

Diego Rosas Villalva

Nanotechnology and Molecular Engineering Student

I aim to become an expert on thin film technology with applications on sustainable energy and flexible electronics. My research motivation is human development and bioremediation. I also enjoy sharing knowledge with people so they become more interested in science and in this way, nanotechnology have more acceptance in the community. By now I have carried investigation on nanostructures for Grätzel Solar Cells, photocatalysts, biocompatible magnetite, and right now I am starting a research on electrospun nanofibers for burn wound dressing.



Education

2011 - Present **Universidad de las Americas Puebla**
Nanotechnology and Molecular Engineering Baccalaureate

Academic & Labour Expertise

Autumn 2011 **UDLAP Scholarship service – Dr. José Luis Vazquez G.**
Assistant on the assembly of Lego's Mindstorms for educational purposes on mechatronics.

May - July 2013 **Internship – Dr. Luis Felipe Córdova L.**
Test and analysis of Grätzel Solar Cells construction techniques.

Autumn 2013 – Spring 2014 **UDLAP Scholarship service – Dr. Luis Felipe Córdova L.**
Assistant on the preparation of experiments for physical-chemical laboratory courses.

March 2014 **Poster exhibition -3rd Symposium of Nanoscience and Nanotechnology**
Photocatalysis of Dye compounds with Silver doped Titanium dioxide nanoparticles

2014 **Laboratory Researcher – iGEM 2014 Virtus-Parva Team**
The future of combat against diseases: the BioNEMS Drill

Congresses attended

April 2012 - 3rd National Science Meeting UDLAP
April 2013 - 4rd National Science Meeting UDLAP
 - 9th Meeting of the Mexican Academy of Organic Chemistry
March 2014-3rd Symposium of Nanoscience and Nanotechnology. CMyN

Contact

Email:
diego.rosasva@udlap.mx

Mobile:
(+52) 2221922073

Languages

Spanish – Native
English – B2
German – A2

Qualifications

Personality	Negotiation	<input type="checkbox"/>
	Rational	<input type="checkbox"/>
	Evaluative	<input type="checkbox"/>
	Personal Persuasion	<input type="checkbox"/>
	Inspiring Vision	<input type="checkbox"/>
	Teamwork	<input type="checkbox"/>
Adaptability		<input type="checkbox"/>

Software	Microsoft Office	<input type="checkbox"/>
	Cadence Suite	<input type="checkbox"/>
	ChemDraw	<input type="checkbox"/>
	L-Edit	<input type="checkbox"/>
	Corel Creative suite	<input type="checkbox"/>

Instrumentation	UV – Vis Spectrophotometer	<input type="checkbox"/>
	Cary 100	<input type="checkbox"/>
	NMR	<input type="checkbox"/>
	Varian Gemini 2000	<input type="checkbox"/>
	SEM	<input type="checkbox"/>
	Tescan Vega	<input type="checkbox"/>
DLS		<input type="checkbox"/>
	Microtrac Nanowave	<input type="checkbox"/>