

Stefan Klotz, IMPMC, Sorbonne Université - Scientific publishing and my job as an editor

My talk will give an introduction on the world of scientific publishing on the example of a journal I manage, High Pressure Research. I will explain the role of an editor in relation to the publisher, the machinery from submission to publication and address questions on bibliometrics and publishing ethics.

Resume: Was born in 1961 in Germany and studied physics at the University of Munich (Germany), the University of Grenoble (France), and Washington University at St. Louis (USA), followed by a postdoctoral research at University P&M Curie in Paris (now Sorbonne University). He then served as an Assistant and Associate Professor of Physics at the same university from 1996 on and became senior Professor in 2007. S. Klotz is Editor-in-Chief of the international journal High Pressure Research since 2001 and is involved in a number of national and international organizations such as the European High Pressure Research group (EHPRG). His research covers structural and dynamical properties of matter under high pressure probed by neutron scattering. He is author of ~200 papers and reviews in the field of high pressure physics and technology and has been invited to at least 80 conferences worldwide. He is also author of a textbook entitled "Techniques in High Pressure Neutron Scattering" (CRC Press –Taylor and Francis, 2013).

Sarah Hijman, Université Paris-Cité - Identifying Chemical Composition in the Nineteenth-Century: the example of tantalum and niobium

The history of chemical composition is completely intertwined with that of chemical analysis and the development of new analytical techniques. During the eighteenth- and nineteenth centuries, most of the newly discovered elements were identified through the analysis of mineral samples. But despite these successes, chemists often had difficulties distinguishing between very similar elements and many discoveries were subject to debate.

Using the example of tantalum and niobium, this presentation will provide an overview of various aspects of the history of nineteenth-century chemical analysis. How were the methods of classical analysis developed? How did chemists share information about their techniques and results? What were the social stakes of discovering a new element? How did the development of new analytical tests facilitate the identification of chemical composition? Since the nature of these two metals was debated for most of the nineteenth century, their history provides an interesting glimpse into the history of chemistry for this period.

Estelle Elizagoïen, European Commission

Estelle Elizagoïen, Policy Officer at the Directorate-General for the Environment of the European Commission, will provide an overview of European policies for resources sustainability and management, from design to waste, and present how these relate to EU objectives and challenges, such as climate change and industrial policy.