



**Dr Victor Sans Sangorrin**

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<http://sansresearchgroup.wixsite.com/home>

**Lecturer: “Integrated design across the scales with additive manufacturing (Advanced Materials)”**

After graduating an MEng degree in Chemical Engineering at the University Jaume I in 2003, followed by a MSc and a PhD in Sustainable Chemistry (2007) I took a post-doctoral appointment at the University of Bath and later Warwick under the supervision of Prof. Alexei Lapkin. In 2011 I moved to Glasgow to work in the Cronin group as a PDRA and since 2013 as a Research Fellow in the same group. In 2014 I was appointed Assistant Professor at the University of Nottingham where I currently develop my professional career in research and education as an independent academic.

My research interests lie in the interface between chemistry and chemical engineering in the area of Sustainable Engineering and Chemistry. My primary research interests are based on the development of innovative catalytic solutions for a variety of processes aiming to tackle the grand challenges that humanity is facing. My research aims to develop Sustainable Manufacturing Processes (SMPs) integrating process intensification, additive manufacturing (3D-printing), heterogeneous (bio)catalysis, real-time analytics and feedback optimisation. This integrative approach will lead to transformative systems for the discovery and processing of new materials, products and chemicals with applications in diverse fields, including waste valorisation and in the fine and pharmaceutical industry. Another area of interest is the development of engineering solutions for the processing of complex chemical systems (e.g. supramolecular chemistry, nanotechnology).