

Heera Immandi

himmandi@asu.edu / heeraimmandi.github.io / linkedin.com/in/heerai

EDUCATION

Arizona State University (ASU)

Aug 2024 – Present

Bachelor of Science in Biological Sciences

Tempe, AZ

- Activities and Societies: School of Life Sciences Undergraduate Research (SOLUR), Women in STEM, Ocean Conservation Club
- Dean's List, Spring 2025

RELEVANT EXPERIENCE

NSF Research Experience for Undergraduates (REU) Intern

June 2025 – Present

Krause Lab / Dauphin Island Sea Lab

- Practicing multiple types of chemical silica digestions
- Maintaining and monitoring growth of 12 *Synechococcus* clones
- Conducting dissolved silica analysis with a spectrophotometer
- Measuring cell abundance in vivo fluorescence using a fluorometer

Undergraduate Researcher

Aug 2024 – Present

Neuer Lab / Arizona State University

- Visualizing large datasets with Microsoft Excel and Ocean Data View
- Maintaining and monitoring growth of various phytoplankton and microzooplankton cultures
- Performing cell counts using epifluorescence microscopy and a counting chamber
- Volunteering in outreach events with the School of Ocean Futures
- Managing the lab's website and Instagram account

Herbarium Volunteer

May 2024 – Aug 2024

Botanical Research Institute of Texas, Fort Worth Botanic Garden

- Assisted with the Heber W. Youngken medicinal collection
- Transcribed, georeferenced, imaged, and digitized various specimens, including lichens and vascular plants
- Utilized TORCH and lichen portals

SCIENTIFIC PUBLICATIONS

Manuscripts in coauthor revisions:

1. Amy M. Hansen, **Heera Immandi**, Susanne Neuer, Alexandra L. Freibotta, John R. Casey, and Michael W. Lomas. Seasonal and interannual variability of the Sargasso Sea plankton community.

POSTERS AND PRESENTATIONS

American Geophysical Union Annual Meeting 2025, New Orleans, LA, USA - Accepted, Registered Dec 2025

Heera Immandi, et al., What is the Chemical Composition of Silica Produced by the Marine Cyanobacterium, *Synechococcus*? Poster Presentation

FUNDING AND FELLOWSHIPS

NSF Research Experience for Undergraduates

June 2025

Funded program supporting independent undergraduate research and scientific training at Dauphin Island Sea Lab

ASU School of Life Sciences Undergraduate Research (SOLUR) Scholar

Aug 2025

Funded program supporting independent undergraduate research in the life sciences

PROFESSIONAL AND SOCIETY MEMBERSHIPS

The Oceanography Society (Student membership)

Aug 2023 - Present

American Geophysical Union (Student membership)

Jan 2024 - Present

American Society for Microbiology (Student membership)

July 2025 - Present