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| Rb | Sr | Y | Zr | Nb | Mo | Tc | Ru | Rh | Pd | Ag | Cd | In | Sn | Sb | Te | I | Xe |
| Cs | Ba | La | Hf | Ta | W | Re | Os | Ir | Pt | Au | Hg | Tl | Pb | Bi | Po | At | Rn |
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| | | Ce | Pr | Nd | Pm | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | | |
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Hi, my name is Liyan Xing. I am the new editor of the **CSASS Newsletter**. The **Newsletter** has evolved from *Canadian Spectroscopic News* as the society has different name back then (*Spectroscopy Society of Canada*). I volunteered to edit it upon suggestion from Dr. Diane Beauchemin. The goal is to keep members abreast of CSASS activities. If there is information that you would like to see and contribute, just drop me a line. The **Newsletter** is published 3 times a year in April, August and December respectively. As the name of the newsletter has changed from previous issues, the issue number will get a fresh start. The *Volume* number represents the year it is published and starts from 1 for 2019; the *Number* represents each issue and starts from 1 for this April issue. The Newsletter will start a new section “**Do you know...**” that present topics of common interests, like research work made by CSASS members, technical breakthrough in this field, common errors and troubleshooting tips, etc. As a start, the first issue will include an introduction of the 4 core officers : President, VP, Treasurer and Secretary. Also included in this issue are the contact information of the executives and regional officials and reminders for the upcoming conferences of **63rd ICASS & Spectr 'Atom 2019** and related events.

The following is a brief introduction of myself. I have a M.Sc. in Organic Chemistry from Concordia University and a Ph.D. in Analytical Chemistry from Queen's University under the supervision of Dr. Diane Beauchemin. I am interested in various types of instrumental analysis techniques like mass spectrometry, HPLC, NMR, X-ray crystallography, etc., and of course my focus is ICP-MS related analyses. My repertoire of specialties includes: isotopic ratio analyses using multi-collector ICPMS with different sample introduction systems like direct liquid aspiration, solvent desolvation device (DSN, Aridus , Apex , etc) and laser ablation system; trace elemental analysis and speciation analysis with a variety of ICP-MS instrument types (quadrupole, time-of-flight and sector field) in both regular and high resolution modes; method development on sample preparation (digestion and column separation); and automation of data processing with Excel VBA.

I have worked as a Research Associate at PCIGR lab of the University of British Columbia, lab manager in the Metal and Isotope Geochemistry lab of University of Waterloo, and R&D senior scientist at Activation Laboratories. I just left my last job and am looking for a new one. My email for communication about this Newsletter is lyxing2002@hotmail.com.

This **Newsletter** is published by the Canadian Society for Analytical Sciences and Spectroscopy. The internet address of the society is : <http://www.csass.org>

National Executive of CSASS

| | | |
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| Vice President | Taddese Godeto | Email: Taddese.godeto@ontario.ca |
| Secretary | Milithza Silva | Email: silva.milithza@gmail.com |
| Treasurer | Ahmed Al Hejami | Email: 14assa@queensu.ca |
| Past President | Marc Lamoureux | Email: marc.lamoureux@smu.ca |

Regional Directors of CSASS

| | | |
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| Vancouver/Victoria | Ed Paski | Email: ed@edpaski.com Tel: (604) 929-3213 |
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| Quebec Province | Karen Waldron | Email: karen.waldron@umontreal.ca Tel: (514) 343-6516; |
| Atlantic Canada | Marc Lamoureux | email: marc.lamoureux@smu.ca |

CSASS and ICASS

The society is a non-profit organization founded in Ottawa in 1957 as the Canadian Association for Applied Spectroscopy. It was renamed in 1967 as The Spectroscopy Society of Canada - La Société de Spectroscopie du Canada. In 2004, it was renamed the Canadian Society for Analytical Sciences and Spectroscopy so as to encompass the full range of interests of its members. The Society organizes an annual scientific conference, The International Conference on Analytical Sciences and Spectroscopy (ICASS). Workshops are usually offered in conjunction with ICASS.

