**Ms. Joscelin Ortega Soto, B.S.**

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**Education**

***2023*** M.S (In progress) Biological Sciences, California state University, Chico, CA

***2019-2022*** B.S. in Biological Sciences, California State University, Chico, CA

***2014-2019*** Transferee, Biological Sciences, Butte Community College, Oroville, CA

***2016***  AA Social & Behavioral Sciences, Butte Community College, Oroville, CA

Certification of 12 units in Early Childhood Education

**Professional Research**

***2023*** **Undergraduate Student**, *Microbiology, California State University, Chico*

Gained more knowledge on microbial research, procedures, and writing research papers. An environmental source, based on one's choice, was used to create an isolate and discover what bacteria was present. A scientific paper would then be created, explaining the methodology on all experiments performed. A last project was based on a bacteria randomly assigned. *Staphylococcus Aureus* was the bacteria given. A paper and PowerPoint was created to share the knowledge of this skin bacteria.

***2021*** **Student Group Collaborator**, *Ecology, California State University, Chico*

More Knowledge on ecological sciences and how research and analysis works, was done through a group project involving conducting a proposal followed by experimentation. The group proposal was on whether ants at walnut and peach orchards had a preference for certain foods. The hypothesis was that the ants at the peach orchards were more likely to consume more sweets and those at the walnut consuming more nuts. The data results displayed that the ants at the peach orchards consumed more chips than those at walnut orchards, whereas those at the walnuts consumed more nuts. The statistics failed to reject the null hypothesis. A scientific paper consisting of a formal format (abstract, introduction, methods, etc.), was constructed along with a PowerPoint.

***2019***  **Student Group Collaborator**, *Cellular and Molecular Biology, Butte Community College*

Gained experience on how to conduct and analyze research through a group project. The topic was whether pesticides affect the protein concentration of spinach, with the hypothesis stating that pesticides do affect the protein concentration. Spinach plants were grown utilizing Butte College’s greenhouse, where observations and management was done periodically. Half of the plants were placed with pesticides and distinguished from the rest with a label marker. After proper procedures were made and the desired pellet was obtained, measurements were made, and thus mathematical conversions were used to find the protein concentration for both plants. The protein concentration for these plants were fairly similar, therefore the experimental procedure and math was to be repeated. With this repetition, the protein concentration was lower in the plants with pesticides. The statistics failed to reject the hypothesis, with experimental data supporting this.

**Awards and Honors**

***2021***Dean’s Honor List, Fall 2021, California State University, Chico

**Programs and Extracurricular Activities**

***2018*** Secretary, MESA Club, Spring 2018, Butte Community College

***2015-2019*** Student Member, MESA Program, Butte Community College