

# Ira Agranovich

## Profile

R&D organic chemistry researcher. 3 years of chemical synthesis experience. I have a dual bachelor's degree in material science & engineering and in chemistry. Currently, I am seeking to obtain an engineering position, preferably in the material science field.

## Education

### B.Sc - Material Science & Engineering , Tel Aviv University

October 2016 — March 2021

- **Engineering final project** - under the supervision of Dr. Brian Rosen. Preparation and investigation of ammonia-fed solid oxide fuel cells. Evaluation of the performance of oxynitrides as a base for nickel alloy catalyst to be used as the anode in ammonia SOFC.
- **Science project** - under the supervision of Professor Moshe Kol. Synthesis and development of metallic catalysts for stereoselective ring-opening polymerization of lactones, to give environmentally-benign polymers such as poly(lactic acid).

## Employment History

### R&D chemist at Adama Agan

October 2019 — Present

Development of herbicide active ingredients:

- Literature and patent review to choose and develop the best synthetic route that will lead to a safe, green, reproducible, and economical chemical manufacturing process.
- Scale-up from lab batches to Pilot Plant batches.
- Using DOE techniques to perform fine-tuning for different procedures.
- Identifying and characterizing impurities using HPLC and GC analysis.
- Preparation and purification of standard materials.
- Student position: synthesis, managing chemical inventory, data maintenance, summary and analysis.

## Military Service

### IDF Liaison Unit - Southern Department,

November 2013 — November 2015

- The department is responsible for the military and political cooperation with Egypt.
- Cooperation with the multinational force and observers (MFO) to maintain the peace agreement between Israel and Egypt.
- Managing 24/7 working war room.
- Participation in exercises, field meetings, and border inspections.

## Details

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## Languages

Hebrew



English



Russian

