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 asheat 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 Homogeneousliquid-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**