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.