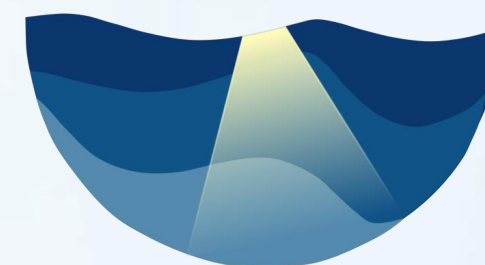


SCHEDULE

11-02-24

2023
IAAS MEETING
A SPOTLIGHT ON THE
FUTURE RESEARCHERS



08:30-08:50

 GATHERING & COFFEE

Morning sessions –I-

Monitoring:
Marine
time series

Benthic-pelagic coupling
//
Methods & innovations

Red Sea
biology: Threats
& interactions

08:50-11:00

Auditorium

Erdi 1

Erdi 2

11:00-11:30

 COFFEE BREAK

Morning sessions –II-

Monitoring tools
for
decision making

The Eastern
Mediterranean Sea:
From bottom to top

Microbial
interactions
across scales

11:30-13:30

Auditorium

Erdi 1

Erdi 2

13:30-14:30

 LUNCH

14:30-15:45

Posters session

Plenary session (Auditorium)

Spotlight on the future researchers in aquatic sciences

Prof. Rivka Carmi

Chairwoman of Science Abroad
executive committee

Dr Shlomit Sharoni

Massachusetts Institute of
Technology

Dr Tom Levy

Stanford University
Hopkins Marine Station

15:45-16:45

General assembly: Elections, awards & announcements



Beers & mingling

Panels and discussions:
finding a postdoc abroad
and a position in Israel

Museum
collection
tour

16:45-17:30

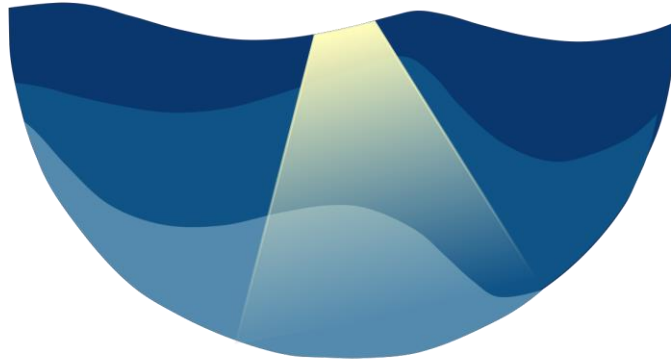
***  coffee will be available throughout the day ***



THE ISRAELI ASSOCIATION FOR AQUATIC SCIENCES

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2023 IAAS MEETING A SPOTLIGHT ON THE FUTURE RESEARCHERS



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de Botton Center
for Marine Science



הפקולטה למדעי החיים
ע"ש גודמן
The Goodman
Faculty of Life Sciences
אוניברסיטת בר-אילן
Bar-Ilan University



המחלקה למדעי כדור הארץ והסביבה
אוניברסיטת בן-גוריון בנגב



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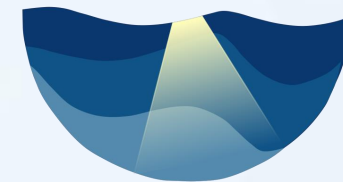


Morning sessions - I -



THE ISRAELI
ASSOCIATION
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SCIENCES

2023
IAAS MEETING
A SPOTLIGHT ON THE
FUTURE RESEARCHERS



Auditorium

Erdi 1

Erdi 2

Monitoring: Marine time series

Chairs: Ayelet Dadon-Pilosof, Yonathan Shaked
& Daniel Sher

Benthic-pelagic coupling

Chair: Aviv Solodoch

Red Sea biology: Threats & interactions

Chair: Tom Shlezinger

08:50-09:00

Greetings & opening of the 18th annual meeting

09:00-09:15

Israel's national monitoring
program at the Gulf of Eilat:
Questions revealed by data
Y. Shaked

Biological filtration at the micron and
submicron scale: recent advances and
knowledge gaps
G. Yahel

Reef building corals show
resilience to the hottest marine
heatwave on record in the Gulf
of Aqaba
N.R. Kochman Gino*

09:15-09:30

Differential evasion of bacterioplankton
phylotypes from sponges, the ultimate
filter feeders
S. Finger

Mitochondrial DNA content
decreases from larvae to
adulthood
H. Rapuano*

Coral and boring bivalve
symbiosis: Does coevolved
mutualism support the
resilience of coral reefs or does
parasitism threaten their
future?
N. Gavrieli*

09:30-09:45

Israel's national monitoring
program at the southeastern
Mediterranean: Goals and
scientific perspectives
E. Rahav

Near-bottom patterns of zooplankton
and phytoplankton over shallow and
deep coral reefs observed with
underwater imaging system and pumps
A. Genin

Methods & innovations
Chair: Aviv Solodoch

09:45-10:00

Ruppin's Coastal and
Estuarine Observatory
(RECO): A decade of coastal
oceanographic data
collection and education
A. Dadon-Pilosof & G. Yahel

Polarimetric computer vision and deep
learning method for spatio-temporal
water surface waves and celerity's
reconstruction in laboratory conditions
N. Ginio*

