

Raneem Makrai

GRADUATE TEACHING ASSOCIATE

Department of Biological Sciences, California State University Stanislaus

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Education

California State University, Stanislaus

Turlock, CA

MS IN BIOLOGICAL SCIENCES

2026

- Thesis Project: Characterization of Polyhydroxybutyrate (PHB) Degradation Efficiency and PhaZ Gene Expression in Selected Bacterial Strains
- Major Advisor: My Lo Thao, Ph.D.

California State University, East Bay

Hayward, CA

BS IN BIOLOGY WITH AN EMPHASIS IN CELL AND MOLECULAR BIOLOGY

2022

- Course work in Cell and Molecular Biology, Genetic Analysis I and II, Biochemistry, PCR and Sequencing, Bioinformatics, Global Change

Skyline College

San Bruno, CA

AS IN BIOLOGY

2021

- Course work in General and Organic Chemistry, Physics, Cell Biology, Calculus

Professional Positions

Laboratory Mentor for Undergraduate Students

Turlock, CA

CALIFORNIA STATE UNIVERSITY, STANISLAUS

2024-Present

Graduate Teaching Associate

Turlock, CA

CALIFORNIA STATE UNIVERSITY, STANISLAUS

08/2024-Present

Research Projects

Gene Annotation Researcher

GENOMICS EDUCATION PARTNERSHIP (GEP)

2022

Genetic Variations in Parkinson's and Alzheimer's

CALIFORNIA STATE UNIVERSITY, EAST BAY

2022

Identifying Cancer Driver Mutations

CALIFORNIA STATE UNIVERSITY, EAST BAY

2022

Cancer Genomics

JACKSON LABORATORIES

2022

Fingerprint Analysis Project

CALIFORNIA STATE UNIVERSITY, EAST BAY

2021

Sunlight Impact on Micro-aquarium Organisms

SKYLINE COLLEGE

2023

Honors and Awards

- 2024 Graduate Fellowship
- 2021 Gilman International Scholar