

Free
Seminar
Victoria

Possibilities and Limitations of Modern Voltammetric & Amperometric Methods with Professor Jiri Berek

You are invited

Metrohm Australia invites you to a Voltammetric and Amperometric Seminar in Melbourne together with Professor Jiri Berek of Charles University, UNESCO Laboratory of Environmental Electrochemistry from Prague, Czech Republic.

The presentation will be focused on recent applications of modern voltammetric and amperometric methods for monitoring of trace amounts of biologically active organic compounds. The advantages of electroanalytical methods will be discussed including, but not limited to, low cost, possibility of miniaturization, portability compatible with on-site measurements, point of care devices, large scale monitoring, compatibility with green analytical chemistry. Additionally, the critical comparison of bare and modified electrodes from a practical point of view will also be discussed.

Possibilities of modern electroanalytical methods in combination with separation methods such as high performance liquid chromatography and/or capillary zone electrophoresis with electrochemical detection to increase selectivity, or flow injection and/or sequential injection analysis to increase through-put, will be demonstrated.

Scope and limitation of electrochemical sensors/biosensors together with their advantages and disadvantages will be mentioned. An attempt to compare fascinating possibilities of modern separation and spectrometric methods with modern electroanalytical methods from the point of view of practical applicability will be done together with evaluation of their practical applicability to answer different questions in modern analytical chemistry. The obvious and imaginary disadvantages of electroanalytical methods will be discussed together with their possible overcoming.

At the end, Professor Jiri Berek will provide a personal view on future developments in the field of modern electroanalytical methods.

Equipment

- Metrohm Autolab
- Metrohm Dropsens
- Metrohm DropSens Spectroelectrochemistry Raman



Metrohm Australia
Unit 11, 56 Buffalo Road, Gladesville, NSW 2111
PO Box 433, Ryde, NSW 2111
T (+61) 02 8899 5200 F (+61) 02 8899 5299
mep.metrohm.com.au

20 November 2018

Victoria (Updated 14 Nov 2018)
Monash University

Bruce West Seminar Room School of Chemistry
17 Rainforest Walk Clayton, Victoria 3800

Programme (Updated 14 Nov 2018)

- 10:30 am Registration and arrival
- 11:00 am Possibilities and Limitations of Modern Voltammetric and Amperometric Methods with Professor Jiri Berek
- 12:00 pm Open discussion and questions with Professor Jiri Berek
- 12:25 pm Conclusion
- 12:30 pm Complimentary lunch
- 01:30 pm End

Instructors

- Professor Jiri Berek, Charles University, Faculty of Science, Department of Analytical Chemistry, UNESCO Laboratory of Environmental Electrochemistry, Prague, Czech Republic
- Dr Sivanesan Arumugam, Metrohm Electrochemistry & Spectroscopy Product Manager, Australia and New Zealand
- Steven Tsalamandris, Territory Manager, Victoria

Registration

Register online: mep.metrohm.com.au/mep-events/

For further information or enquiries feel free to contact **Paula Britz: (+61) 02 8899 5222** or email paula.britz@metrohm.com.au

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