Sea urchin mass mortality in the
Red Sea and Western Indian
Ocean
L. Roth*

10:00-10:15

Morris Kahn monitoring
station: Insights from long-
term ecological research of
the Eastern Mediterranean
Sea (EMS)
**A. Tsemel & M. Krom & A.
Sheinin**

Desalination brines as a potential vector
for CO₂ sequestration in the deep sea
T. Jacobson

Post-larval processes reduce the
diversity of coral reef fish
communities
M. Lazarus*

10:15-10:30

Using dark diversity to disentangle the
effects of protection and habitat quality
in marine protected areas
T. Gavriel*

Sleepless sea: artificial light at
night impairs sleep and
increases neuronal DNA
damage in reef fish
S. Ben Ezra*

10:30-10:45

The use of biomedical tools in marine
frontiers, immunity and stem cell
transplantation for corals
B. Rosental

Capture of zooplankton by site-
attached fish: striking dynamics
under different flow speeds and
angles of approach
H. Ella Adam*

10:45-11:00

Climate change impact in the
Eastern Mediterranean sea:
Trends and extremes
S. Knobler*

All-female monosex in the freshwater
prawn *Macrobrachium rosenbergii* -
New ecological and aquaculture
avenues
M. Wahl*

The planktonic microbiome of a
coral reef in the Gulf of Aqaba:
diel and seasonal dynamics
H. Steinsdottir



Coffee break

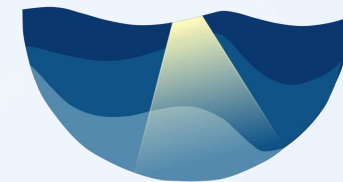
* Nominated student talk

Morning sessions - II -



THE ISRAELI
ASSOCIATION
FOR AQUATIC
SCIENCES

2023
IAAS MEETING
A SPOTLIGHT ON THE
FUTURE RESEARCHERS



Auditorium

Erdi 1

Erdi 2

Monitoring tools for decision making

The East Mediterranean: From bottom to top

Microbial interactions across scales

Chairs: Ayelet Dadon-Pilosof, Yonathan Shaked
& Daniel Sher

Chair: Omri Bronstein

Chair: Naama Lang-Yona

11:30-11:45

Long term monitoring programs,
from sampling to policy makers-
the Lake Kinneret example

G. Gal

The coastal-deep sea conveyor at
the eastern Levantine Basin

R. Alkalay*

Closing the gaps in freshwater
diazotrophy across the global
ecospace

E. Bar-Zeev

11:45-12:00

Marine Bioblitz: Biological
monitoring of marine nature
reserves in the Israeli
Mediterranean Sea

**R. Yahel & O. Frid Landau & M.
Lazarus & R. Diga**

The anthropogenic impact on
modern sedimentary records
offshore Haifa Bay, Israel

K. Weiss-Sarusi*

Unravelling the microscale
mechanisms driving particle
degradation in the ocean

U. Alcolombri

12:00-12:15

Surprising widespread *Cymodocea
nodosa* occurrence along Israel's
Mediterranean coast

O. Hepner Ucko*

Sea surface microlayer mediates
exchange between the
aerobiome and the Pacific Ocean

N. Lang-Yona

12:15-12:30

Long-term monitoring for
science-based management of
Israel's estuaries & the case of
extreme PFAS contamination

T. Topaz & N. Gridish

Deciphering Nutrient Limitation of
Microbial Community in the Eastern
Mediterranean Sea

T. Ben Ezra*

Recurrent association between
Trichodesmium colonies and
calcified amoebae in the Red Sea

F. Zhang

12:30-12:45

14 years of Mediterranean rocky
reefs ecological monitoring:
trends, surprises and lessons
learned

G. Raanan

Textbook invasion – the rise and fall
of *Diadema setosum* in the
Mediterranean Sea

O. Bronstein

Cell size increase as an indicator
of phosphorus limitation in
natural calcifying phytoplankton
(Coccolithophores) populations

M. Frada

12:45-13:00

You shall not pass!
(undetected): ARMS as a novel
monitoring tool for early
detection of non-indigenous
marine invertebrates

R. Zirler*

Revising a lost knowledge:
ichthyoplankton communities in the
Israeli Mediterranean coast

N. Stern

Differential colonization and
succession dynamics of marine
bacteria on different plastic
polymers - an experimental
approach

K. Davidov*

13:15-13:30

Are last centuries changes in
sedimentation regime off the Israeli
coast anthropogenic induced ?

O. Katz

Ecological insights into the
resilience of marine plastisphere
throughout a storm disturbance

D. Nguyen*

The Dead Sea sinkhole pools: a
source of microbial diversity in
an extreme environment

K. Li*

Lunch

* Nominated student talk

Plenary session



A Spotlight on the future researchers in aquatic sciences

15:45 **Opening: Prof. Yeala Shaked** (IAAS President)

Keynote Speaker: Prof. Rivka Carmi

15:50 Chairwoman of Science Abroad executive committee

The post-doc experience: Challenges & opportunities

Dr Shlomit Sharoni

Massachusetts Institute of Technology

16:05

Exploring the global impact of microscopic organisms in an ocean model

Dr Tom Levy

Stanford University | Hopkins Marine Station

16:20

Unlocking Secrets of Germline Stem Cells Through the Fascinating World of Marine Tunicates

16:35 IAAS updates: Dr. Hadar Elyashiv (coordinator)

16:40 Students' awards: Dr. Maxim Rubin-Bloom (IAAS awards committee)

Panels and discussions
