

# Curriculum Vitae – Anat Haimovich

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## Summary

PhD in **Physical Chemistry** from Tel-Aviv University specializing in the field of solid state MAS Nuclear Magnetic Resonance (NMR). Experienced in planning and performing experiments, conducting **computer simulations**, **data processing** and **analysis**, experienced with **MATLAB**. Highly motivated and possesses excellent technical and analytical skills.

## Education

2011-2015      PhD in physical chemistry at Tel-Aviv University.

2008-2011      M.sc in physical chemistry at Tel-Aviv University.

Working in this multidisciplinary research group, required the acquisition of knowledge in the fields of physics, chemistry, biology and data analysis.

2004-2008      B.sc in Chemistry at Tel-Aviv University

## Computational Skills

- **Signal processing** and data analysis (in NMR) using various software packages.
- Performing **computer simulations** using various software packages.
- Fitting of theoretical models to experimental data.
- Pulse sequence engineering for NMR.
- Microsoft Windows and Office.
- Familiar with programming and Linux environment.
- Programming languages: Python, MATLAB, C, C++.
- Data science: SQL, Python and R.

## Technical Skills

- Highly experienced in operation of a magic-angle spinning solid state NMR spectrometer: employing and optimizing MAS ssNMR techniques; structural characterization of biomolecules; characterization of inorganic materials.
- Protein production & characterization, Virus production & characterization.
- Preparation of metal-biomolecules complexes.
- Operation of solution NMR spectrometer.

## Professional Experience

- 2016-2019      Lab manager in research group at Tel-Aviv University, professional and administrative management:
- Engaging in research projects.
  - Scientific collaborations.
  - Writing papers.
  - Guidance of research students.
- 2012-2014      Lab instructor in "Advanced Laboratory in Physical Chemistry" in TAU.
- 2011            Solution NMR measurements and analysis for "Organic Chemistry Laboratory" in TAU.
- 2010            Lab instructor in "General Chemistry Laboratory" in TAU.
- 2009-2015      Grading exercises for "General chemistry" course in TAU.
- 2008-2010      Lab technician in R&D Lab of Landa Laboratories Ltd.

## Military Service

2000-2002      Served as a computer systems operator, was a shift manager in a facility of the teleprocessing corps. Full service + one year in standing.

### **Publications**

A total of 8 publications, specified below are first author papers:

- **Haimovich, A.** & Goldbourt, A. BBA - General Subjects. 1864, 129456 (2020).
- **Haimovich, A.** & Goldbourt, A. J. Magn. Reson. 254, 131–138 (2015)
- **Haimovich, A.**, Eliav, U. & Goldbourt, A. J. Am. Chem. Soc. 134, 5647–5651 (2012).

### **Languages**

Hebrew – Native

English – Excellent