

## **ASG Travel Grant Report – 2023 European Conference on Plasma Spectrochemistry (EWCPs)**

The European Winter Conference on Plasma Spectrochemistry is an annual conference in which leading scientists from across Europe meet to discuss the ongoing work in fields relating to metallomics, speciation, isotope characterisation and other applications of ICP. This year the conference took place in Ljubljana, the capital city of Slovenia, where it was hosted by Slovenia's National Institute of Chemistry and chaired by Vid Simon Šelih Martin Šala. The conference attracted a wide range of research disciplines within analytical sciences, ranging from seasoned experts to emerging researchers such as myself.

The conference was abundant with research on the less abundant trace elements, and allowed an in-depth exploration of the forefront of chemical sciences. Applications ranged from chicken bone to glacier analysis, exhibiting how developments in instrumentation, both commercialised and home-grown have allowed the transformation of what is possible for analysis on modern spectrochemical & MS based techniques. The conference also attracted a wealth of sponsors, which guided the space between talks with news of new instrumentation and techniques that help to make complex analysis accessible to the wider scientific community.

Whilst the conference offered a familiarity, new and diverse contributions from wider disciplines made the scientific discussion all the more lively. Multimodal analysis became a pertinent topic for discussion as exhibitions of multimodal MSI showed how a multifaceted and multi-disciplinary approach to analytical science can help our community grow and change more rapidly, keeping analytical science at the forefront of research.

I feel extremely privileged to have met such a warm community of similarly minded scientists, and grateful to the RSC for the opportunity to attend a well renowned conference in a richly cultured city like Ljubljana.

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## Report for the RSC Travel Bursary to attend EWCPs 2023

I would like to thank the Royal Society of Chemistry Atomic Spectroscopy Group for the travel bursary to attend the European Winter Conference on Plasma Spectrochemistry (EWCPs), which was organized by the National Institute of Chemistry, Slovenia, and took place in Ljubljana between the 29<sup>th</sup> January and 3<sup>rd</sup> February 2023. With the support from this bursary, I was able to present my work

Characterisation of gas cell reactions for 73 elements with nitrous oxide for tandem mass spectrometry measurements

The conference began with 6 short courses covering a wide variety of aspects of ICP-MS theory and use. The opening ceremony then followed, with two musical