

Prof. Aharon Gedanken

Emeritus Prof. Aharon Gedanken obtained his M. Sc. from Bar-Ilan University, and his Ph. D. degree from Tel Aviv University, Israel. After his postdoctoral research at USC in Los Angeles, he returned to Bar-Ilan in 1975 as a senior faculty. He was a visiting scientist at AT&T Bell Laboratories in 1980-81, 1984, and 1987-88, and at NIDDK, NIH in the summers of 1989, 1990 and 1991. In 1994 he switched his research interest from Spectroscopy to Nanotechnology. His special synthetic methods of nanomaterials include: Sonochemistry, Microwave Superheating, Sonoelectrochemistry, and Reactions under Autogenic Pressure at Elevated Temperatures (RAPET). Since 2004 he is mostly focused on the applications of nanomaterials. Gedanken has published 772 peer-reviewed manuscripts in international journals, and has applied for 38 Patents. His H-Index is 81. Gedanken has served as the Department chairman as well as the Dean of the Faculty of Exact Sciences at Bar-Ilan University. He is on the editorial boards of 7 international journals. He leads a group of 12 research people. He was a partner in 13 EC projects, five of them were in EC FP7. One project, SONO, was coordinated by him. This project was announced by the EC as a "Success Story". He was the Israeli representative to the NMP (Nano, Materials, and Processes) committee of EC in FP7. He was awarded the prize of the Israel Vacuum Society and the Israel Chemical Society for excellence in Research.