Joint conferences of 63rd ICASS and Spectr'Atom 2019 will be held at **Marriott Montreal Airport In-Terminal Hotel, 800 Place Leigh-Capreol, Dorval, QC H4Y 0A4, Canada on June 25-28, 2019.**

Details about the programs and courses being offered are at <http://www.csass.org/ICASS.html>.



The Annual General Meeting will be held over lunch (starting at noon) on **June 27** during the **63rd JCASS & Spectr'Atom 2019** **June 25-28**

***Marriott Montreal Airport In-Terminal Hotel
800 Place Leigh-Capreol, Dorval, QC H4Y 0A4, Canada***



❖ **2019 Gerhard Herzberg & Thermo Fisher Scientific Spectroscopy Awards [Call for Nominations](#)**

❖ **Burgener Research Graduate Student Travel Award [Call for Application](#)**



- ✓ **It is not too late to present a poster at these conferences.**
- ✓ **Oral presentations may also be accepted after the official deadline if they can be accommodated in the program.**

Do you know...

Diane Beauchemin



A native of Rosemère, QC, Diane Beauchemin studied at l'Université de Montréal. She obtained a B.Sc. in 1980, and a Ph.D. in 1984 as supervised by Joseph Hubert. She then worked as a Research Associate at the National Research Council of Canada until she joined the Department of Chemistry at Queen's University in 1988. She was promoted to Associate Professor in 1993 and became Full Professor in 2001.

Her research efforts focus on inductively coupled plasma (ICP) mass spectrometry (MS) and optical emission spectrometry (OES) from both fundamental and application perspectives. Her work has been recognized by the following awards and prizes:

- Alan Date Memorial Award (in ICPMS) in 1988
- 1991 Maccoll Prize
- NSERC Senior Industrial Fellowship to work in the R&D Division of SCIEX (sole Canadian ICPMS manufacturer) in 1995
- 2017 Maxxam Award from the Canadian Society for Chemistry (CSC)
- 2018 Gerhard Herzberg Award from the Canadian Society for Analytical Sciences and spectroscopy (CSASS)
- 2019 Clara Benson Award from the CSC

Her research has so far resulted in 128 peer-reviewed papers, 1 book, 8 book chapters, 8 invited reviews, 1 invited editorial, 8 invited book reviews, 87 invited conference presentations, 28 invited seminar presentations, 7 broadcast interviews, 1 patent and 184 contributed conference presentations.

She is renowned for finding simple solutions to problems, which is why all her sabbatical leaves have been sponsored by industry and her students usually have an industrial position lined up before graduating. Several of the approaches that she proposed are used worldwide. Her contributions include a method to locate under-terrain ore deposits in geochemical exploration, a pragmatic approach to risk assessment of food safety and a forensic analysis method to identify the source of paint scrapings in hit-and-run cases. The latter resulted in collaboration with the Royal Canadian Mounted Police. Her innovation on improving the sample introduction system so as to improve sensitivity without jeopardizing plasma robustness, which has attracted interest from several ICP instrument manufacturers, resulted in a broadcasted interview at the 2011 Pittcon tradeshow. Her quick method for the direct multi-elemental analysis of head hair to infer gender and ethnicity received considerable international media coverage.

She has organized numerous symposia and conferences (including the upcoming 2019 International Conference on Analytical Sciences and Spectroscopy as well as Spectr'Atom 2019). She received a Distinguished Service Award from the (then) Spectroscopy Society of Canada in 2001. From 2003 to 2006, she was President of CSASS and is currently serving again as President.

Do you know...

Taddese W. Godeta



Taddese Godeto holds B.Sc. and M.Sc. in chemistry from the Addis Ababa University, Ethiopia and a Ph.D. in chemistry from the University of Graz, Austria with a focus on elemental and speciation analyses. After completing his Ph.D. studies, Taddese did postdoctoral research on breath metabolites at Lakehead University, Canada; elemental and speciation analyses of flue gas desulfurization process waters at Trent University, Canada; nutritional composition of foodstuffs at the National Fisheries University, Japan; and study of platinum group metals and foodstuffs at Tshwane University of Technology, South Africa.

