

The Faculty of Biotechnology & Food Engineering is happy to invite

הפקולטה להנדסת ביוטכנולוגיה ומזון שמחה להזמין את בית הטכניון

Faculty members

Researchers

Graduate students

&

Undergraduate students seeking to pursue higher degrees



חברי סגל

חוקרים

סטודנטים לתארים גבוהים

&

סטודנטים לתואר ראשון המתעניינים בתארים גבוהים בפקולטה

## The 1<sup>st</sup> Annual Research day in Biotechnology & Food Engineering

יום המחקר השנתי (הראשון) בהנדסת ביוטכנולוגיה ומזון

**יום שני 17. 7. 17**

Auditorium (Hall 100) level 1

אודיטוריום (אולם 100) קומה 1

Faculty of Biotechnology & Food Engineering,  
Technion, Haifa.

הפקולטה להנדסת ביוטכנולוגיה ומזון  
הטכניון, חיפה.

### *Invited talks*

**10:45**

**13:10**

Developments in Research and Publishing

An Editors' Perspective

**Mr. Rob Van Daalen**

**Prof. Dr. Henk Busscher**

Elsevier Physical & Theoretical Chemistry

Editor Colloids and Surfaces B: Biointerfaces

### Program

### תוכנית

08:30 ► Gathering & registration

08:30 ◀ התכנסות, רישום וכיבוד קל

08:55 ► Opening remarks

08:55 ◀ דברי פתיחה

09:00 ► Research topics presentation (part 1)

09:00 ◀ הצגת נושאי מחקר (חלק ראשון)

10:45 ► Invited talk: Rob Van Daalen, Elsevier

10:45 ◀ הרצאת אורח: רוב ואן דאלן

11:25 ► Coffee break

11:25 ◀ הפסקת קפה

11:45 ► Research topics presentation (part 2)

11:45 ◀ הצגת נושאי מחקר (חלק שני)

13:10 ► Invited talk: Henk Busscher, Elsevier

13:10 ◀ הרצאת אורח: האנק בושר

13:50 ► Lunch break & poster session.

13:50 ◀ ארוחת צהריים והצגת פוסטרים

<b>8:30-8:50</b>	<b><i>REGISTRATION and REFRESHMENT</i></b>
<b>8:50-9:00</b>	<b><i>OPENING REMARKS</i></b>
<b>9:00-9:15</b>	<b>Prof. Roe Amit: <b>TBA</b></b>
<b>9:15-9:30</b>	<b>Prof. Ayelet Fishman: Enzymes to the Rescue Jovana Glusac: From Waste to Food using Enzymes</b>
<b>9:30-9:45</b>	<b>Dr. Tomer Bronshtein: Opening New Frontiers in Cancer-Targeted Drug and Gene Delivery Sharbel Zahran: Electrospun Extracellular Matrix: Tailor-Made Natural Scaffold</b>
<b>9:45-10:00</b>	<b>Prof. Esther Meyron-Holtz: Many Irons in the Fire: Mechanisms and Regulation of Tissue Iron Distribution Lulu Fahoum: The Pathogenesis of Carrageenan Induced Intestinal Inflammation</b>
<b>10:00-10:15</b>	<b>Prof. Dganit Danino: Freeze the Moment: 2D and 3D Cryo-EM of Soft Molecular Assemblies Dr. Mingming Zhang: The Geometry of Frustrated Ribbons: Universal Shape Selection at the Nano and Macro Scales</b>
<b>10:15-10:30</b>	<b>Prof. Boaz Mizrahi: Stimuli Responsive Materials: Fundamentals to Applications Alona Shagan: Light Responsive Biomaterials for Biomedical Applications</b>
<b>10:30-10:45</b>	<b>Heidi Leonard: Silicon-Based Optical Biosensors for Medical Diagnostics Michal Rosenberg: Controlled Delivery and Release of NGF Loaded Carriers as a Potential Alzheimer Disease Treatment</b>
<b>10:45-11:25</b>	<b><a href="#">Rob Van Daalen, Publisher Physical &amp; Theoretical Chemistry, Elsevier: Developments in Research and Publishing</a></b>
<b>11:25-11:45</b>	<b><i>COFFEE BREAK</i></b>
<b>11:45-12:00</b>	<b>Prof. Sima Yaron: What is Cooked in my Salad? New Insights on the Interactions between Foodborne Pathogens and Plants Alex Samosav: An Alternative View of the Bacterial <i>RFAG</i>-Dependent Survival Mechanisms</b>
<b>12:00-12:15</b>	<b>Prof. Avi Shpigelman: Opportunities in the Application of High Pressure Processing Eden Nagar: Bioaccessibility of flavonoids – the effect of the interaction with cell wall material under pressure</b>
<b>12:15-12:30</b>	<b>Prof. Uri Lesmes: Shaping Healthier Foods for the Future using a Foodomics Approach Dafna Meshulam-Pascoviche: Controlling the Digestive Fate of Multifunctional Colloid-Stabilized Food Grade Emulsions</b>
<b>12:30-12:45</b>	<b>Prof. Yoav Livney: Novel Functional Biopolymers in Food and Biomedicine Meital Kazir: Macroalgae - a Potential New and Renewable Source for Nutrients</b>
<b>12:45-13:00</b>	<b>Prof. Yechezkel Kashi: <b>TBA</b></b>
<b>13:00-13:10</b>	<b>Prof. Maya Davidovich-Pinhas: Oleogels: Structure-Function Relation and in-between</b>
<b>13:10-13:50</b>	<b><a href="#">Prof. Dr. Henk Busscher, Editor – Colloids and Surfaces B: Biointerfaces: an Editors' Perspective</a></b>
<b>13:50-15:30</b>	<b><i>LUNCH and POSTER SESSION</i></b>