

M.ENG. CLAUDIA CRISTINA LUJÁN ORNELAS

GENERAL DATA Nationality: Mexican
Passport : G25873691

AREAS OF DEVELOPMENT

- Implementation of Life Cycle Assessment and Carbon Footprint in industry and public organizations.
- Efficiency and environmental management systems.
- Evaluation of the environmental performance of industrial products and processes.
- Development of methodologies for environmental assessment of industry suppliers.
- Monitoring and inventory of urban emissions.
- Actions for mitigation and adaptation to Climate Change.

PROFESSIONAL EXPERIENCE

INSTITUTE OF ENGINEERING, NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO (UNAM)
August 2015-current
Collaborator of projects such as: Organizational Life Cycle Assessment of Mexico Central Bank, Development of methodology for environmental evaluation for products and Carbon Footprint

INSTITUTE OF TECHNOLOGY AND OF HIGHER STUDIES OF MONTERREY (ITESM)
August 2016- current
Professor of the Engineering of Sustainable Development in the area of Sustainable Products and Services

NATIONAL WATER COMMISSION (CONAGUA)
2011-2013
Leader of the Inspection and Verification Department of National Waters.

CITY COUNCIL
2009-2010
Coordinator of Youth Services, Department of Attention to Youth, Chihuahua City.

BIOTECH INDUSTRIES S.A. DE C.V.
2008-2009
Supervisor of quality (company dedicated to the production of nutritional supplements) Obtaining the certificate of Food and Drug Administration (FDA).

CENTER FOR ADVANCED MATERIALS RESEARCH (CIMAV)
2005-2008
Collaborator in projects such as: MILAGRO (Monitoring air emissions of major cities worldwide); accreditation of the Laboratory of Hazardous Waste; Inventory of emissions in the City of Chihuahua.

PARTICIPATION IN PROJECTS

- Development of biofuels energy databases- CEMIE-BIO, CONACYT / SENER.
- Development of LCA of Mexican banknotes- banknote factory, Bank of Mexico.
- Collaboration in Carbon Footprint Analysis- Central Offices, Bank of Mexico.
- Development of final report of Organizational Life Cycle Assessment - Bank of Mexico.
- Collaboration of environmental impact assessment methodology - banknote factory, Bank of Mexico.
- Collaboration in Project MILAGRO (Monitoring of air emissions of major cities worldwide)

EDUCATION

NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO- MASTERS IN ENVIRONMENTAL ENGINEERING

August 2013- July 2015

A Life Cycle Assessment of Mexican polymer and cotton banknotes of high durability was developed for Bank of México. Thesis director: Dr. Patricia Güereca.

UNIVERSITAT ROVIRA I VIRGILI, SPAIN

March 2015-May 2015

Research internship with Dr. Francesc Castells for development of the critical revision of the LCA of Mexican banknotes.

TECHNOLOGY INSTITUTE OF CHIHUAHUA – CHEMICAL ENGINEERING DEGREE

August 2004-December 2008

Chemical engineering degree with specialization in environmental.

COURSES TAUGHT

-Course of Life Cycle Assessment software use-Research and Innovation Park of Monterrey, Mexico.
-Course of Life Cycle Assessment software use - National factory of sandpapers (Fandeli)
-Products and Sustainable Services, Boehringer Ingelheim Vetmedica / ITESM

COURSES AND DIPLOMATES

Training in Life Cycle Thinking and Eco-Innovation for Sustainable Value Chains in Latin America and the Caribbean - United Nations Environment Program (UNEP) - June 2017.

International Workshop "Data on the Life Cycle in Latin America" - Institute of Engineering, UNAM- August 2013.

Diplomat in Public Administration-Institute of Integral Democracy-December 2009.

Normativity and safety in the Industry - Autonomous University of Chihuahua-October 2008.

PARTICIPATION IN CONGRESSES

Oral presentation: Life Cycle Assessment of Mexican Banknotes of Polymer and High Durability Cotton-paper 2nd Inter-American Congress on Climate Change 2016, Mexico

Poster presentation: LCA of Mexican banknotes - First Seminar of Life Cycle Assessment, Mexico 2013 - Institute of Engineering UNAM

PROJECT REVIEW

Counterpart in the critical review process of Life Cycle Assessment of Mexican polymer banknotes and high durability cotton paper.

ACHIEVEMENTS

- Derived from the projects carried out at Bank of Mexico, the Clean Industry Certificate Performance Level 2 was obtained, the highest level awarded by the Federal Environmental Protection Agency.

-Recognition to the most recommended teacher by the students of the course Engineering in Sustainable Development, period Aug-Dec 2016.

- Honorific mention for Master's thesis: Life Cycle Assessment of Mexican polymer banknotes and high-durability cotton paper.

ORGANIZATION OF EVENTS

Technical Coordinator and organizer of the 2nd Inter-American Congress on Climate Change 2016, of the Inter-American Association of Sanitary and Environmental Engineering (AIDIS).