



# Association of Applied Geochemists

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## FROM THE PRESIDENT



I hope your 2017 is off to a positive and productive start. In my corner of the globe (Western Australia) there are subtle indicators that the minerals industry is gradually improving from what has been referred to as an “extended downturn”, or a trough. Historically, these activities are cyclical and, perhaps, 2017 is trending in a positive direction for the minerals sector, fingers crossed. Of our applied geochemistry members, the consultancy sector is probably the worst affected by these extended

economic downturns, and this trickles down from exploration geochemistry-related consultancy through resource recovery and into remediation and the environmental geochemistry realm. I recognise that these times are challenging for a number of our AAG members and, in particular, I'd like to thank you for your loyalty to the AAG.

In 2017, the Geological Survey of Canada (GSC) celebrates its 175<sup>th</sup> year. Founded in 1842, the GSC is Canada's oldest scientific agency and continues to play a leading role in exploration and in sustainable development of Canada's mineral, energy and water resources. Many of our members have either been part of the GSC or collaborated with GSC staff over the decades in many important areas of resources research. The GSC continues to be an important contributor to, and mentor of students in, applied geochemistry. On behalf of the AAG, I congratulate Canada for the continued success of this important scientific institution and wish it well for the next 175 years!

**Ryan Noble**, President AAG

## REGIONAL COUNCILLORS

The AAG maintains a global network of eight regional councillors. Three of them are introduced below.

### Katherine Knights – UK and Republic of Ireland



Katherine (Kate) is currently a geochemist with the Geological Survey of Ireland. She holds an MSc in geochemistry and has over ten years' experience in environmental (regional/rural/urban) geochemistry and project management in European geological surveys, exploration geochemistry, and systematic geochemical baseline surveys of soils, stream sediments, water and vegetation. Additionally, she has experience in mapping techniques and exploration applications in the UK and internationally.

She has specific skills in comprehensive field, laboratory and data QA/QC procedures; data conditioning; mapping and data interpolation; and statistical analyses of geological and geochemical datasets, including univariate, multivariate and geostatistical methods. Kate is proficient in the use of geographic information system (GIS) software and databases, statistical programs, MS Office and geochemical modelling packages.

### João H. Larizzatti – Brazil



João is an experienced geologist and geochemist currently employed by the geochemistry division of the Geological Survey of Brazil (CPRM) based in Rio de Janeiro. He graduated in geology from the Universidade Estadual Paulista (Brazil) in 1987 and obtained a DSc in geochemistry and geotectonics from the Universidade de São Paulo (Brazil) in 2002. At the CPRM, he works in regional geochemical mapping applied to mineral exploration and geological mapping, with a particular interest

in the CPRM geoscientific database, data integration within GIS, and geochemical data treatments.

### Iftikhar A. Malik – Southeast Asia



Iftikhar completed a BSc (Hons) in geology in 1969, followed by an MSc in mineralogy and petrology from the Punjab University, Lahore (Pakistan). He obtained a Pakistan Atomic Energy Commission's Research Scholarship in 1972 and for two years carried out research on uranium mineralization at Baghal Chur (Pakistan). In 1975, he joined the Pakistan Mineral Development Corporation (PMDC) at its Quetta (Baluchistan) office where he remained until he retired as deputy general manager in 2007. His position gave him the opportunity to work throughout the country and in three great mountain ranges: the Himalaya, Karakoram and Hindu Kush. He contributed to the field of geochemistry using data from a decade-long program of stream sediment data collection in northern Pakistan. He was involved in the creation of the Punjab Geological Society, the Baluchistan Geological Society and the National Geological Society of Pakistan.

## RECENT ARTICLES IN GEOCHEMISTRY: EXPLORATION, ENVIRONMENT, ANALYSIS Vol. 11, No. 1, February 2017

**Geochemical and mineralogical controls on metal(loid) dispersion in streams and stream sediments in the Prairie Creek district, NWT** – Kristina Skeries, Heather Jamieson, Hendrik Falck, Suzanne Paradis, and Stephen Day

**Geochemical and mineralogical controls on metal(loid) mobility in the oxide zone of the Prairie Creek Deposit, NWT** – Drew Stavinga, Heather Jamieson, Daniel Layton-Matthews, Suzanne Paradis, and Hendrik Falck

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