

Applications of Flow Chemistry in API Synthesis

Jan
28 & Feb
11

Online Training Course
January 28 & February 11, 2022 (Friday)
1.00 pm - 5.00 pm

- Flow Reactors
- Reactions & Chemistry
- Scale-up Challenges
- Case Studies

Applications of Flow Chemistry in API Synthesis

11 Feb 2022 - 11 Feb 2022

CONFERENCE PROGRAMME

Friday, 11th February 2022

13:00	Welcome address and Introduction to the Tutor
13:05	Introduction to micro reactors and flow chemistry Paul Watts , Research Chair in Microfluidic Bio/Chemical Processing, Nelson Mandela University, South Africa A brief introduction to the type of reactors used will be given, but most time will be devoted to the key concepts such as heat transfer and mixing.
13:30	Reactions in flow chemistry Paul Watts , Research Chair in Microfluidic Bio/Chemical Processing, Nelson Mandela University, South Africa This section will review in detail the reactions related to the following with respect to API synthesis like Homogeneous liquid-phase reactions, Multi-phase reactions and catalysis, High temperature chemistry, Photochemistry, Electrochemistry
14:45	Break
15:00	Scaling-up in Flow Paul Watts , Research Chair in Microfluidic Bio/Chemical Processing, Nelson Mandela University, South Africa Application of technology for Industrial Scale Manufacture and Scale up
15:45	Case Studies Paul Watts , Research Chair in Microfluidic Bio/Chemical Processing, Nelson Mandela University, South Africa Flow chemistry case studies with special reference to pharma industry

16:15	Challenges in flow chemistry Paul Watts , Research Chair in Microfluidic Bio/Chemical Processing , Nelson Mandela University , South Africa Challenges faced by scientists and chemists in implementing and scale up of flow chemistry in organic synthesis
16:45	Q/A Session
17:00	Closing Remarks and End of the Training Course