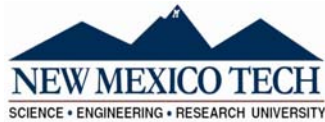


Posted: January 31, 2022



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## POSTDOCTORAL RESEARCH ASSOCIATE BUSINESS AND TECHNOLOGY MANAGEMENT

New Mexico Tech (NMT) invites applications for a USDA/NIFA-funded postdoc research associate position in the area of computational economics and drought research. The particular research project will focus on agricultural drought management in the New Mexico High Plains, integrating soil systems, water resources, and climate strategies. The project presents an excellent research development opportunity in an interdisciplinary team of economists and scientists. The major project activities collaborate around: (1) understand the soil properties and moisture dynamics under different management scenarios; (2) develop an economic optimization framework to inform conservation of water resources and aquifer sustainability management; (3) explore the role of different regional adaptation strategies under future environmental and technology conditions. The postdoc associate is expected to participate in most of these activities while interacting with graduate and undergraduate research assistants. There will also be peer-reviewed publications, proposal development, stakeholder engagement, and other research training opportunities. The initial appointment will be for two years, with the possibility for an additional year through other funding sources.

### Required Qualifications:

- Ph.D. in economics, agricultural/applied economics, sustainability science or other related fields;
- Strong skills in quantitative modeling and econometric data analysis
- Proficient in at least one of the following programming languages: R, Matlab, GAMS;
- Excellent writing and oral communication skills.

### Preferred Qualifications:

- Experience with geospatial data modeling and relevant statistical/econometric methods;
- Experience with computational economic modeling, including but not limited to regional CGE modeling, agent-based modeling, and integrated ecological-economic modeling;
- Background in agricultural water use, irrigation, and drought research.

Position open until filled; for best consideration, please apply by 03/07/2022. Inquiries should be directed to Dr. Haoying Wang at [haoying.wang@nmt.edu](mailto:haoying.wang@nmt.edu). The preferred starting time is August 2022 but negotiable. To apply, please email your application package in a single PDF document to [nmtjobapps@npe.nmt.edu](mailto:nmtjobapps@npe.nmt.edu) and copy to [haoying.wang@nmt.edu](mailto:haoying.wang@nmt.edu), with "BTM- Postdoc-2022" in the email subject line. The package should contain a cover letter highlighting expertise and experience most suited to the position, the most recent CV, a research statement, and a list of three references.

NMT is committed to creating a community in which a diverse population can learn, live, and work in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual. NMT is an Equal Opportunity Employer. NMT provides excellent benefits, including health, vision, dental, and a generous retirement plan.

NMT is located in Socorro, in the scenic Rio Grande River Valley of central New Mexico, 75 miles south of Albuquerque with its many attractions, and 139 miles south of Santa Fe. The ABQ International Airport is just an hour away. The region is endowed with excellent outdoors. Nearby mountains and desert canyons provide opportunities for excellent hiking, climbing, and mountain biking. The Bosque Del Apache National Wildlife Refuge, located just south of Socorro along a major north-south flyway, offers some of the best birding in the US.