These projects involved collaboration between academic, government and industrial partners. Taddese spent most of his career in academia (most recently working as associate professor) until he joined the Ontario Public Service in 2016 as senior research scientist.

As an educator, Taddese taught a range of chemistry courses in both undergraduate and graduate levels, supervised/co-supervised over 15 graduate and over 30 undergraduate research projects, examined M.Sc. and Ph.D. theses, received research grants, and authored over 35 peer reviewed journal articles, conference proceedings and book chapters.

He is the analytical chemistry section editor for the Bulletin of the Chemical Society of Ethiopia and an occasional reviewer for several chemistry journals including the South African Journal of Chemistry, Elsevier, Wiley and ACS.

Currently, Taddese works as a Senior Inorganic Chemistry Research Scientist at the Laboratory Services Branch, Ontario Ministry of the Environment, Conservation and Parks. Taddese's role in this position is supporting the Protection of Environmental and Human Health as well as to developing new laboratory technologies to improve efficiency and analytical capability. Taddese leads method development projects, liaises applied research collaboration with academia, government and private sectors, assists with procurement of state-of-the-art analytical instruments and provides overall scientific support to the Branch. Taddese seeks extending collaboration with academic and private partners to better address major environmental issues related to emerging and legacy contaminants.

Do you know...

Milithza O. Silva



Milithza O. Silva has B.Sc. in Chemistry from University of Panama and a M.Sc. in Analytical Chemistry from Queen's University. Milithza is the current Secretary of Canadian Society for Analytical Sciences and Spectroscopy (CSASS). Milithza is specialized in analysis using ICP-MS and ICP-AES and is proficient in X-ray Fluorescence, ultraviolet-visible spectrophotometry, thin layer chromatography and column chromatography. She is also familiar with electrochemical techniques, Hg analysis by cold vapour atomic absorption spectrophotometry (AAS), graphite furnace AAS, laser ablation, high performance liquid chromatography, and water and soils digestions.

Milithza has been working in the industrial sector since graduation, in the following positions:

- Inorganic Lab Manager at AGAT Laboratories Ltd, Mississauga, ON, Canada (March 2017 to present)
- Lab Manager/Technical Manager at Actlabs Pacific Pty. Ltd, Perth, WA, Australia (September 2011- July 2014)
- Analytical Supervisor at AGAT Laboratories Ltd, Mississauga, ON, Canada (May 2009 – August 2011)
- Inorganic Chemical Analyst at Maxxam Analytics Inc., Mississauga, ON, Canada (August 2005 – October 2009)

Ahmed Al Hejami



Ahmed Al Hejami received a Ph.D. in Analytical Chemistry from Queen's University under supervision of Professor Diane Beauchemin. He is currently a Mitacs Accelerate Post-Doctoral Fellow at Queen's University. His research interests focus on method development for multi-elemental analysis using inductively coupled plasma (ICP) optical emission spectrometry (OES) and mass spectrometry (MS). Currently, he is collaborating with Burgener Research Inc. to develop a compact enhanced nebulization system for ICP-MS/OES applications.

Ahmed is a member and the current Treasurer of Canadian Society for Analytical Sciences and Spectroscopy (CSASS) as well as a member of Canadian Society for Chemistry (CSC), Association of the Chemical Profession of Ontario (ACPO) and Pharmaceutical Sciences Group (PSG). He has served as a volunteer with Immigrant Services at KEYS and Immigrant Services Kingston and Area supporting newcomers to help them settle and integrate into their new community.

ACADEMIC BACKGROUND

Ph.D. in Analytical Chemistry, Queen's University, 2019

M.Sc. in Analytical Chemistry, Ryerson University, 2014

M.Sc. in Organic Chemistry, Al-Nahrain University, Baghdad, Iraq, 1995

B.Sc. (Hons.) in Chemistry, Bagdad University, Baghdad, Iraq, 1990