

Associate Project Scientist Position in Agricultural Greenhouse Gas Modeling

The Department of Environmental Sciences at the University of California, Riverside invites applicants to apply for a full-time appointment as an associate project scientist specializing in greenhouse gas emissions modeling for California dairy farms for a multi-campus project to investigate emissions from dairy digesters. The successful candidate will conduct research under the supervision of Professor Francesca Hopkins. We are looking for a highly motivated, independent researcher with experience in biogeochemical process modeling to model methane and N₂O emissions from manure management on California dairy farms. Field data for drivers of mechanistic models (e.g., temperature, moisture, O₂) and fluxes of CH₄ and N₂O will be measured for manure handling systems at several dairies. The associate project scientist will use these observations along with process-based models (e.g., Manure DNDC, DayCent) to examine predicted outcomes of management changes, and scale emissions up to the region. A major goal of the project is to compare different measurement techniques; hence, they will compare these process-model results with regional observations to determine the best strategies for future emissions monitoring.

Basic qualifications for this position include: Ph.D. degree in agricultural science, soil science, soil/environmental chemistry, geochemistry, or related fields.

Preferred qualifications for this position include: experience with biogeochemical process modeling (Manure DNDC, DayCent), and publishing in peer-reviewed scientific journals.

TO APPLY: Applicants should submit a Curriculum Vitae, Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence, and contact information for three references (name, email/phone number and address) to <https://aprecruit.ucr.edu/apply/JPF01382>. Review of applications will commence on March 21, 2021 and proceed until position is filled. For full consideration, applicants should submit their applications prior to the above date.

Inquiries about the position can be sent to Dr. Francesca Hopkins via email at fhopkins@ucr.edu with GHG SCI as the subject line.

For questions on application procedures and requirements, please contact Ms. Guadalupe Figueroa, Academic Personnel, at guadalupe.figueroa@ucr.edu.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.



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Advancement through the Project Scientist ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.