

CURRICULUM VITAE

Joseph Guttman



Date of birth: 29/06/1952
Status: Married + 3 sons
Nationality: Israeli, Germany

1976-1999 Tahal Consulting Company: Senior Geologist and hydro-geologist.
1999-2019 Mekorot Water Company: **Chief hydrologist** of the company, head of the hydrology department
2017-2019 in parallel, the head of the drilling department in Mekorot.
7- 2019: Hydro-geology Consultant.

Universities degrees are:

1976: B.Sc. in Geology Ben-Gurion University, Beer Sheva, Faculty of Geology.

1980: M.Sc. in Hydrogeology Tel Aviv University, Faculty of Geophysics and Planetary Sciences.

1999: Ph.D. in Hydrogeology Tel Aviv University, Faculty of Geophysics and Planetary Sciences.

2004: Post doctorate in Hydrogeology Tel Aviv University, Faculty of Geophysics and Planetary Sciences.

Main activities

Dr. Joseph Guttman is involving in the developing of the groundwater resources in Israel focusing on hydrogeology survey and IWRM issues in local and regional scale.

As part of his work, he designed and supervised the drilling and pumping tests in hundreds of water wells in all aquifers in Israel and aboard and at great depths (up to 1500 meters). In his position in Mekorot, he was responsible to combine between the hydrology design and the technical design of the pumping wells.

He works in close relation with water supply engineers providing them with hourly discharge and annual pumping recommendations often at the level of an individual well (Mekorot has about 1,000 active wells).

He also engaged in studies relating to artificial recharge, dewatering, flow models and geochemical investigations.

In addition to his work in Israel, he worked as a hydro-geological consultant in few engineering projects in Africa (Nigeria, Guinea) and Asia (Nepal) and in conducting hydrogeology pre-feasibility studies in few countries (Kenya, Botswana, Thailand, Mexico, Peru, Argentina and Colombia).

In parallel to his regular work in Mekorot, Dr. Joseph Guttman involved in several international researches.

Since 1997 he is involved in several multi-lateral projects in the Lower Jordan Rift Valley together with partners from the Palestine, Jordan and Germany (funded by Germany).

Between 2005-2011 he was involved in two European researches focusing on SAT (**RECLAIM, SWITCH**). Among his activities in the researches, Dr. Guttman was part of a team (Mekorot, UNESCO-IHE, TUB) that wrote a guideline for design, operation and maintenance of SAT (and hybrid SAT) system.

Between 2013-2017 he was the leader of the Israeli team in the European research called **MARSOL**. The project was focusing on artificial recharge. The pilot in Israel focused on injection of surplus sea desalination into unconsolidated aquifer.

Between 1993-2012 he was an advisor to the Israeli-Palestinian water negotiation team and between 2014-2016 he was a member in the "Judea Desert Israeli-Palestinian committee".

Between years 2000-2007 he gave lectures in master course on Coastal aquifer and arid zones in Tübingen University, Germany.

Between 2004-2006 Chairman of the Israel Water Resources Association.

Between years 2005-2012 he was an AE (Associated Editor) in the HSJ (Hydrological Sciences Journal).

Since 2010 he is a co-convenor in organizing the session on artificial recharge and IWRM in the EGU (European Geosciences Union).

He published many reports and articles in various issues in hydrogeology, artificial recharge and hydrochemistry in Hebrew and in English (Scientific Journals and in conferences).