

**המעבדה לכימיה אורגנית ואי-אורגנית**

## **סמינר ספרותי**

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בנושא:

Structure Elucidation Before the NMR Era

## Structure Elucidation Before the NMR Era

**Abstract:** Nowadays NMR spectroscopy plays a critical role in the process of molecular structure elucidation. NMR is a relatively young technology. Nevertheless, the structure of many complex natural products was successfully determined in the past. The chemists of the pre-NMR era needed to use sophisticated chemical methods to determine the correct structure of a given compound. After a comprehensive detective work, including degradation of the desired molecule, and independent synthesis to the proposed structure, the chemists could have 'put together' all the information gathered and determine the structure of the molecule. We will go over the process chemists were using to determine a structure, and a case study of structure elucidation of a known molecule from the 30's will be presented.

