**Yael Tsarfati, PhD Student**

Weizmann Institute of Science

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 **Education:**

2014- Ph.D. studies in Chemistry, Weizmann Institute of Science

(Including maternity leaves: 04/06/2014-13/09/2014, 07/01/2017-23/04/2017)

2011-2014 M.Sc. studies in Chemistry, Weizmann Institute of Science

2008-2011 B.Sc. studies in Chemistry, Life Science program, University of Tel-Aviv

**Research:**

Ph.D. - Crystallization of organic Molecules: Mechanism and Functional Materials

M.Sc. - Hybrid system of Carbon Nano Tubes (CNTs) and PDI-based molecule.

**Research interests:**

Crystallization mechanism of organic molecules, supramolecular self-assembled organic crystals, cryo-TEM imaging and diffraction of organic materials.

**Publications:**

* Yael Tsarfati,Volker Strauss, Susanne Kuhri, Elisha Krieg, Haim Weissman, Eyal Shimoni, Jonathan Baram, Dirk M. Guldi, and Boris Rybtchinski. **Dispersing Perylene Diimide/SWCNT Hybrids: Structural Insights at the Molecular Level and Fabricating Advanced Materials.** [*J. Am. Chem. Soc.*, **2015**, *137* (23), 7429–7440.](http://pubs.acs.org/doi/abs/10.1021/jacs.5b03167?journalCode=jacsat)

**Oral Presentations at conferences:**

* **GRC on Crystal Growth & Assembly 2017:**

 Imaging Organic Crystallization in Aqueous media

* [**Frontiers in Chemical Sciences, 26/5/2015**](http://www.weizmann.ac.il/conferences/FCS2015/)**:**

Imaging Organic Crystallization in Aqueous media.

Structural Insights at the Molecular Level and Fabricating Advanced Hybrid Materials

* **The Technion – Weizmann Cryo-SEM study group, 4th meeting Weizmann Institute of Science, 26/11/2013:**

Supramolecular Hybrid Materials based on Perylene Diimide (PDI) and Carbon Nanotubes (CNTs)

**Poster Presentations:**

* GRS and GRC on Crystal Growth & Assembly 2017
* Nano Israel 2016
* [Frontiers in Chemical Sciences, 26/5/2015](http://www.weizmann.ac.il/conferences/FCS2015/)
* The Technion – Weizmann Cryo-SEM study group

4th meeting Weizmann Institute of Science, 26/11/2013

* **The 7th Schulich Graduate Student Symposium**
* The 5th national graduate Student symposium in organic chemistry

**Other activities:**

* One of the founders of the ‘Weizmann Chemistry Women Forum’.

This is a female chemistry students’ forum that has been organized by the students. The forum has held workshops, lectures and other activities, aiming for promoting women in science and leadership positions.

I have been a member of the forum’s organizing committee from July 2013 for about three years.

* In the organization team of the GRS of Crystal Growth & Assembly 2019