

**PROCESS AND
ANALYTICAL
CHEMISTRY,
THERE ARE
MORE
SIMILARITIES
THAN YOU
THINK!**

**AN RSC PROCESS CHEMISTRY
AND TECHNOLOGY GROUP
EVENT**



7th February 2024
14.00-16.00 GMT,
Online

Target audience: early career chemists, technologists or analytical scientists, working in the area of bulk and high value chemicals.

Talks from scientists working in industrial catalysis, petrochemicals, pharmaceuticals and performance materials, will be followed by a panel discussion. This event will highlight how a little learning about an area that interfaces with your home discipline can go a long way.

Registration details:

<https://www.rsc.org/events/detail/77916/rsc-colearning-event-process-and-analytical-chemistry-there-are-more-similarities-than-you-think>

Recognised industry & academic experts will provide answers:

Alta Ferreira- Sasol, Mark Hughes- GSK (Retired), Shruti Biyani- Dow Chemical Company, Ian Ball- Johnson Matthey

Programme of Speakers

14:00	Introductions, Dr Alan Steven	RSC PCTG	
14:05	Dr Alta Ferreira	Sasol	Analytical Chemistry: the unsung hero of the Chemical Industry
14:30	Mark Hughes	GSK (Retired)	Analytical challenges and learnings from developing a multistage flow process
14:55	Dr Shruti Biyani	Dow Chemical Company	Parallels Between Process & Analytical Chemistry: Highlights from an Early Career's Perspective
15:20	Dr Ian Ball	Johnson Matthey	Moving from the laboratory to the production plant
15:45	Panel Discussion		
16:00	Meeting Close		



Analytical Chemistry: the unsung hero of the Chemical Industry

Dr Alta Ferreira, Sasol

Dr Alta Ferreira is the Senior Manager for Sasol's Research and Technology Analytics department. Her team focuses on developing "fit-for-purpose" analytical technology/methodology to enable reliable analytical data for Sasol's operations in South Africa. In addition to this the R&T Analytics team supports Research using advanced analytical techniques to answer specific research questions.



Analytical challenges and learnings from developing a multistage flow process

Mark Hughes, GSK (Retired)

Mark Hughes spent fifteen years developing flow processes through understanding reaction kinetics and process analytics



Parallels Between Process & Analytical Chemistry: Highlights from an Early Career's Perspective

Dr Shruti Biyani, Dow Chemical Company

At Dow, she has worked on multiple projects including manufacturing & engineering fundamental problem-solving, new capability development for inline reaction monitoring, competitive de-formulation, and organizational initiatives like lab of the future OpenLab implementation. Shruti is passionate about organic chemistry, empowering women in STEM & solving challenging chemistry problems.



Moving from the laboratory to the production plant

Dr Ian Ball, Johnson Matthey

Ian Ball has worked in heterogeneous catalysis for Johnson Matthey for over 20 years. He has held various technical and leadership roles, working within research and development laboratories, as a laboratory manager, and providing technical support for production plants. Ian is an elected member of the RSC analytical community council, a fellow of the RSC, a chartered chemist, a chartered scientist, and black belt in lean six-sigma.