The Science and Mathematics Faculty invites applications to the College of Integrative Science and Arts at Arizona State University for one research assistant. The research assistant position is 0.5 FTE (20 hours per week) for the 2022-2023 academic year, with the ability for extensions, based on funding. Research duties will be performed at the ASU Poly campus. The NSF-funded project aims to combine broad-scale and trait-based mechanisms to investigate if climate change affects the expansion and contraction of the geographical range of native and non-native amphibian species in drylands of the Southwest United States and northern Mexico. Although many studies have attempted to document the contraction of geographical ranges of native and invasive species in arid ecosystems, ours extend previous studies by investigating the mechanisms underlying the changes in habitat suitability. Specifically, we will produce a novel trait-based ranking methodology and framework to assess amphibian species’ relative vulnerability to current and projected climate change impacts; identify future areas of potentially non-native species or areas with high vulnerability to invasion; provide an overall assessment of how climate change and non-native species changes will affect native amphibian habitat suitability.

ASU’s College of Integrative Sciences and Arts values diversity, and continually strives to foster a welcoming and inclusive environment. We are home to innovative teachers who are guided by educational access, student success, applied learning, and interdisciplinary inquiry. CISA has over 7,300 students in all levels of degree programs and nearly 250 faculty members. We understand that there are many paths to achieving a university education, and we build undergraduate and graduate degree programs and pathways that are flexible and relevant for a rapidly changing world.

Arizona State University has been named #1 among the nation’s most innovative universities by U.S. News & World Report and a Top 10 Best Buy public university by Fiske Guide to Colleges 2021. ASU is deeply committed to advancing in new and innovative ways while providing and sustaining a welcoming, supportive, and empowering environment for all members of our community. We are especially interested in applicants who can strengthen the diversity of the academic community and who are dedicated to advancing the ASU Charter and realizing our Design Aspirations through inclusive and equitable practices.

To learn more about ASU and the College of Integrative Sciences and Arts visit http://about.asu.edu/ and http://cisa.asu.edu.

**Essential Duties:**
In close collaboration with the principal investigator, the Research Assistant will:
- Conduct literature reviews
- Operate GIS and remote sensing software
- Collect and analyze environmental and biological data
- Maintain a spatial database
- Draft papers for conference presentations and manuscripts to be submitted for publication
- Perform additional duties as assigned

**Required Qualifications:**
- Bachelor’s degree in biology, ecology, or related areas

**Desired Qualifications:**
- Knowledge of major statistical software (e.g., ArcGIS, R, Google Earth Engine)
- Experience with GIS and remote sensing software
- Experience in quantitative and/or qualitative methodologies
- Experience with species distribution modeling algorithms
- Coursework and experience with advanced statistical methods and measurement and/or advanced qualitative methods
- Research presentation or publication history
- Research as an important professional goal
**Application Procedure:**

To apply, please upload your application as **one combined .pdf document**
https://www.dropbox.com/request/E6fTvms31ax2zDYs0kJ. Only electronic submissions will be reviewed. Incomplete applications will not be considered. **Applications must contain:**

1. A letter of interest (no more than 2-pages) that addresses:
   - How you meet the required and desired qualifications
   - How obtaining this position will contribute to your professional goals
2. Current resume/curriculum vitae
3. Information for three professional references (name, organization, position title, e-mail, and phone number)
4. Copies of unofficial transcripts

- The application deadline is **07/15/2022 at 5:00p.m. Arizona Time**. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the positions are filled.

A background check is required prior to employment. For technical assistance with your application contact AmberWalker@asu.edu, for position-related questions contact Fábio Albuquerque at Fabio.Albuquerque@asu.edu. The offer is contingent on regular admission to the MS graduate program - Applied Biological Sciences.

**Equal Employment Opportunity Statement**

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See https://asu.edu/aad/manuals/acd/acd401.html and https://www.asu.edu/titleIX/)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

COVID-19 Vaccination Requirement – Under the recent executive order issued by President Biden requiring all employees, including new hires, to be vaccinated unless they have an approved medical or religious accommodation. Proof of vaccination will be required by January 4, 2022. For questions about medical or religious accommodations, please visit the Office of Diversity, Equity and Inclusion webpage.