

JOSABETH NAVARRO

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EDUCATION

2019 Bachelor of Science in Environmental Science. The University of Texas Rio Grande Valley.
***Summa Cum Laude, GPA 4.0*
2015 Associate Degree, General Studies. Texas South Technical College.

Certifications

- CRLA Level 1 Tutor Certification 2018
- HAZWOPER 40 HR Training Certification 2018
- Texas Watershed Steward Certification 2017

Academic Achievements & Honors

- President’s List 2016-2019
- Scholarship Recipient, Pan-American Round Table 2016
- Scholarship Recipient, NSF Stimulating Hispanic Participation in GeoSciences 2018-2019
- UTRGV Profiles in Excellence 2019

<https://www.utrgv.edu/en-us/student-experience/profiles-in-excellence/2019/josabeth-navarro/index.htm>

Relevant Course Work

<i>Environmental Science</i>	<i>Biology</i>	<i>Geology</i>
Environmental Impact Assessment Environmental Regulations Environmental Ethics Soil Science and Conservation Research Methods and Data Analysis	Conservation Biology Natural Resources and Conservation Ecology Human Evolution	Introduction to GIS Hydrology Oceanography

EXPERIENCE

Soil Science, *undergraduate researcher*, Department of Earth, Environmental and Marine Sciences, The University of Texas Rio Grande Valley 2018- 2019

- Evaluate effectiveness of locally sourced organic inputs to improve farming soils in South Texas
- Assessed pre-planting and post-harvest soil fertility indicators (pH, total and available N, P, K contents and tuber production).
- Conducted field work and performed lab analysis
- Field demonstration to visitors
- Data analysis
- Poster preparation and scientific presentation
- Report and manuscript preparation

Hydrology, *trainee*, Department of Earth, Environmental and Marine Sciences, The University of Texas Rio Grande Valley 2018

- Employed water infiltration test

- Determined stream velocity and flow net

Ecology, Butterfly Garden, service learning, Department of Biology, The University of Texas Rio Grande Valley 2019

- Performed garden maintenance; watering and weeding
- Transplanted trees and native species
- Kept journal/record of cocoons/caterpillar counts throughout spring season
- Presented findings and recommendations for improvement in PowerPoint format

LEADERSHIP EXPERIENCE

- Over three years' experience in leadership roles for two organizations; performed employee trainings, led "Renaissance-Star" software training for 30+ staff members; input student test record in order to interpret learning deficiencies to accommodate specific student needs.
- Two years' experience working with high school students in academic support service program
- Team Leader for West Park Management Program in Edinburg
- Took leadership role of Project Manager for Environmental Assessment of Arroyo Colorado Floodway Project

TEACHING EXPERIENCE

Academic Tutor, Upward Bound Outreach Program, University of Texas Rio Grande Valley April 2017-May 2019

- Providing academic instruction/mentoring to students individually and in groups
- Served as a liaison on campus to communicate with parents and school faculty
- Coordinating summer program activities and educational excursions
- Responsible for conducting new student interviews
- Inputting and collecting student data to generate detailed reports
- College Entry Exam awareness and capable of interpreting results to implement appropriate academic instruction
- Contribute special insight to understanding and resolving conflicts, demonstrating particular sensitivity to misunderstanding on both personal and professional levels
- Responsible for ensuring college readiness and academic success

PUBLICATIONS

Navarro, J.; Salazar, J.; Kang, J. Parsons, J.; Cheng, C.; Pereira, E. Sweet potatoes promote soil biological activities under variety of soil amendments and the challenging climatic and edaphic conditions in subtropical semi-arid South Texas. *In preparation for Agriculture, Environmental, and Ecosystems.*

PRESENTATIONS

Josabeth Navarro, Jahdiel Salazar, Jihoon Kang, and Engil Pereira. "Sweet Summer Spud: South Texas soil fertility management strategies with organic amendments to increase nutrient availability and reduce nutrient depletion," Poster Presentation. International Soils Meeting, Soil Science Society of America, San Diego, CA (January 2019) <https://scisoc.confex.com/scisoc/2019sssa/meetingapp.cgi/Paper/115593>

Jahdiel Salazar, **Josabeth Navarro**, Jihoon Kang, and Engil Pereira. "Sweet potato: a potentially profitable summer crop for South Texas organic farmers to enhance soil biological activity and nutrient release.," Poster Presentation. SSSA International Soils Meeting, Soil Science Society of America, San Diego, CA (January 2019) <https://scisoc.confex.com/scisoc/2019sssa/meetingapp.cgi/Paper/115592>

SPECIAL SKILLS

Environmental Science

- Soil testing: pH, EC, phosphorus, potassium, nitrate, ammonium
- Water testing: pH, conductivity, salinity, alkalinity, dissolved O₂
- Microbial testing: phosphatase, microbial activity, microbial phosphorous
- GPS, compass, and orienteering and astronavigation
- Entry Civil Engineering Leveling

Other Skills and Abilities

- Knowledge of computer software including Microsoft Powerpoint, Word, Excel, and Publisher, Arc GIS, Surfer Software, and R

Experience with Blumen database to document student participation and services provided

- Able to create and complete memos
- Maintaining a strong network system with collaborating organizations and agencies
- Bilingual (verbal and written) in English and Spanish
- Excellent organizational skills, attention to detail, and work efficiently
- Punctual and follow ethical code of conduct
- Work great with interdisciplinary team and able to motivate others
- Capable of taking initiative and making decisions in demanding working environment

REFERENCES

Dr. Engil Pereira

The University of Texas Rio Grande Valley

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