

Peter Šimon

Peter Šimon is a professor at the Institute of Physical Chemistry and Chemical Physics, Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava, Slovakia.

His research interests are: theory and practice of thermal analysis; kinetics and thermodynamics of the processes in condensed state, elaboration of the theory of the single-step approximation; kinetics of the processes exhibiting the induction period (thermooxidation, crystallization, rubber curing, etc.); predictions of the thermal and thermooxidative stability of polymers and organic materials, elaboration of criteria used for the evaluation of stability, efficiency of stabilizers, synergy, equivalence between accelerated and field tests; kinetics of the processes occurring in food (interaction food/packaging, kinetics of acrylamide formation/elimination, health risks conveyed by nanoparticles in food, etc.); modeling the kinetics and thermodynamics of processes occurring in reacting systems.

He published 165 publications in refereed journals and delivered 190 papers at conferences. His papers have been cited about 1700 times according to WoK database, h-index=26.