

making chemistry data meaningful

Senior Scientist

Chemistry Matters Inc. is an exclusively remote office-based business and is quietly searching for self-motivated team members who are interested in working on highly technical and high-profile work. Individuals need not apply if they are unwilling to strive for perfection and continual improvement in our product and knowledge.

CMI is in search of a Senior Scientist to add to our growing team. The successful candidate will be required to read large collections of scientific documents and research related literature to support or contradict opinions provided by opposing experts. The ability to follow the scientific method is vital to our process. When the scientific method is not followed, the ability to identify the issues and communicate why will be a critical job role.

The candidate will validate data received from laboratory sample results, perform statistical analyses, and prepare client reports and industry presentations. The ideal candidate will have a strong chemistry background with a science degree, strong familiarity with environmental laboratory analytical protocols, excellent database and data handling skills, specialist level knowledge and understanding of univariate and multivariate statistics, and excellent written and oral communication skills. This position also involves management of projects and coordination of workflow to meet sometimes expedited deadlines.

Job description (4-6 bullets)

1. Primary responsibilities include interpretation of environmental, forensics and geoforensics chemistry data. This will involve reading, interpreting, confirming and validating conclusions and writing highly technical reports.
2. Participation in diverse projects involving exploratory data analysis, statistical modeling, study design, and data visualization.
3. Development and management of multiple projects and team members.
4. Pursuit of professional development, including conference presentations and journal publications, to improve professional visibility.

Required Skills include but are not limited to:

1. M.Sc. in science (PhD and chemistry would be an asset), coupled with five years of related consulting experience.
2. Proficiency in analytical chemistry and data quality, specifically, in-depth understanding and knowledge of PCBs, PAHs, PFAS, dioxins/furans, petroleum hydrocarbons, volatile organic compounds and metals.
3. Highly motivated, independent worker - must be well disciplined and deadline driven.
4. Data analysis and visualization experience required with strong knowledge and understanding of various scientific software used to analyze large datasets and visualize/communicate the results.
5. Excellent communication skills and the ability to communicate complex science and statistical concepts to non-technical audiences.
6. Business development skills and professional consulting experience. A record of professional contributions as evidenced by publications or related activities would be an asset.
7. Proven fluency in office software programs (e.g., Microsoft Word® and Excel®) with experience in report writing using references and preparing presentations.

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5. Consulting Services – work from home with flexible work schedule as long as core hours are generally met. Some travel and field work may be required. Applicants must have all required safety tickets. Work hours will fluctuate depending on deadlines. Must be willing to work longer hours to meet deadlines when required.
6. Virtual Office/Work remotely - staff and project meetings will be conducted through Skype and GoToMeeting. Fast internet connection will be required.

Contact email - Interested applicants are encouraged to submit their resume and cover letter by email to info@chemistry-matters.com with a cover letter that answers:

1. Why are you the best candidate for the position?
2. How do you manage work balance while working from home?
3. How do you strive to improve and increase your value/knowledge?

Company Description

Chemistry Matters Inc. is a niche environmental consulting firm based in Calgary, Alberta, Canada. Specializing in geoforensics, environmental forensics, biomonitoring and arson investigations. Chemistry Matters provides expert environmental and chemistry consulting services to a variety of clients and industries. With services that are founded on chemistry principles and proper application of scientific methods, Chemistry Matters often provides expert support and expert witness services to projects involving litigious subjects. Learn more about Chemistry Matters at <http://www.chemistry-matters.com>.