

**Topic of the Speech:**

Towards a Safe Hospital in Which all its Textiles will be Antibacterial and Antiviral

**Professor Aharon Gedanken**

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**Professor Aharon Gedanken** obtained his Ph. D. degree from Tel Aviv University, Israel. After his postdoctoral research at USC in Los Angeles, he got a lecturer position at BIU on Oct. 1975. He spent two sabbatical years at AT&T Bell Laboratories in 1980-81, and 1987-88 as well as a summer in 1984. 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 850 per-reviewed manuscripts in international journals, and has applied for 38 Patents. His H-Index is 95 according to the WEB of SCIENCE. 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 6 international journals. He still leads a group of 11 research people. He was a partner in 13e EC (European Community) projects in FP5, FP6, FP7, and Horizon. 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 in 2009 and the Israel Chemical Society for excellence in Research in Feb. 2013.