

# SAGI SEVILIA

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## EXPERIENCE

2020 – TODAY

**AEROSOL RESEARCHER**, ISRAEL INSTITUTE FOR BIOLOGICAL RESEARCH

Performing aerosols measurements for classification and characterization, both in air and surfaces.

2012 – 2019

**TEACHING ASSISTANT**, TECHNION ISRAEL INSTITUTE OF TECHNOLOGY

Teaching practice lectures in Chemistry and Organic Chemistry for 7 years. From 2015 acting as head of the teaching assistants.

## EDUCATION

2015-2019

**PHD DEGREE**, TECHNION ISRAEL INSTITUTE OF TECHNOLOGY

New energetic materials, involved two major projects:

BEIL – Binary Energetic Ionic Liquids.

Printable Energetic Materials

2012-2015

**MASTER DEGREE**, TECHNION ISRAEL INSTITUTE OF TECHNOLOGY

New approach for water oxidation

2009-2012

**BACHELOR'S DEGREE**, TECHNION ISRAEL INSTITUTE OF TECHNOLOGY

First degree in Chemistry.

**Awards:**

Dean's list, Winter 2012

Dean's list, Spring 2012

## PUBLICATION

1. "Alkyl Vinyl Imidazolium Ionic Liquids as Binders for Photo-Cured Energetic Propellants", ACS Appl. Polym. Mater. (2022), 20220628
2. "Imidazolium-Based Energetic Materials", Sagi Sevilia, Galit Parvari, Jonathan Bernstein, Natalia Fridman, Dan Grinstein, Levi Gottlieb, Yoav Eichen, and Alex M. Szpilman. ChemistrySelect. (2022), 7, e202200322.
3. "Investigation of the protection efficacy of face shields against aerosol cough droplets", Ronen, Ayala & Rotter, Hadar & Elisha, Shmuel & Sevilia, Sagi & Parizer, Batya & Hafif, Nir & Manor, Alon. Journal of Occupational and Environmental Hygiene. (2020). 18. 1-13.
4. "Novel, Printable Energetic Polymers", Sevilia, S., Yong, M., Grinstein, D., Gottlieb, L., Eichen, Y., Macromol. Mater. Eng., (2019), 1900018.