

Assistant Specialist in Biomass and Bioenergy - UCCE Riverside County - 100% Time Represented

University of California Agriculture and Natural Resources

Application Window

Open date: April 9, 2025

Next review date: Monday, May 12, 2025 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Friday, Aug 1, 2025 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description

Position Overview

Location Headquarters: Riverside County, California.

The University of California, Agriculture and Natural Resources (UC ANR) offers a unique recruitment opportunity for an Assistant Specialist in Biomass and Bioenergy, 100% - Represented.

The Assistant Specialist will work under the guidance of the Principal Investigator and the Co-Principal Investigator. The Assistant Specialist will conduct geospatial, lifecycle, and techno-economic research on biomass, biofuels and other bioproducts, and will be

involved in researching products utilizing forest-sourced biomass to showcase at the demonstration sites and provide technical assistance to companies. The work will involve conducting literature reviews, gathering and analyzing data through market research, conducting techno-economic assessment (TEA), lifecycle assessment (LCA), and geospatial analysis, drafting reports/papers, and potentially preparing grant applications. The work will require developing and maintaining close collaborations with stakeholders including the state and federal agencies, industry, research institutions, non-governmental organizations (NGOs), forest landowners and the public.

Responsibilities:

The Assistant Specialist will:

- Research evaluating sites for biomass-derived fuels including geospatial resource assessment, evaluating supply chains and developing case studies to repurpose existing sawmills and biopower plants
- Conduct a geospatial resource assessment to identify and quantify regional available forest biomass feedstocks and elements to support business attraction and to provide them with preliminary information for project feasibilities
- Identify current suppliers and service providers of biomass-generating enterprises. Evaluate their interest and capacity to expand operations in a broader bioeconomy. Identify challenges to operations (logistic, regulatory, fiscal) and potential solutions to issues
- Identify and assess current training programs for harvest/collection of biomass feedstocks, training needs of potential new enterprises (e.g., biomass depots and pre-processing facilities), special equipment operational training (transport, pre-digester or pre-pyrolysis processing)
- Conduct outreach workshops with the staff of federal and state agencies, research institutions, industry and forest landowners to lay the groundworks and ensure local alignment with "success attributes" for bioproducts

- Conduct economic and policy analysis of wood products industry in California.
- Develop and publish business plan "Advancing the Bioeconomy in the Fresno Region: A Strategic Approach for Rural Economic Development" and "Advancing the Bioeconomy in the San Bernardino Region: A Strategic Approach for Rural Economic Development" together with the Biomass Campuses.

Reporting Relationship: The Assistant Specialist is administratively and programmatically responsible to the Biomass and Bioenergy Advisor in Riverside County.

Required Qualifications and Skills

Required Qualifications:

Education: A master's degree or other advanced degrees in disciplines in Environmental Studies, Environmental Science, Environmental Engineering, Forestry, Wood Science, Natural Resources, Public Administration, and/or related fields is required by the appointment start date.

Additional Qualifications:

- Prior experience with bioeconomy, bioenergy, or forest industry
- Experience with conducting geospatial modelling.
- Excellent written, oral and interpersonal communication skills.
- Ability to function well in a fast-paced research environment, set priorities to accomplish multiple tasks within deadlines, and adapt to ever changing needs

- This is not a remote position. The candidate must be available to work onsite. In accordance with UC ANR Flexible Work Guidelines flexible work agreements are available upon approval by supervisors and periodic re-evaluation.

- Ability and means to travel on a flexible schedule as needed, proof of liability and property damage insurance on vehicle used is required. Must possess valid California Driver's License to drive a County or University vehicle.

Desired Qualifications:

- Excellent writing skills and a record of successful grant/funding applications.
- Strong technical background in biomass process engineering, optimization modeling, and/or LCA and TEA modeling tools.
- Record of publications in scientific journals.

Skills Required: To be successful, the Assistant Specialist requires skills in the following areas:

Technical Competence and Impact

- Ensure clientele needs are assessed, and develops program goals to successfully meet clientele needs, in alignment with UC ANR's statewide Strategic Vision and initiatives.
- Conduct applied research designed to solve wildfires and biomass utilization problems in California and contribute to published research.

- Maintain and promote UC ANR's credibility by providing science-based knowledge and skills independent of personal or parochial interests.
- Represent UC ANR locally in a professional manner.

Communication

- Demonstrated excellence in written, oral, interpersonal and information technology communication skills.
- Skills to communicate and extend technical information to diverse audiences are required.
- Ability to give presentations at seminars and continuing education functions.

Collaboration, Teamwork and Flexibility

- Demonstrated ability to work collaboratively as a team member with others.
- Able to adapt as circumstances warranted.
- Promote diversity, equity and inclusion.

