



Dr Yıldız Uludağ has degree in chemical engineering (BSc; METU), biotechnology (PhD; Cranfield University, UK) and more than 15 years professional experience in the area of biosensors. After completing a master's degree in biochemistry, she worked at two University of Cambridge spin-off companies (Affinity Sensors and Akubio Ltd.) at different positions. Currently she holds a senior researcher position at BILGEM-TUBITAK. Not only did she use different commercial biosensor instruments (optical, piezoelectric and electrochemical) but was also involved in the development of new biosensor devices and sensor chips from prototype to commercial products, and some of the products she developed, or was involved in its production are on the market. Her research interests include, molecular recognition, sensing and diagnostics, nanotechnology applications in analytical and life sciences, biosensor and sensor chip development, microfluidics. Currently Dr. Uludag is heading the department of Computational Biology and Security Applications at BILGEM-TUBITAK. She is also the manager of the Bioelectronics Devices and Systems Development Project.