



R&I PEERS

4th Multisectoral Conference
Dr Sigal Fishman,

MIGAL – Galilee Research Institute, Israel

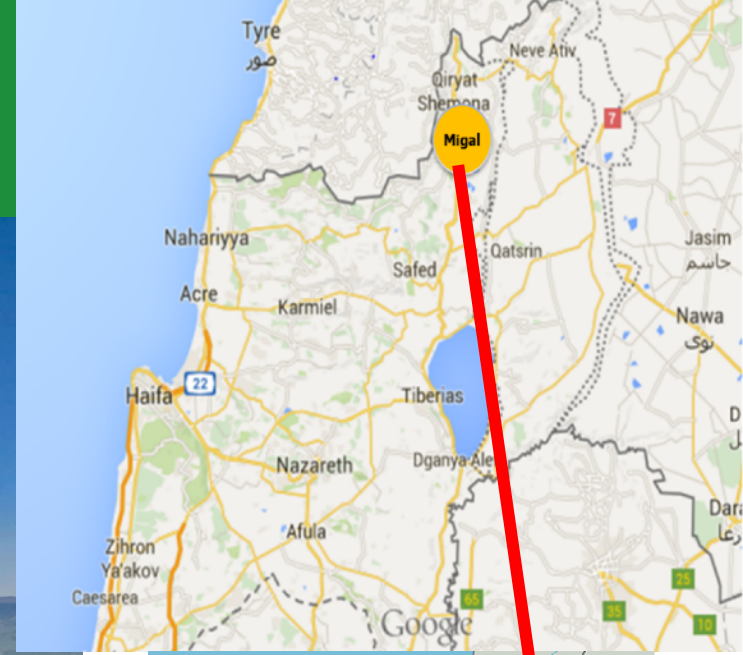
Salerno

12-07-2022



ISRAEL

The Upper Galilee



Main Research Areas

MIGAL is a scientific research core facility and knowledge-based economic generator at Israel's northern periphery.



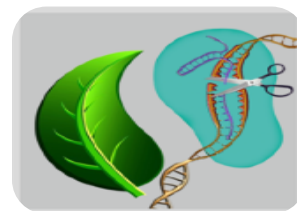
Biotechnology



Biochemistry



Food Chemistry



**Computational
Sciences and
Bioinformatics**



**precision
Agriculture**



**Environmental
Research**



**Food & Biobase
research**



Plant Research



Post Harvest



Nutrition



Livestock



Cannabis

- ❖ MIGAL employs more than 270 persons, almost half of them are women, and more than 60 are master's degree students.
- ❖ There are 90 PhDs among the 190 researchers that are distributed among 44 research groups
- ❖ Researchers at the institute conduct basic and applied research in the areas of biotechnology, nutrition, environmental sciences and agriculture.
- ❖ MIGAL serves as a focal point for scientific developments, as well as for science-community relations in the Galilee.

MIGAL Pilot activities



R&I PEERS

The R&I Peers was a unique opportunity for MIGAL to improve gender equality in research.

Therefore, we established a special program called:

**“Champion”
Women Researchers Course**

"Champion" women Researchers Course

to participate in a ui

rojects, submission of winning

competitive research calls, publishing of their research in leading scientific journals and more. We held diverse workshops for skill empowerment, work techniques and personal empowerment throughout an entire year.



“Making your dream come true”

How to start your new scientific project?
Project Design - construction of a practical implementation of the work plan.
What the group wants to achieve together, effectively formulate ideas to be achieved using collective efficiency.



ODT activity, experiential learning method provides managerial tools by activating the body, ability to think and emotions, combined with an open and fun atmosphere .



Equal opportunities at work in the “Me Too” era.
Equal Employment Opportunity Act
- Women's Rights at Work

"Champion" women Researchers Course



Academic writing workshop

Mentoring young female researchers to write good proposals



Enhancing presenting abilities workshop

What is my message?
Tools, techniques, methods and exercises while moving between the verbal world and the non-verbal world.



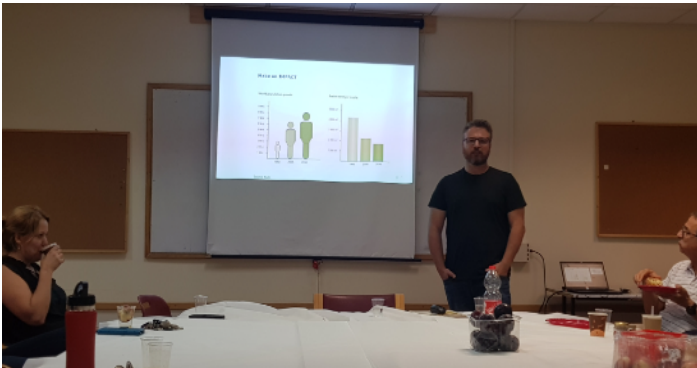
Horizon 2020 Writing Workshop

Interactive workshop - get to know Horizon Europe. How does the research authority work, how do you, as a researcher, fit into the project or submit as a coordinator. How to choose a project, find partners and more.

"Champion" women Researchers Course



Commercialization & Managing Intellectual Property Rights



Managing ourselves in time

Freedom to choose and proactivity

Tools for decision making and time management

The balance between urgent and important

The implemented impacts on stakeholders

MIGAL opens new start-ups - innovative research centre
1st Success story – Nesly:

Nesly started her way in MIGAL as a PhD student. After graduating, she worked for MIGAL as a lab manager and after that as a post-doc.

The program in her own words: “gave her the tools and mainly the courage to leave her familiar work place and safe environment and seek new possibilities in her career”.

These days Nesly works in a new start-up company, Projini, as the CTO and active CEO.

