

**Opportunity Title:** Chemical Ecology and Phylogenetics Research - At-Risk

Wildlife Species

**Opportunity Reference Code:** ERDC-CERL-2020-0005

**Organization** U.S. Department of Defense (DOD)

**Reference Code** ERDC-CERL-2020-0005

**How to Apply** Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records -[Click here for detailed information about acceptable transcripts](#)
- References

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system.

If you have questions, send an email to [usace@orise.orau.gov](mailto:usace@orise.orau.gov). Please list the reference code of this opportunity in the subject line of the email.

All documents must be in English or include an official English translation.

## Description

The Construction Engineering Research Laboratory develops and infuses innovative technologies to provide excellent facilities and realistic training lands for the Department of Defense (DOD). Products and services from CERL research enhance the Army's ability to design, build, operate and maintain its installations and contingency bases and to ensure environmental quality at the lowest life-cycle cost. Excellent facilities support the Army's training, readiness, mobilization and sustainability missions. An adequate infrastructure and realistic training lands are critical assets to installations in carrying out their military mission.

Under the guidance of a mentor, the participant will participate with projects examining chemical ecology and phylogenetics of several at-risk, wildlife species. The participant will be involved with numerous aspects of the project including field data collection, chemical and molecular analyses, phylogenetic analyses, eDNA assay development, and manuscript preparation. These analyses will require the development of a variety of skills including laboratory assays, literature searches, data entry/analyses, and manuscript writing.

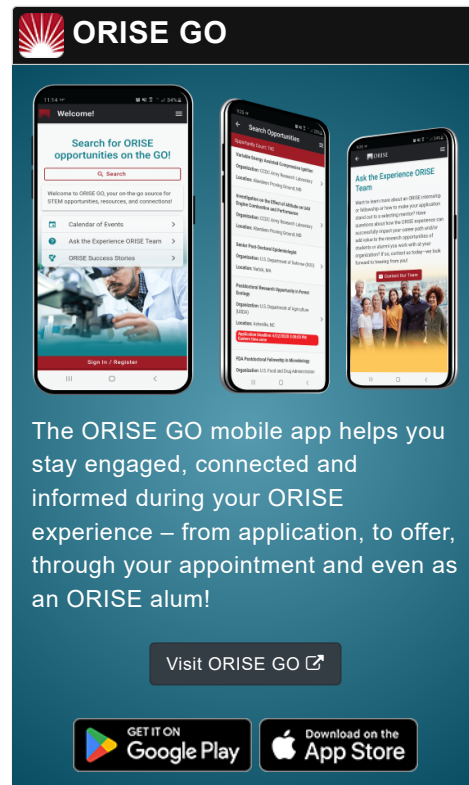
## Length of Appointment

This ORISE appointment is for a twelve month period. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

## Participant Benefits

Participants will receive a stipend to be determined by ERDC-CERL. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement. *Participants are eligible to purchase health insurance through ORISE.*

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- Relocation Allowance
- Training and Travel Allowance









#### Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

#### Qualifications

The participant must be familiar with chemical ecology and phylogenetics of several at-risk wildlife species.

#### Eligibility Requirements

- **Degree:** Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 )
  - **Computer, Information, and Data Sciences** (16 )
  - **Earth and Geosciences** (21 )
  - **Engineering** (27 )
  - **Environmental and Marine Sciences** (14 )
  - **Life Health and Medical Sciences** (45 )
  - **Mathematics and Statistics** (10 )
  - **Physics** (16 )
- **Age:** Must be 18 years of age