

**FROM OXYGEN RADICALS TO CLEAN AIR: TWO DECADES OF SCIENCE AND  
FRIENDSHIP WITH POLISH SCIENTISTS**

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In my lecture I will describe my collaboration with three groups of scientists from Poland: A. Plonka, E. Szajdzinska-Pietek, J. Bednarek, and M. Wolszczak from the Technical University of Lodz, K. Dyrek, Z. Sojka, K. Kruczala, and T. Spalek from the Jagiellonian University, Krakow, and J. Michalik and M. Danilczuk from the Institute of Nuclear Chemistry and Technology, Warsaw. These collaborations have combined the talent, expertise, and determination of the Polish scientists with the research interests of my group, and have created a synergy and a working atmosphere that were extremely rewarding and led to important results and numerous publications. The emergence of new ideas, and the development of new methods of study such as spin probe ESR for polymer dynamics, fluorescence spectroscopy, ESR imaging for spatially-resolved polymer degradation, and spin trapping will be outlined.