



*Consolato Generale d'Italia
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Liliana Mammino
Professor emerita in
Chemistry

UNIVERSITY OF
VENDA



Ph.D. in Chemistry, Moscow State University (Russia), 1982. Degree in Chemistry, University of Pisa, 1973. Both with **theoretical chemistry** theses. Professor emerita in the Faculty of Science, Engineering and Agriculture, University of Venda (UNIVEN), Thohoyandou, South Africa.

Been at UNIVEN since 1997. Initiated and developed computational chemistry research, with main focus on the study of biologically active molecules of natural origin (antioxidant, antimalarial, anticancer). **She has been teaching undergraduate and postgraduate physical chemistry courses**, first year general chemistry course and third year process technology course.

She is involved also in Chemical education research, with main focus on conceptual understanding, education for sustainable development, epistemological and pedagogical aspects of language and science.

INNOVATION: *Computational study of **new biologically active molecules**. Initiatives to emphasise the inherent **multidisciplinarity of computational chemistry**. Pilot project for the integration of chemistry teaching and language teaching.*

Exploration of novel approaches based on the double expertise of being a chemist and having linguistics background. Intending to explore the potentialities of explaining chemistry concepts through language analysis involving both English and the students' mother tongue, and using the interfaces between the two languages as an explanation resource.