

Cindy G. Azuero P.

cpedraza3@gatech.edu

<https://www.isye.gatech.edu/users/cindy-giselle-azuero-pedraza>

EDUCATION

- Georgia Institute of Technology**- Atlanta, United States Aug 2018 – Jul 2023
PhD Industrial Engineering- Economic Decision Analysis (Tentative)
track
Advisor: Dr. Valerie Thomas
- Universidad de los Andes**- Bogotá, Colombia Aug 2012 - Dec 2013
M.Sc. Industrial Engineering
- Universidad de los Andes**- Bogotá, Colombia Aug 2008 - Jul 2012
B.S Industrial Engineering

SCHOLARSHIPS AND AWARDS

- Fulbright Commission Colombia** Sep 2017 - Present
Colciencias- Fulbright Scholarship
Laspau-administered scholarship to pursue a doctoral degree
in the U.S.
- Universidad de los Andes** – Bogotá, Colombia Aug 2012 – Dec 2013
Scholarship for Master Degree in Industrial Engineering

RESEARCH EXPERIENCE

- Environmental Protection Agency (EPA)**- Atlanta, USA May 2020- Aug 2020
Intern
- Proposed and implement a methodology to integrate new technologies, in the context of Bioeconomy, to the Unites States Input-Output model (USEEIO).
- Georgia Institute of Technology**- Atlanta, USA May 2019- Present
Graduate Research Assistant
- Collaborated in the environmental and rural economic development impact of biofuels.
- Fundación Logyca**- Bogotá, Colombia Aug 2014 - Oct 2014
Research Assistant
- Performed literature review in urbans logistics and sustainable logistics in Latin America and the state-of-art in first world countries.

- Prepared a book chapter and power point slides for CAF (Development Bank of Latin America) Project.

PUBLICATIONS

Working Papers

Azuero P., C. G., Thomas V. M., Canter, C. Environmental and economic impact of advanced biomass to chemicals. In preparation for submission to *J. Cleaner Production*, 2021.

Azuero P., C. G., Thomas, V. M. Biodiversity and climate change impacts of large-scale Bioenergy with Carbon Capture and Storage (BECCS). November 2020. For submission to *J. Industrial Ecology*.

Azuero P., C. G., Thomas, V. M., Ingwersen W. New technology scenario analysis in USEEIO: Advanced biofuel sector. August 2020. For submission to *Applied Sciences*, special issue on Advanced Data Engineering for Life Cycle Applications.

Azuero P., C. G., How is wood pellet production in Southeastern U.S. impacting natural forests? May 2020.

PRESENTATIONS

Azuero P., C. G., Thomas, V. M. Biodiversity and Climate Change Impacts of Biopower with Carbon Capture and Storage (CCS). Submitted to *ISSST 2021*, January 2021.

TEACHING EXPERIENCE

Georgia Institute of Technology- Atlanta, USA Aug 2018-May 2019
Graduate Teaching Assistant

- For the courses “Energy, Efficiency and Sustainability” and “Basic Statistical Methods”.

Universidad de los Andes- Bogotá, Colombia Aug 2012 - Dec 2013
Graduate Teaching Assistant

- Taught complementary sessions for “Discrete-event simulation” for 2 groups of 30 students, 3 hours per week.
- Supervised grades.
- Designed contents, exams and exercises.

PROFESSIONAL EXPERIENCE

SDI Systems- Bogotá, Colombia Mar 2015 – Jun 2018
Consultant

- Support the realization of projects of distribution center designs for companies of massive consumption in Colombia.
- Develop simulation projects.
- Train professors in the use of FlexSim Simulation Software.

El Kiosco Golosinas- Bogotá, Colombia

Nov 2014 – Jan 2015

Processes Analyst

- Developed process mapping of kitchen's processes for the design of control and improvement policies.

Kastoro Ecoingeniería Lógica- Bogotá, Colombia

Oct 2014 – Jan 2015

Eco-engineering projects coordinator

- Developed socio-ecological models using system dynamics.
- Performed literature review, data collection and analysis.

COMPUTER SKILLS

- Intermediate coding in Python, R, Visual Basic and Java.
- Experience in discrete-event simulations with FlexSim and Arena.
- Basic knowledge in statistical software as Stata, SPSS, SQL and SAS.
- Basic knowledge in Xpress MP optimization software.

ADDITIONAL INFORMATION

English (Fluent). Spanish (Native speaker).