

Curriculum Vitae

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EDUCATION AND ACADEMIC DEGREES

- PhD. Degree in Physical Chemistry – Universidad Autónoma Metropolitana-Iztapalapa (UAM-I), 2005
- Bachelor Degree in Chemistry– Universidad Autónoma Metropolitana-Iztapalapa (UAM-I), 2001

CURRENT POSITIONS

- 2015– Coordinator of the Microscopy Facilities Lab at CICSaB-UASLP.
- 2011– Professor, Faculty of Science-UASLP.

PREVIOUS POSITIONS

- 2009 – 2011 Researcher, Department of Physiology and Pathology, University of Trieste, Italy
- 2007 – 2009 Researcher, Chemistry and Pharmacy Department, University of Trieste, Italy
- 2005 – 2007 Post-Doctoral Fellow, IF-UASLP, SLP, Mexico
- 2006 – 2007 Part Time Teacher, Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico.
- 2002 – 2005 Associate Professor, UAM-I, Mexico City, México.
- 2000 – 2002 Teacher Assistant, UAM-I, México City, Mexico

FELLOWSHIPS AND AWARDS

- 2020 Member of the National Research System (SNI III, Mexico).
- 2018 Premio de Investigación 2018 otorgado por la Academia Mexicana de Ciencias.
- 2018 Cátedra Marcos Moshinsky 2018 otorgada por el IFUNAM.
- 2018 – 2019 Research grant CONACYT-SENER-NEWTON International Links (~ 50 kUSD)
- 2016 – 2019 Member of the National Research System (SNI II, Mexico).
- 2016 – 2018 Research grant from CONACYT. “Carbon Based Supercapacitors” 2 million MEX pesos (~ 110 kUSD)
- 2014 – 2015 Research grant from CONACYT. “Development of the High-Resolution Microscopy Department at UASLP” 13 million MEX pesos (~ 717 kUSD)
- 2013 – 2014 Grant CONACYT (Mexico)-FRS-FNRS (Belgium) 500 thousand MEX pesos (~27 kUSD)
- 2013 – 2015 Research grant CONACYT (Mexico). “Chemical Manipulation of Graphene in Dispersions” 1.4 million MEX pesos (~ 70 kUSD)
- 2012 – 2014 Research grant from PROMEP (Mexico). “Carbon nanotube translocation in giant vesicles” 525 thousand MEX pesos (~ 29 kUSD)
- 2011 – 2009 Fellowship from European Project CARBONNANOBRIDGE EU. “Neuron networking with nanobridges via the synthesis and integration of functionalized carbon nanotubes”.
- 2009 – 2007 Fellowship for European Project NEURONANO EU. “Towards new generation of neuro-implantable devices: engineering NEURON/carbon NANOTubes integrated functional units”.
- 2007 – 2005 Postdoctoral Fellowship PROMEP. “Synthesis of Semiconductor Nanoparticles II-VI for optoelectronic applications”.

TEACHING ACTIVITIES

- 2000 – Thermodynamics, Heat and Energy Transfer, Physical Chemistry I and II, Physical Chemistry of Surfaces, Fundamentals of Spectroscopy, Material Science, Chemistry, Nanomedicine, Science Communication, Advance Materials, at UASLP, UAM-I, and ITESM in Bachelor and Postgraduate Programs.

ORGANISATION OF SCIENTIFIC MEETINGS

- Co-chairman of more than 10 international conferences and workshops, including: Winter Meeting on Statistical Physics (WMSP-SMF), International Material Research Congress (MRS-SMM), International Congress on Surface, Materials and Vacuum, and The Third San Luis Symposium on Surfaces and Interfaces.

INSTITUTIONAL RESPONSIBILITIES AND COMMISSIONS OF TRUST

- Coordinator of the Microscopy Lab Facilities CICSaB-UASLP.
- Group Leader of “Multifunctional Nanostructures”
Former Students:
 - 3 Postdoc, 11 PhD, 10 master, 8 Bachelor.Present Group: 2 Postdoc, 5 PhD, 3 Master, and 2 Bachelor Students.
- Editorial Board: Open Access eNano, Smith & Franklin, Academic Publishing Corporation.
- Panel Reviewer: RCS Advances.
- Referee for scientific journals (more than 20 journals):
 - Nanoscale, Carbon, Chemistry of Materials, Physical Chemistry Chemical Physics, ACS Applied Materials and Interfaces, Sensors and Actuators B: Chemical, Molecular Liquids, Scientific Reports, etc.
- Evaluator of proposals CONACYT, Israel ISF.
- Other administrative duties:
 - Member of the SNI Commission Area I 2020-2022
 - Member of the Committee for the Certification of the Bachelor Program in Physics.
 - Member of the Committee for the Actualization of the Academic Bachelor Program in Biophysics
 - Member of the Academic Committee of the Physics Postgraduate Programs (Masters and PhD).
 - Member of the Academic Committee of the Chemistry Postgraduate Programs.
 - Member of the Academic Committee of the Material Science and Engineering Institutional PhD Program. Coordinator of the Nanomaterials and Nanotechnology Division.
 - Member of the National Academy of Science (Mexico)
 - Member of the Mexican Society of Physics.
 - Member of the Mexican Materials Society.

IMPACT OF RESEARCH:

Publications:

57 publications in refereed journals, among them

- Accounts of Chemical Research (1)
- Journal of the American Chemical Society (1)
- ACS Nano (4)
- Chemical Communications (5)
- Chemistry: A European Journal (3)
- Carbon (2)
- Small (1)
- Sensors and Actuators B: Chemical (1)

Citations and H-index

- Total number of citations: ~ 1864/ ~ 2095 (Scopus /Google Scholar)
- H-Index 18 (Scopus); 19 (Google Scholar)

Invited talks at international scientific conferences/workshops

- More than 35 invited talks at international conferences: England, Italy, Austria, Slovenia, China, Portugal, France and Mexico.
- About 50 invited keynotes, talks, and seminars in Mexico.