

Dr. YEONHEE LEE

Korea

Yeonhee Lee is a researcher of analytical chemistry at Korea Institute of Science and Technology (KIST), where she has been since 1995. She is nominated as a member of SIMS international committee for the Asia-Pacific region, especially for Korea. Dr. Lee's research interests are in surface modification and characterization of various materials. The structural characterization for a series of polymers including PSII-modified polymers and plasma polymers has been done by time-of-flight secondary ion mass spectrometry (TOF-SIMS). Derivatization reactions in combination with TOF-SIMS were used to monitor the functional groups on the surface. Recently, she has been studying elemental and molecular depth profiling of diblock copolymers. Dr. Lee is also investigating the nondestructive applications of TOF-SIMS in the analysis of the archeological materials and forensic trace evidences. She currently serves as a director of the advanced analysis center (AAC) at KIST. The AAC, one of the best analytical laboratories in the nation, provides sophisticated analytical services for various samples and contributes to the research communities of science and technology with over 120 modern analytical instruments. She is presently a vice president of the Korean surface analysis society. She has worked as an organizing committee of SIMS XVI and SIMS XVII International Meetings. In Korean SIMS community, she currently serves as an organizing committee from 2002.