Projini is located in MIGAL`s buildings and aims to discover and develop new pesticides with new modes of action for crop protection.

The implemented impacts on stakeholders



2nd Success story – Einav & Nadia

The MIGAL Galilee Research Institute is developing Israel's human vaccine against COVID-19.



"Scientists in Israel might be moving even faster than big pharma" [Washington Post]

Success story – EINAV & Nadia:
✓ Two female researchers from the course were promoted to positions at MigVax.

3rd Success story – Dr Dorit Avni

Head of sphingolipids, natural biocompounds and Immune modulation. She was born and raised in Tel Aviv and came after her postdoc in the USA as a newcomer to the north to lead her research in inflammation and cancer. Dr Avni is the coordinator of Algae4IBD (Horizon 2020).

CISION

MIGAL Galilee Research Institute Receives EUR 7.5M EU HORIZON 2020 Grant to Develop Algae-Based Pharmaceutical Solutions & Functional Foods

February 1, 2021 · 4 min read

Grant to support MIGAL's groundbreaking research into treatments for Colitis and Crohn's Disease led by Dr. Dorit Avni

QIRYAT SHMONA, Israel, Feb. 1, 2021 /PRNewswire/ -- The MIGAL Galilee Research Institute (MIGAL) a regional mega-R&D center supported by Israel's Ministry of Science and Technology, today announced that ALGEEA4IBD, a project initiated, led and coordinated by Dr. Dorit Avni, the group leader of MIGAL's Bioactive Metabolites and Immune Modulation Laboratory, has been awarded a prestigious EU (European Union) HORIZON 2020 R&D grant in the amount of EUR 7.5 million.

The aim of the grant is to promote a breakthrough in the development of natural ingredients from algae, leveraging their unique capabilities to develop novel treatments for inflammatory diseases with no existing cures, such as Inflammatory Bowel Disease (IBD); Colitis and Crohn's Disease.

Taking part in the project are twenty-one leaders from Israel and European research academies, medical institutes and food institutes, as well as professionals from international pharma, food supplement and algae companies, each of whom will lead research initiatives that will be supported by the EU grant.

The Algae4IBD project takes a unique approach towards achieving three major goals: (i) developing medical solutions for chronic inflammatory diseases besides IBD; (ii) promoting aquaculture in line with the EU "green deal"

THE JERUSALEM POST

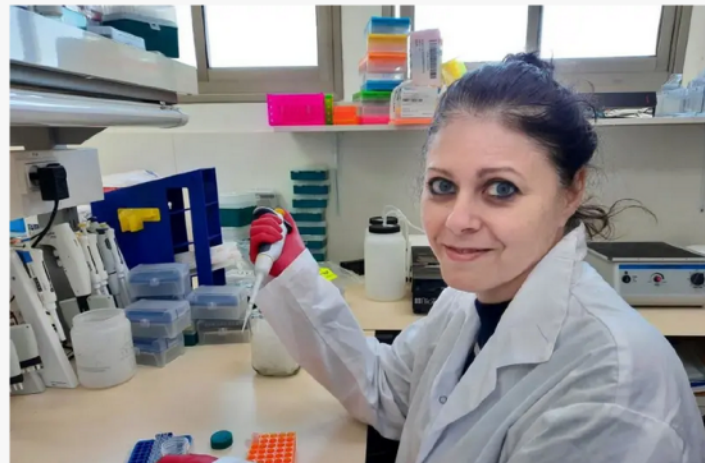
CORONAVIRUS ISRAEL NEWS ISRAEL ELECTIONS WORLD NEWS MIDDLE EAST U.S.

Jerusalem Post > Health & Science

Israeli research institute receives prestigious grant to study algae

"This grant will enable us to carry out breakthrough research that will hopefully bring forth innovative new therapies for diseases that currently lack effective treatment."

By JERUSALEM POST STAFF FEBRUARY 7, 2021 02:03



Dr. Dorit Avni from the MIGAL Galilee Research Institute receives the prestigious Horizon 2020 R&D grant, February 7, 2021. (photo credit: MIGAL RESEARCH INSTITUTE)

THE JERUSALEM POST

CORONAVIRUS ISRAEL NEWS ISRAEL ELECTIONS WORLD NEWS MIDDLE EAST U.S.



Jerusalem Post > Health & Science

Israeli researchers say spirulina algae could reduce COVID mortality rate

The algae has been shown to reduce inflammation.

By MAA'YAN JAFFE-HOFFMAN FEBRUARY 24, 2021 21:17



VAXA facilities in Iceland, where the algae are cultivated in order to change their metabolomic profile and bioactive molecules. (photo credit: ASAF TZACHOR)

4th Success story Gender-Equity unit

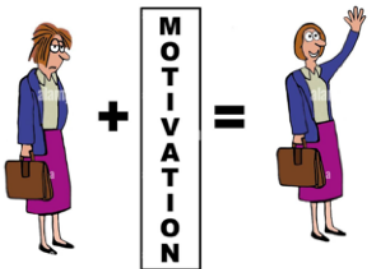
The Gender Equality Unit at Tel Hai Academic College was established in 2018 to deal with the under-representation of women in senior faculty and higher academic ranks, a phenomenon that characterizes educational institutions in Israel and the Western world in general.

The unit is engaged in raising awareness of the issue of gender fairness, creating conditions that support the advancement of women in college, and those who support women in the faculty who seek to advance their careers.

Andrea, a senior researcher at the MIGAL Research Institute, has joined the college's gender unit and supports issues of gender equality in academia at the Faculty of Science.



Impact of the course on the female researchers
was at the local, regional and international levels





R&I PEERS

Thanks for your attention!

Sigalf@migal.org.il

Dr Sigal Fishman
MIGAL – Galilee Research Institute, Israel