

# Roza Truberman Sabsovich

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## Summary

Motivated chemical engineer with an MSc degree and research experience in startups, looking for an R&D position. I like challenges and feel comfortable entering new fields of work. I am a team player who enjoys working with other people, and can also lead independent research.

## Professional and Research Experience

- 2022-present **R&D Research Chemist, *DouxMatok***  
Research and development of healthy alternative sweeteners in a food-tech startup company. Work included system synthesis, the research of its physical and chemical properties and analytical analysis of the company's applications using rheology, HPLC and microscopy.
- 2020-2022 **R&D Research Engineer, *SOLUTUM***  
Research and development of biodegradable materials to replace plastic in a clean-tech startup company. Work included material characterization and research of physical and chemical properties using DSC, FTIR, H-NMR, C-NMR and 2D-NMR.
- 2019-2021 **Researcher (MSc Thesis), Professor Moshe Gottlieb's Lab, Chemical Engineering, *Ben-Gurion University***  
Research and development of silica nano-particles attached by phosphate binding peptides, as a novel system for treatment of Hyperphosphatemia. Research included system synthesis, quantitative characterization and performance characterization using H-NMR, C-NMR, P-NMR, TGA, elemental analysis, XPS, ion chromatography, and UV-vis absorption spectroscopy.  
**Patent, *Truberman Roza, Gottlieb Moshe and Zaiden Michal***  
"Peptide-based phosphate binder for the treatment of hyperphosphatemia". U.S. provisional patent application no. 63/322,462, filed 22 March 2022.
- 2020 **Lab Instructor, *Chemical Engineering, Ben-Gurion University***  
BSc laboratory course, subject: Diffusion
- 2017-2019 **Research Assistant, *Professor Moshe Gottlieb's Lab, Chemical Engineering, Ben-Gurion University***  
Research and development of hydrogel-based technology for the treatment of dermatological diseases. Research included system synthesis, chemical characterization of polymers, cross-linking and gelation, and performance characterization.
- 2018-2019 **Research Project (BSc), *Professor Moshe Herzberg's Lab, Biotechnology Engineering - Desalination and Water Treatment, Ben-Gurion University***  
Characterization of organic matter adsorption on polyamide and the effect on the performance of reverse osmosis membranes.

## Education

- 2019-2021 **MSc, Chemical Engineering, *Ben-Gurion University***, Beer Sheva, Israel  
2015-2019 **BSc, Biotechnology Engineering, *Ben-Gurion University***, Beer Sheva, Israel

## Technical Skills

- H-NMR
- C-NMR
- P-NMR
- 2D-NMR
- Rheology
- TGA
- DSC
- FTIR
- HPLC
- Elemental Analysis
- Ion Chromatography
- UV-vis Spectrophotometer
- XPS

## Languages

English (fluent), Hebrew (native level), Russian (fluent)