Lifelong Learning

- Demonstrated commitment to ongoing self-improvement - both professionally and as a person.

About UC ANR

UC ANR is a division of the University of California (UC) system that bridges the gap between local issues and the expertise of the UC system by providing research-based information, educational programs, and technical expertise to the public in areas such as agriculture, natural resources, nutrition, and youth development. UC ANR is part of a nationwide Cooperative Extension network, which began in the early 20th century to connect research from land-grant universities with the everyday needs of people in communities across the United States. Today, we collaborate with farmers, ranchers, diverse communities, youth and adult educators, and policymakers to address local and statewide issues related to food systems, water, climate change, and sustainable agriculture through a statewide network of campus-based researchers, county-based Advisors, and community educators. Our mission is to cultivate thriving communities, sustainable agriculture, resilient ecosystems, and economic prosperity in California and globally through equitable generation and sharing of collaborative, science-based solutions. Over 250 UC ANR academics conduct research, extension, and education serving all 58 counties from 70+ locations, including county-based UCCE offices, 13 statewide programs and institutes, and 9 research and extension centers. By working and living among those we serve, UC ANR expands the University of California's reach to engage all people and communities in California, ensuring equal access to the resources UC has to offer. Our vision is that UC ANR will be valued in every California community for meaningful engagement and making a positive difference in people's lives.

Learn more about

- UC ANR and UC ANR Mission Statement.
- UC ANR administers Statewide Programs and Institutes that focus research and extension on solving priority problems that engage ANR academics and UC faculty in integrated teams
- UC ANR Strategic Initiatives help unify, communicate, and advocate for the work we do.

- UC ANR UC ANR uses seven Public Value statements to communicate how our work makes a difference to the public.
- UC ANR academics are expected to share and exhibit UC ANR's commitment to UC ANR's Affirmative Action policy
- As a condition of employment, the finalist will be required to disclose if they are subject to any final administrative or judicial decisions within the last seven years determining that they committed any misconduct, are currently being investigated for misconduct, left a position during an investigation for alleged misconduct, or have filed an appeal with a previous employer.

"Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical conduct, as defined by the employer.

UC Sexual Violence and Sexual Harassment Policy

UC Anti-Discrimination Policy for Employees, Students and Third Parties

APM - 035: Affirmative Action and Nondiscrimination in Employment

Salary & Benefits

Salary: The salary will be in the Specialist series from Assistant Specialist Step 1 -\$61,300 to Step 2- \$64,700 annually of the Represented Specialist Fiscal Year Salary Scale Table. Step placement in this series is based on experience and professional qualifications. For information regarding the Specialist series salary scales, please refer to: https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t24-b.pdf This is a represented position.

This 100% appointment is a limited term with an initial appointment of one year. The merit cycle is every two years. The performance in the position will be evaluated annually. The

position will be extended based on the continued need for the position, performance and availability of funding.

Benefits: The University of California offers comprehensive benefits including health insurance, retirement plans, two days per month paid vacation, one day per month paid sick leave, and holidays. For more information, refer to the UC Benefits website at: <https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html>

How to Apply

If interested in this position, please visit: <https://recruit.ucanr.edu/> and choose "applicants" (refer to position #24-11)

Closing Date: To assure full consideration, application packets must be received by May 12, 2025 (open until filled).

Questions?

Contact Katie Kilbane; email: <mailto:klkilbane@ucanr.edu>

Applicants may wish to explore the UC Davis Services for International Students and Scholars web page at <https://siss.ucdavis.edu> and the UC ANR Green Card Sponsorship Guidelines & FAQ's for reference.

University of California Cooperative Extension

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status or other protected categories covered by the UC nondiscrimination policy.

As of January 1, 2014, ANR is a smoke- and tobacco-free environment in which smoking, the use of smokeless tobacco products, and the use of unregulated nicotine products (e-cigarettes), is strictly prohibited.

Application Requirements

Document requirements

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Curriculum Vitae - Your most recently updated C.V.

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Cover Letter

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Statement of Research - Please submit a Statement of Research and Extension Interests including how your current and/or past research and extension experience could contribute to, or be applicable to, the needs of the local community. Provide examples of potential goals and outcomes from your research and extension activities.

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Misc / Additional (Optional)

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References - Please provide 3 references including names, titles, emails and phone numbers.

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College Level Transcripts - Electronic transcripts or legible scanned copies (PDF) of original transcripts will be accepted. Transcripts must identify course work completed, grades

earned, degrees conferred and confer dates. Please DO NOT send transcripts that are password protected.

Reference requirements

- 3-5 required (contact information only)

Please provide 3 references including names, titles, emails and phone numbers.

About UC Agriculture and Natural Resources

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Job location

Riverside, CA

To apply, please visit: <https://apptrkr.com/6155124>