



0214 HJ Patterson Hall
College Park, MD 20742
Phone (Office): 301-405-1215
Email: gstoor@umd.edu

Department of Environmental Science and Technology

<http://enst.umd.edu/people/faculty/gurpal-toor>

Agricultural Technician Lead

DESCRIPTION: The Department of Environmental Science and Technology at the University of Maryland seeks candidates for a field **Agricultural Technician Lead** position to be located at College Park, MD. This position will support projects related to nutrient (nitrogen, phosphorus) transport from agricultural land to receiving water bodies. The successful candidate will work with a team of lab technician, post-docs, and students working on a range of projects to investigate the fate and transport of nutrients. The salary range for this position is \$38,204 to \$45,845, commensurate with experience. Health and retirement benefits are provided as similar to the state employees.

POSITION SUMMARY: The primary duties of this position are:

1. Instrumenting and maintaining edge-of-the-field sites located throughout the State of Maryland with H-flumes, ISCO auto-samplers, flow meters, rain-gauges, and real-time *insitu* sensors.
2. Providing research support including recommending research protocols. Performing examinations and processes following general instructions. Monitoring the activity of crops and documenting research findings and results.
3. Acting as a liaison with the farmers, stakeholders, and general public; preparing and presenting agricultural demonstrations; responding to inquiries and requests which do not require specialized scientific knowledge or expertise.
4. Preparing reports and maintaining automated and/or manual recordkeeping systems pertaining to experimentation/field research.
5. Operating farm machinery including tractors, plows, mowers, combines, balers, and hand tools. Performing routine maintenance/repairs on field instruments and equipment and tools to ensure operational readiness, safety, and cleanliness.

MINIMUM QUALIFICATIONS: High School Diploma or GED and three years experience in agricultural research utilizing scientific methods **OR** A degree in agriculture or environmental sciences or engineering is preferred. Candidate must have or ability to get a valid commercial or non-commercial class B or equivalent driver license within 30 days of employment.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES: Knowledge and interest in installing and operating scientific field equipment and instruments such as H-flumes, auto-samplers, flow meters, rain-gauges, etc. Comprehensive knowledge of farming practices and equipment usage. Thorough knowledge of and ability to use scientific methods and related laboratory equipment in agricultural research. Thorough knowledge of mathematics including algebra, area, volume, weights, measures, and proportions and ability to perform mathematical calculations. Thorough knowledge and skill in the use of farm equipment. Ability to provide guidance and training to agricultural technicians and workers; to use computers; to communicate effectively both orally and in writing; to lift and transport agricultural supplies, tools, and equipment, to climb, and to perform extensive standing and walking; to work in extreme weather conditions; to wear and work in personal protective equipment.

APPLICATION: Please submit a combined PDF containing (1) a cover letter outlining your interest, experience, and qualification for the position and (2) current resume at this weblink: <https://ejobs.umd.edu/postings/65935>. The deadline for applications is **December 28 2018**.

DEPARTMENT INFORMATION: The Department of Environmental Science and Technology has 26 faculty with expertise in soil science, ecology, and ecological engineering and has the highest number of undergraduate students in the College of Agricultural and Natural Resources. The departmental faculty are nationally and internationally recognized for their work on agricultural and environmental issues. The faculty in the department are strategically spread across four cross-disciplinary themes, including soil and watershed science, wetland science, ecological technology design, and ecosystem health and natural resources management (www.enst.umd.edu).

CAMPUS/COLLEGE INFORMATION: Founded in 1856, University of Maryland, College Park is the flagship institution in the University System of Maryland. Our 1,250-acre College Park campus is just minutes away from Washington, D.C., and the nexus of the nation's legislative, executive, and judicial centers of power. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research entities, embassies, think tanks, cultural centers, and non-profit organizations is simply unparalleled. Synergistic opportunities for our faculty and students abound and are virtually limitless in the nation's capital and surrounding areas. The University has a diverse community of 39,000 students, 9,000 faculty and staff, and 352,000 alumni; all dedicated to the pursuit of Fearless Ideas. Our faculty includes 3 Nobel laureates, 2 Pulitzer Prize winners, 3 Emmy winners, and 2 Tony winners. The University is committed to attracting and retaining outstanding and diverse faculty and staff that will enhance our stature of preeminence in our three missions of teaching, scholarship, and full engagement in our community, the state of Maryland, and in the world. In addition to the renowned research enterprise and programs in academics, arts, and athletics, the university is committed to social entrepreneurship as the nation's first "Do Good" campus (www.umd.edu).