

GENEALOGY DATABASE ENTRY

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Katchalsky (Katzir), Aharon

1915 - 1972

DEGREE: PhD

DATE: 1939

PLACE: Hebrew University

TEACHER/RESEARCH ADVISOR: Frankel

studied the behavior of polyelectrolytes in different environments and under different conditions and used polyelectrolytes as model compounds for macromolecules in living organisms; showed that flexible polymers with charged substituents stretch and contract depending on the ionic strength of the environment, and thus serve as models for the activity of muscles; investigated irreversible thermodynamics and the relationship between cybernetics and artificial intelligence; killed in a terrorist attack in Israel.

1. Micha Asscher, personal communication (**25Feb97**).
2. *The Chemical Intelligencer* **July 1996**, 61-64.
3. *Britannica Book of the Year 1973*, Encyclopædia Britannica, Inc.: 1974; p512.
4. Carmel, A. *Heroes of Israel (5th Ed.)*; Bar-Zehar, M., Ed.; Magal Publishers: 1980; pp122-124.