

## **Biosketch Alben Lederer**

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Prof. Dr. Alben Lederer obtained her Ph.D. in Physical Chemistry in 1999 from the Max Planck Institute for Polymer Research in Mainz in collaboration with Johannes Gutenberg University Mainz. She completed her habilitation in Physical Chemistry in 2010 at the Technical University Dresden. Since 2020, she has held the SASOL Chair in Analytical Polymer Science at Stellenbosch University.

Prof. Lederer is also Head of the Department of Advanced Macromolecular Structure Analysis at the Leibniz Institute for Polymer Research Dresden (IPF). In 2008, she founded the Polymer Separation Group at IPF, focusing on advanced separation and scattering techniques for polymer analysis. Since 2020, this group has operated as a joint research unit between IPF and Stellenbosch University.

She has over 15 years of experience supervising postgraduate students and postdoctoral researchers. Prof. Lederer has coordinated numerous nationally and internationally funded research projects, including those supported by DFG, DPI, AvH, ESF/EU, Horizon 2020 MSCA, M-ERA.NET, as well as industry partners. Her publication record comprises more than 150 peer-reviewed articles and reviews, along with books and book chapters.