Throughout her career, Sabine Van Doorslaer has been working at the interface between chemistry and (bio)physics. After obtaining a Master in Chemistry (1991), Master in Physics (1992) and PhD in Physics (1996) at Ghent University (BE), she worked as a postdoctoral researcher at ETH Zurich (CH) in the lab of Arthur Schweiger, till she was appointed as a professor at the University of Antwerp (BE) in 2002. From 2008-2024, she was also a guest professor at the University of Hasselt (BE). Her research is focussed on the development and application of EPR, with an emphasis on hyperfine spectroscopy. The EPR techniques are, where necessary, complemented with optical techniques and quantum-chemical methods. Her research group focusses on the characterization of a wide range of (bio)materials, including metalloproteins, homogeneous and heterogeneous catalysts and hybrid materials for applications in (bio)sensing, catalysis, membranes and organic (photo)voltaics. In 2018, she received the Bruker Prize granted by the ESR Spectroscopy Interest Group of the Royal Society of Chemistry.