Professor Hye Jin Lee

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Hye Jin Lee received her B.Sc. from Dankook University (Seoul) in 1991 followed by M.Sc. from Sogang University (Seoul) in 1994. She obtained her Ph.D. in 1999 from the Ecole Polytechnique Federale de Lausanne, Switzerland, with Prof. H. H. Girault on creating novel microfabricated liquid–liquid interfaces for use as ion-selective sensors. Following postdoctoral research with Prof. R. M. Corn at the University of Wisconsin-Madison, she undertook an Associate Researcher position at the University of California-Irvine where she developed a series of novel surface enzymatic amplification methodologies that enable the direct detection of biomolecules down to femtomolar concentrations. Dr. Lee then joined Kyungpook National University (Daegu) as an Assistant Professor in 2008, and promoted to Associate Professor in 2012 and full professor in 2017. Prof. Lee's research covers a broad range of topics in analytical and electrochemistry, nanomaterials, and biotechnology and her primary research focus is the design and application of highly sensitive and selective biological and chemical sensors integrating emerging micro- and nanotechnologies. Prof. Lee has published more than 180 research papers in refereed journals (mostly ACS, Elsevier and RSC) with an h-index of 62 and i10 index 158, filed 15 Korean and five U.S./International patents, five book chapters and given over 70 invited lectures worldwide.