



Agricultural Utilization Research Institute

POSITION DESCRIPTION

Title:	Associate Scientist, Chemistry
Employee:	TBD
FLSA Status:	Non-Exempt, Full-time (32 to 40 hrs./week)
Reports to:	Senior Scientist, Chemistry
Location:	Marshall, MN
Avg # travel days per month	1
Salary Range:	\$62,000 - \$65,000
To Apply:	Email a letter of interest and resume to hr@auri.org

Job Summary

Provide scientific/ technical support in chemical technologies and processing of value-added agricultural products.

Key Responsibilities

1. Provide analytical chemistry services to multiple project teams. (85%)

Provide oversight and perform a limited level of laboratory analysis on samples in support of AURI programs.

- Calculate, interpret, document, and communicate data in a timely manner.
- Write technical reports to document analytical methods and results.
- Maintain laboratory notebooks documenting work.
- Collaborate on research activities with scientists or technical specialists.
- Coordinate off-site testing as necessary.
- Maintain analytical lab equipment in good repair and arrange maintenance contracts for analytical lab equipment where appropriate.
- Develop new or modify existing analytical methodologies for products related to coproducts, biobased, renewable energy, and food.
- Review projects consistent with applied research and development techniques and provide analytical and other technical information to AURI staff and clients.
- Develop and maintain a strong working relationship with AURI's project team to facilitate the successful execution and development of new projects and initiatives.
- Conduct physical and chemical analyses of agricultural biomass, raw materials, and formulations using a variety of analytical techniques to characterize their properties and composition.

2. Develop new ideas. (10%)

Devote lab and technical time to explore and experiment to bring fresh ideas to AURI.

- Develop new ideas based on professional interest.
- Explore patentable products and processes.

3. Other Responsibilities (5%)

Develop and maintain systems and procedures to ensure the timely delivery of chemical and analytical services to clients and staff.

Special projects and/or tasks assigned.

Qualifications

Required

1. Associate's degree in chemistry or a related field, e.g., medical lab technician, food science, biology, agriculture, and three years of related experience.
2. Proficiency in analytical chemistry concepts and processes in the field of analytical chemistry.
3. Operational knowledge and proficiency of technical skills and procedures, including hazardous waste disposal, laboratory safety, and analytical instrumentation.
4. The ability to solve complex problems where analysis of situations or data requires an evaluation of intangible variables.
5. Strong oral and written communication skills and excellent interpersonal skills.
6. Detail-oriented, familiar with various computer systems, and proficient in Excel and other MS Office products.
7. Valid Driver's license and personal transportation.

Preferred

1. A bachelor's degree or higher in chemistry or a related field and five years of related experience.
2. Instrumental experience with GC, HPLC, and ICP.
3. Experience with Chromeleon, ChemStation, FlashSmart, and ICP Expert software and databases.

Physical Demands

Prolonged sitting (or standing)

Extensive use of computers, mobile phones, and virtual meeting platforms.

Lifting 20 pounds.