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National Council for Air and Stream Improvement, Inc. (NCASI) Job Description

Position: Sr. Analytical Research Scientist
Reports to: Senior Program Manager, Analytical Services
Supervises: Support and mentor junior Analytical Staff
Work Week: Exempt position, full time
Revised: October 2022
Job Location: NCASI Newberry Office and Laboratories in Florida

NCASI is an organization serving the forest products industry as a center of excellence providing unbiased scientific research and technical information necessary to achieve the environmental and sustainability goals of the industry. NCASI has been supported broadly and continually by its members for more than 75 years.

We are seeking a Senior Research Scientist familiar with EPA and other environmental analytical test methods to work with the analytical team at our Newberry Office and Laboratories. This is a Senior Research Scientist position, and the successful candidate will possess a strong background in analytical chemistry including environmental, organic, and inorganic, chemistry. The laboratory encompasses 3,600 square feet and contains state-of-the-art analytical instrumentation and equipment including GC/MSs, other GC/Detector systems, LC/MS/MS, HPLC, ion chromatography, nutrient analyzers, and UV-Vis.

Essential Job Functions

The primary role of this Senior Research Scientist is to conduct analytical testing using environmental, organic and inorganic analytical methods as well as to lead the development of new methods. The activities described herein are representative of those required to be successful in this role.

- Participate in the organization and execution of research projects involving analytical components, either utilizing established quantitative analytical methods, or developing/evaluating new methods, as required, to address project analytical needs.
- Implement established quantitative analytical methods using GC-FID, GC-ECD, GC-PFPD, GC-NPD, GC/MS, HPLC-UV, IC, and LC/MS/MS, both directly and by mentoring support staff.
- Operate, maintain, and troubleshoot multiple GC, GC/MS, LC/MS/MS, and other instrument systems directly and by instructing and mentoring support staff in these functions.
- Provide analytical advice, analytical method reviews and auditing of contract laboratory data for member companies and forest products industry-affiliated organizations.
- Lead the authorship of NCASI technical reports on the development and implementation of analytical methods developed in-house, and the performance of other analytical methods when applied to samples obtained from pulp, paper, wood products and related sources.
- Be an active and collaborative member of the analytical team by actively participating in meetings, serving on standing or temporary teams, and assisting others in the lab in a manner that enhances the overall efficiency and effectiveness of lab operations.

- Prepare laboratory reports for project leaders and member companies as well as other written communications that meet the highest standards of quality.
- Prepare and present scientifically sound technical information and research findings for NCASI staff and, as appropriate, at NCASI conferences, webcasts, and other technical meetings.
- Maintain comprehensive laboratory notebooks, a neat and orderly laboratory workplace, and adhere to laboratory quality plans, QA/QC measures and SOPs.
- Read, absorb, process, and communicate complex information. Respond to internal technical queries in a competent and timely manner.
- Work safely and contribute to updating and improving laboratory safety practices.
- Support and mentor other laboratory staff, ensuring maintenance of laboratory equipment and generation and reporting of high-quality analytical data.

Minimum Qualifications

- PhD in Analytical Chemistry or related scientific discipline with 5+ years of hands-on research/method development experience on a variety of analytical techniques applied to environmental matrices. Candidates with master's degrees and 7+ years of research and method development experience on environmental matrices will also be considered.
- Hands-on experience in environmental test methods such as clean water act methods, clean air act methods, SW 846, and other environmental methods
- Strong verbal and written communication and data analysis skills.
- Strong computer skills with knowledge in Microsoft Excel, Word, and PowerPoint; experience with or ability to learn industry-specific software such as ChemStation, MassHunter and NCASI's laboratory information management system in a timely manner.
- Must be able to get to and work from the Newberry, Florida office, follow safety procedures, and work at benchtops in office.
- Valid driver's license and a driving record insurable at standard rates.
- Must be able to traverse stairs, effectively manipulate analytical glassware and instrumentation, and stand for long periods while working at benchtops or in the field. May be required to lift and carry equipment up to 30 pounds.

Additional Preferred Qualifications

- Evidence of peer reviewed publications and/or patents
- Familiarity with forest products industry environmental topics related to pulping and papermaking process operations.

Work Authorization / Insurance Requirements:

- Must be eligible to work in the United States
- Must have driving record that can be insured at standard rates

To Apply

Provide a CV or resume along with a cover letter describing interest in the position. Contact information for three or more references may be requested. All application materials should be

submitted to Tracy Stubbs (tstubbs@ncasi.org), identifying “Senior Research Scientist – Environmental Analytical Research” in the subject line. Applicant review will begin on October 17, 2022 and continue until the position is filled.