

Pinchas Fine, PhD

Ministry of Agriculture
Agricultural Research Organization (ARO), Volcani Center
Institute of Soil, Water and Environmental Sciences (ISWES)
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Research topics

Irrigation and disposal of secondary effluent and dairy effluent: nutrient availability and transformations in soil.
Reuse of sludge, manure and coal-burning fly ash in agriculture, fate of the C, N, P and trace elements in the soil.
Reduction of soil borne diseases and pests using alkaline stabilized sludge.
Organic mineral nutrition (with emphasis on nitrogen) of vegetables.
Phytoremediation of metal polluted sediments and sludge.

University Education and Additional Training

1970 - 1973 B.Sc. in Biology, at Tel-Aviv University, Israel
1974 - 1978 M.Sc. in Botany, at Tel-Aviv University, Israel. Title of thesis: Effects of anionic detergents on physiology and anatomy of a water-weeds. Supervisors: Dr. M. Litav and Prof. Y. Waisel.
1979 – 1985 Ph.D. in Soil Chemistry at Tel-Aviv University and Volcani Center, Israel. Title of thesis: Transformations of nitrogen compounds in soils amended with secondary effluent and sewage sludge. Supervisors: Prof. Y. Waisel and Dr. A. Feigin.
1985 - 1986 Postdoctoral position at the Dep. of Land, Air and Water Resources, University of California, Davis, USA., with Prof. M.J. Singer. Research subject: Magnetic parameters and mineralogy of iron in soil formation sequences.

Positions held and Academic Status

1999 to 2004 Head, Dept. of Soil Chemistry and Plant Nutrition.
1995 Promoted to senior scientist
1987 to Date Research scientist at the ARO, Volcani Center, Inst. of Soil, Water and Environmental Sciences.
1978 - 1985 Post graduate assistant, ARO, Volcani Center, Inst. of Soils and Water, Dept. of Soil Chemistry and Plant Nutrition, and Dept. of Residue Chemistry.
1973 - 1980 Teaching and research assistant, Tel-Aviv University, Israel.
1976 - 1978 Teaching assistant, The Open University, Tel-Aviv, Israel.