

Sydney Litvin
Assistant Health Scientist

Paustenbach and Associates
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Academic and Professional Profile

Sydney Litvin is an Assistant Health Scientist with Paustenbach and Associates, focused on toxicology, industrial hygiene, and risk assessment. With a Bachelor of Science in Environmental Studies, specifically with an emphasis on Physical Geography and Environmental Toxicology from University of California, Santa Barbara, Sydney uses her environmental science background and technical knowledge to bring forth innovative and environmentally conscious solutions to environmental health hazard and toxicological issues. Her interest in consulting and human health is driven by her passion for creating a brighter future for generations to come and the environment in which they will inhabit.

Education and Degrees Earned

- Bachelor of Science in Environmental Studies, Emphasis on Physical Geography and Minor in Anthropology, University of California Santa Barbara
 - Related classes: Environmental Toxicology Series, Contaminants of Emerging Concern, Water Quality, Air Quality

Professional Career Summary

Paustenbach and Associates
Assistant Health Scientist
Boulder, Colorado
March 2023 – Present

- Synthesize case materials to understand exposures and assess risk to specific toxicants.
- Execute exposure estimates to quantify potential risk.
- Synthesize current peer-reviewed literature to make informed decisions regarding the risk posed by certain toxicants.
- Contribute to ongoing research and the writing of manuscripts to contribute to the scientific literature regarding toxicology, risk assessment and exposure science.
- Involved in litigation work and characterizing risks posed by chemicals in occupational settings, consumer/industrial products, and the environment.

- Experience working with the following potentially hazardous chemicals: asbestos, HPHCs, hydrazine, benzene.

CETLab (Clean Energy Transformation Lab)

Undergraduate Research Assistant

University of California Santa Barbara

Santa Barbara, CA

Fall 2020 -- Spring 2022

- Participation Gap in Public Sector Energy Efficiency Programs in CA Project
 - Condensing and sifting through data using data science techniques in R and Microsoft Excel
 - Analyzing sifted data using statistical analysis in R
 - Manuscript writing that is now in the process of being reviewed by a peer-reviewed journal.
 - Literature review writing
- Power Densities of Wind and Solar Power Plants
 - Creating datasets and shapefiles using ArcGIS Pro
 - Aggregating power-related data for solar power plants world-wide
 - Analyze power-capacity using tools within ArcGIS Pro

MarcelHemp

Social Media and Marketing Coordinator

Santa Barbara, CA

Summer 2020 – Fall 2021

- Create graphics and distribute posts across different social media platforms.
- Create blog posts on company website regarding the importance of sustainable practices within fashion.

Socos Labs

Research Assistant Intern

Berkeley, CA

Summer 2019

- Condensing and sifting through data using data science techniques
- Researching specific immigration policies in metropolitan areas

Professional and Academic Conference Presentation Experience

Understanding Inequities in Participation in Energy Efficiency Programs for the Public Sector

- Southern California Conference for Undergraduate Research (SCCUR) -- 2021
- Behavior Energy and Climate Change Conference (BECC) -- 2021
- Clean Energy Transformation Lab (CETLab) at University of California Santa Barbara --2021
- Cherie Brigs Lab at University of California Santa Barbara --2021

Professional Leadership Group Affiliation

- Clean Energy Transformation Lab (UCSB)
- Collective for Clean Energy (UCSB)
- Environmental Affairs Board Member (UCSB)
- California Scholarship Federation Club (CSF at UCSB)