

Dr. Shabtai Cohen

Dr. Shabtai (a.k.a. Shep) Cohen is a senior scientist at the Institute of Soil, Water and Environmental Sciences at the ARO's Volcani Center in Bet Dagan. He served as head of the department of Environmental Physics and Irrigation and then Director of the Institute. Dr. Cohen moved to Israel from the US in 1974 and received his PhD from the Hebrew University of Jerusalem's Faculty of Agriculture in 1984. He specializes in environmental plant physiology and physics, and has done extensive research on solar and thermal radiation distribution in plants, plant and crop energy budget, irrigation requirements, crop water status, plant sensors, stomatal behavior and plant hydraulics. He has made significant contributions to these fields, and is known for his contribution to the discovery of worldwide changes in solar radiation and evaluation of their significance to climate change (i.e. 'global dimming'), and on the influences of screen covers and screenhouses on crop climate and water use.

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