החברה הישראלית לכימיה
THE ISRAEL CHEMICAL SOCIETY
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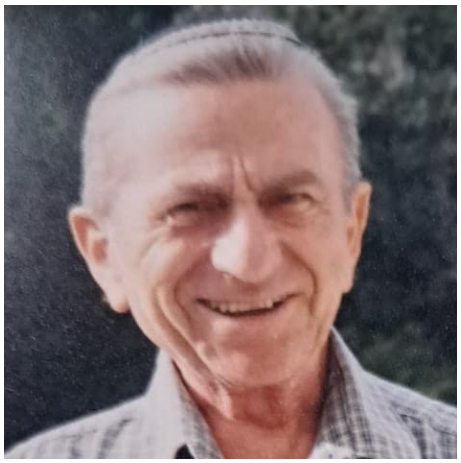
Dear ICS members,

It is with deep sadness that Prof. Shmuel Braverman of the Department of Chemistry at Bar-Ilan University passed away last week. The funeral occurred on June 7 in Yarkon Cemetery, Petah Tikva.



Prof. Shmuel Braverman (1934 – 2023)

Shmuel Braverman was born on May 23, 1934, in Falticeni, Romania, and immigrated to Israel on March 14, 1952. After his military Service (1953-1956), he achieved his B.Sc. (1960, cum laude) from Bar-Ilan University and Ph.D. (1963) from the University of Alberta, Edmonton, Canada. In 1963 he joined the Department of Chemistry at Bar-Ilan University and became a Full Professor in 1990. In 1968-70 he served as the Department Chairman. He was a Visiting Professor at Cornell University (1976-1977), University of Illinois at Urbana (1980-1981), University of Alberta (1984), University of Toronto (1988, 1989, 1990, 1991), University of Lund, Sweden (1989), York University, North York, Ontario (1989), and University of Nijmegen, The Netherlands (1990).

Braverman was interested in reaction mechanisms and organic synthesis. He focused on [2,3]-sigmatropic rearrangements of various allylic and propargylic sulfur esters. He discovered and studied the [2,3]-sigmatropic rearrangement of allylic sulfenates to sulfoxides (the Mislow-Braverman-Evans Rearrangement), propargylic sulfenates to allenic sulfoxides, and of allylic and propargylic sulfinates to the corresponding sulfones. In addition, he studied diradical cyclization and cycloaromatization of bridged diallenic systems (Garratt-Braverman Cyclization), electrophilic cyclization of monoallenic systems, tandem pericyclic reactions, enediyne models, heterocumulenes, especially sulfines, addition of chalcogen halides to propargylic alcohols, and regio- and enantioselective bromination and development of new processes of industrial interest.

Shmuel Braverman is survived by his wife, Batia, daughter Ayala, and grandchildren, Mattan and Noa.

The ICS and the entire community of Israeli scientists mourn the loss of a great scientist.

Ehud Keinan