

Ally Ibtihal Hamie, MSE, EdD

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Summary

Passionate scientist and educator with a background in research, analysis, and project management. Holds an EdD in Educational Leadership for Higher Education and multiple master's degrees in environmental sciences and engineering. Proven ability to lead diverse teams, adapt to changing situations, and implement solutions. Committed to fostering diversity, equity, and inclusion, seeking a rewarding opportunity to leverage expertise in STEM education.

Technical Skills

- Statistical Analysis
- Data Collection and Research
- Project Management
- Teaching and Curriculum Development
- MS Office, Google Suite, Slack

Areas of Expertise

- Writing Technical, Scientific, and Educational Reports/Materials.
- Data Collection, Analysis, and Assessments.
- Project Management.
- Research and Educational Development Practices.
- Teaching General Sciences Courses.
- Course Material Development.
- Dedicated to diverse student practices.
- Committee Participation

Professional Experience

Chemistry Instructor, Arizona State University (ASU) Tempe, AZ USA 2022 – Present.

- Facilitated active learning recitations for courses in introductory chemistry CHM 101 and general chemistry CHM 113 and CHM 114.
- Participate in supervising the teaching assistants and offer guidance.
- Serve as a member of the MOSAIC committee, and a circle member with the ASU Advance associated with the Faculty Women Association (FWA).

Environmental Biology and Chemistry Adjunct, Grand Canyon University (GCU) Phoenix AZ USA 2017 – 2023.

Chemistry and Environmental Biology Adjunct, Chandler-Gilbert Community College (CGCC), South Mountain Community College (SMCC) *Chandler AZ, USA 2017 – Present.*

- Supervise and instruct a diverse population of students in integrated lecture-lab settings.
- Develop instructional materials and curriculum for in-person and online courses.
- Assess and evaluate knowledge of the subject matter taught and monitor students' scholastic records.
- Prepare and grade examinations and participate in assessment and program review processes.

Principal, IEFAZ Sunday School *Mesa, AZ, USA 2021 – Present.*

- Design and implement classes, monitor students' progress, and inform parents of updates and achievements.

Dual Enrollment Biology Science Instructor, Arizona Cultural Academy and College Prep. *Phoenix, AZ, USA 2016 – 2018.*

- Prepare and deliver lessons on biology, earth sciences, and physical sciences.

Green Entrepreneur Trainer, Switch Med. *Beirut, Lebanon 2015 – 2016.*

- Train entrepreneurs on green entrepreneurship methodology and provide follow-up support.

Researcher, American Lebanese University. *Beirut, Lebanon 2014 – 2016.*

- Participate in training for institutions, schools, and municipalities in developing environmentally sustainable waste management systems.
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Industrial Hygienist, AMEC Environment & Infrastructure. *Portland, OR, USA, 2013 – 2014.*

- Provide respirator training and fit-testing services for Providence Health and Services.

Environmental Engineering Researcher, JWC Water Treatment Plant. *Forest Grove, OR, USA, 2011 – 2012.*

- Quantify and characterize solids waste at the water treatment plant, providing data for future expansions and improvements.

Environmental Engineering Technician, Chemica Technologies, Inc. *Beaverton, OR, USA, 2008 – 2010.*

- Work on an arsenic-contaminated water remediation project.

Environmental Health & Safety Specialist, University of San Francisco. CA, USA, 2003 – 2005.

- Ensure compliance with health and safety regulations, perform inspections, and work with many personnel to mandate the health and safety protocols.

Science Tutor, Madonna University. Livonia, MI, USA, 2001 – 2002.

- Tutor chemistry, biology, and natural sciences.

Training, Certificates, Research & Seminars

- Natural Sciences Inclusion Summit, ASU, 2022.
- EdD Dissertation: Underrepresented STEM Students' Perceptions of Faculty Leaders' Mindset and Academic Performance, GCU, 2021.
- Outstanding Adjunct Faculty Award for Maricopa Community Colleges, 2020.
- SwitchMed Green Entrepreneurship Training Programmed in the Mena region.
- Annual Conference on AFED Climate Change in the Region and its Effects in the Area.
- OSHA 8-hr Hazardous Waste Operations Refresher.
- Fundamentals of Successful Project Management.
- DOT Basic Hazmat training.
- OSHA 24-hr Hazardous Waste Operations.