

9th International IGC Symposium

Review, Validation and Future of
Inverse Gas Chromatography

Online and free:

16th June 2020, 13:30 - 17:00

www.inverse-chromatography.com

Review, Validation and Future of Inverse Gas Chromatography

This symposium focuses on effective and valuable **surface characterization of powders, fibers and plates** based on the dynamic adsorption of up to 20 different gas probes, also known as Inverse Gas Chromatography (IGC).

Review: the commercial use of IGC is around 20 years old with Adscientis celebrating its 20th anniversary in year 2020! What experiences have been made and which advances were made? BASF, Adscientis and the group of Prof. Adam Völkel tell their stories!

Validation: Reliability is a key topic in analysis, but how do different labs and instruments perform? For the first time, different groups by industry (**Kronos, BASF, Porcher, Solvay, Adscientis**) and academia (**Strasbourg, Poznan, Fraunhofer et al.**) participated in an **IGC round-robin test**. Results will be presented and discussed - to improve and validate IGC procedures.

Future: During the last years new ways to use IGC and new applications have been explored. Some examples will be presented and new concepts being discussed.

The program is compact and **ideally suited for industry representatives** from **R&D, product development and analytical departments** as well as researchers from institutes.

This year the IGC Symposium will be online due to the pandemic crisis. We decided to offer it free to all participants. Join the symposium from anywhere in the world on

16 June 2020 1:30 - 5.00 pm (Zurich time)

Register now: www.inverse-chromatography.com

Program

- ▶ 1:30 pm Welcome and introduction
- ▶ **REVIEW**
 - ▶ Adscientis, Eric Brendle - 20 Years of IGC Experiences & Learnings
 - ▶ BASF, Matthias Kellermeier - Quantifying (mal)odor uptake by sorbent materials using inverse gas chromatography
 - ▶ University Poznan, Prof. Adam Voelkel - How we apply Inverse Gas Chromatography in our research
- ▶ **VALIDATION**
 - ▶ IGC Round-Robin Test by 12 different organizations
 - ▶ Setup, Results, Interpretations and „Best practices“
 - ▶ Open questions and discussion
- ▶ **FUTURE**
 - ▶ Steven Abbott - From IGC data to Formulation Insight
 - ▶ L'Oreal, Joelle Huynh-Essautier - Mineral pigments surface properties: assessment of IGC-ID technique for leveraging quantitative knowledge and prediction of dispersion properties.
 - ▶ University of Strasbourg, Sana Labidi - IGC-ID for PrOx catalysts based on bio silica
 - ▶ Inolytix, Ralf Dümpelmann - The beauty of new IGC applications

For any questions please contact us:

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Organizers:

