

ONLINE POSTGRADUATE SUMMER SCHOOL ON GREEN CHEMISTRY

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Lectures and teachers 2020



Liliana Mammino

Emeritus professor at the University of Venda (South Africa)

Lecture title: The study of molecules and the design of substances: interfaces between green chemistry and computational chemistry

Profile

Liliana Mammino holds a degree in chemistry from the University of Pisa (Italy, her home country) and a PhD in chemistry from Moscow State University (Russia). She is currently an emeritus professor at the University of Venda (South Africa), where she has been working since 1997, teaching the physical chemistry courses at all levels, the first year general chemistry course and the third year process technology course, and establishing computational chemistry research de novo (a field in which she has also been training post-graduate students). Her earlier work experiences include chemistry teaching at the National University of Somalia (1974-75), University of Zambia (1988-1992), and National University of Lesotho (1993-1996). Her research interests comprise theoretical/computational chemistry (her field of specialisation, with main focus on the computational study of biologically active molecules), and chemistry education (with main focus on conceptual understanding, the roles of language and visualization for science learning, and education for sustainable development, with particular attention to green chemistry education). She has published extensively in both areas, and also edited some collaborative books. She was organiser and chairperson of the 5th International IUPAC Conference on Green Chemistry (Durban, 2014), the 2nd African Conference on Research in Chemical Education (Thohoyandou, 2015), and the 23rd International Workshop on Quantum Systems in Chemistry, Physics and Biology (Kruger National Park, 2018). She is a titular member in Division III of IUPAC and representative of Division III at the IUPAC Interdivisional Committee on Green Chemistry. In 2013, she was one of the recipients of the IUPAC Award for Distinguished Women in Chemistry and Chemical Engineering. In 2016, she was awarded the ALASA (African Language Association of Southern Africa) award.

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