
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