

Post Doctoral Associate

Please follow the steps given below to submit online application:

Step (i) Click

<https://jobs.uaex.edu/applicants/jsp/shared/frameset/Frameset.jsp?time=1243953279730>

Step (ii) Click Professional button as shown below:

U of A UNIVERSITY OF ARKANSAS DIVISION OF AGRICULTURE Cooperative Extension Service

Home
Search Jobs And Apply
Create Application
Login

Thank you for your interest in a career with the University of Arkansas Cooperative Extension Service!

View Openings by Position Type and Apply

Professor	Assistant/Associate Professor
Instructor	Technical/ParaProfessional
Clerical/Secretarial	Skilled Crafts
Maintenance	Temporary/Seasonal
Executive/Administrative/Managerial	County Extension Agent
Professional	

Step (ii): Click

Step (iii) Click View under Post Doctoral Associate title to view position information



- Home
- Search Jobs And Apply**
- Create Application
- Login

If you need to **edit your application information** before applying for a position, please select the 'Manage Applications' link on the left hand side of margin. You will not be allowed to change your application information after you have applied for a position and received a confirmation number.

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- Group Benefits
- Applicant Tutorial

Search Results								
2 Records								
▼ Position Title	▼ Currently Accepting Applications	▼ Position Location	▼ Job Open Date	▼ Salary	▼ Job Type	▼ Posting Number	▼ Position Open to Internal Candidates Only	▲ Job Close Date
Post Doctoral Associate View	Yes	Little Rock State Office	06-01-2009		Full Time (100%)	0060411	No	Open Until Filled
Program Associate - Poultry Science View	Yes	Little Rock State Office	05-08-2009	Commensurate with education and experience	Full Time (100%)	0060404	No	Open Until Filled

Step (iii) : Click

To view open postings, please enter your search criteria below. You may view all open postings by not specifying any search criteria and selecting the **Search** button.

Step iv: Click at APPLY FOR THIS POSITION to submit your application

APPLY FOR THIS POSITION

Position Information

Currently accepting applications:	Yes
Posting Number	0060411
Job Title	Post Doctoral Associate
Position Location:	Little Rock State Office
Classified Grade	
Job Type:	Full Time (100%)

Annual Salary/Hourly Rate	
Job Open Date	06-01-2009
Major Duties:	<p>The incumbent will be responsible to</p> <p>(a) Develop hydrologic models such as the Soil & Water Assessment Tool (SWAT) to simulate the effects of management practices, varying biophysical conditions, historic / climatic models derived meteorological factors, and best management practices (BMPs) on stream flow, sediment yield, delivery of nutrients and pollutants to water bodies in the study area,</p> <p>(b) Calibrate and validate hydrologic models by using multi-objective, multi-variable assessment criteria and using stream flow and water-quality data collected from historical and current state and federal monitoring networks and programs,</p> <p>(c) Develop geodatabase of various structural and non- structural BMPs, cost estimates, querying procedures in Geographic Information Systems (GIS) and apply optimization techniques to integrate hydrological model outputs for appropriate decision making,</p> <p>(d) Apply remote sensing analysis for investigating causative factors for non point source (NPS) pollution,</p> <p>(e) Prepare periodic progress reports, develop manuscripts to publish results in professional journals, provide oral presentations to stakeholders, develop appropriate materials to educate and train stakeholders, assist in grant proposal writing, and provide help to graduate students and technicians as per need.</p>
Knowledge, Skills, Abilities:	
Required Education/Experience (minimum qualifications)	<p>Ph.D. in Agricultural→ Engineering, Soil Science, Hydrology, or related field emphasizing background in hydrologic modeling is required.</p> <p>Ability to simulate the impacts of→ land-use, climate change, and BMPs on hydrology and water quality over large areas.</p> <p>Proficiency in statistical programming languages such as SPSS, SAS,→ S-Plus, or R</p> <p>Familiarity with geographic information systems (GIS),→ particularly with raster-based analysis.</p> <p>Strong analytic skills→</p> <p>→ Excellent English language writing and presentation skills</p> <p>Ability to→ effectively communicate in English and work in a team environment</p>
Preferred education/experience/skills (additional qualifications):	<p>Knowledge and experience of→ scientific and public policy issues associated with agriculture, climate, and hydrological modeling</p> <p>Experiences in applying existing models (e.g., SWAT)→ over large areas</p> <p>Proficiency in image analysis software such as ERDAS→ IMAGINE/ENVI and exposure to object oriented analysis.</p> <p>Evidence of strong→ analytical skills</p> <p>Demonstrated strong English language oral and written→ communication skills</p> <p>Programming using C/C++/Matlab and other programming→ languages such as Fortran and Python</p> <p>Programming within a GIS →</p>

Does this position require frequent driving (once a week or more)?	Yes
Position Open to Internal Candidates Only	No
Special instructions to applicants:	<p>The University of Arkansas Division of Agriculture Cooperative Extension Service does not support petitions for permanent residency for employees.</p> <p>Employment is contingent upon availability of funding and satisfactory performance.</p> <p>***Applicant must provide a valid social security number within the first three days after the starting date.</p> <p>Three letters of recommendation, a cover letter, curriculum vitae and unofficial transcript are required for consideration for this position. Applicants may attach these documents to their application and ask their references to send reference letters to the office listed below by mail, FAX or email.</p> <p>If you are unable to attach documents electronically, please indicate the posting number on the documents and submit them to:</p> <p>UA Cooperative Extension Service Human Resources Office 2301 S. University Ave. PO BOX 391 Little Rock, AR 72203 (501) 671-2251 (Fax) jobs@uaex.edu</p>
Contact Person:	Dr. Dharmendra Saraswat
Contact Email	dsaraswat@uaex.edu
Contact Phone Number:	501-671-2191
Contact Fax	501-671-2303
Work Hours	
The essential physical requirements of the position:	Bending Eyesight Hearing Repetitious movement Sitting for long periods of time Standing for long periods of time Frequent driving
Examples of the essential physical requirements	