



Israel Oceanographic &
Limnological Research



Scientific Program

0830 – 09:30 Arrival & Registration

0930 – 1000 OPENING REMARKS AND GREETINGS

George Wm. Kissil – Symposium Organizer
Arik Diamant – Director of The National Center for Mariculture
Meir Yitzhak Halevi – Mayor of Eilat

1000 – 1045 ILAN PAPERNA MEMORIAL SESSION
Session Chair – Arik Diamant

1000 PLENARY LECTURE

Ron Dzikowski – Invited Speaker

"LIVING IN A HOSTILE ENVIRONMENT – A PERSPECTIVE OF A DEADLY KILLER "

1030 Arik Diamant & Reuven Yosef

ILAN PAPERNA : IN MEMORIAM

1045 – 1115 Refreshments + Poster Session

1115 – 1245 AQUACULTURE SESSION
Session Chair – Amos Tandler

1115 Ingrid Lupatsch

Assessing the potential of the marine polychaete *Nereis virens* to bioremediate solid waste from recirculating aquaculture systems

1130 Ohad Gafni

Proteins of the bioavailable temporary calcium storage organ in the crayfish *Cherax quadricarinatus*

1145 Lior Guttman

Off-flavor compounds, 2-methylisoborneol (Mib) and geosmin, reduction by sludge and sludge bacteria from a recirculating aquaculture system (RAS)

1200 Ido Sella

Tendon-like collagen fibers in an octocoral: farming for pharmaceutical purposes

1215 Boaz Zion

The "Virtual-Cage Culture": Controlling and harvesting fish using behavioral conditioning

1230 Daniel Golani

Reappraisal and updated checklist of fishes of the Red Sea.

1245 – 1345 Lunch + Poster Session

1345 – 1415 OPEN MEETING OF THE SOCIETY OF ISRAELI AQUACULTURE
AND MARINE BIOTECHNOLOGY

1345 George Kissil

Summary of SIAMB activities 2009

1400 Dan Mires

The Israeli Journal of Aquaculture - Bamidgeh

1415 Plenary Lecture

Lecture Chair – Hanna Rosenfeld

Zvi Yaron – Invited Speaker

Past experience and future perspectives in spawning induction of carp.

1445 - 1615 PARALLEL SESSION A: REPRODUCTION

Session Chair – Hillel Gordin

1445 Matan Golan

Sex inversion in tilapia by methyltestosterone is mediated through androgen receptor.

1500 Tomer Ventura

Towards monosex culture of prawns – The characterization of an androgenic gland specific insulin-like factor.

1515 Joseph Aizen

The functional specificity of the recombinant gonadotropins to various gonadotropin receptors.

1530 Jacob Biran

Functional characterization of the kisspeptin/kisspeptin receptor system

1545 Ohad Rosen

RNAi elucidates the role of an androgenic gland insulin-like gene in intersexuality.

1600 Hanit Ben-Ari

Effects of photoperiod manipulation and mammalian gonadotropin releasing hormone agonist (Mgnrha) treatment of reproductive characteristics of cultivated *Paracentrotus lividus* population.

1445 – 1615 PARALLEL SESSION B: GENETICS AND CULTURE TECHNIQUES
Session Chair –Sheenan Harpaz

1445 Andrey Shirak

DNA barcoding of Mediterranean fish species.

1500 Segal Lutzky

DNA barcoding of fish species from the Godavari river In India

1515 Amatzia Gantz

'Floating Syndrome' In farmed guppies, *Poecilia reticulata*

1530 Eran Sandel

Development of microsatellite markers for comparative genomics research in the common carp (*Cyprinus carpio*)

1545 Noam Mozes

Results of the operation of a low-head recirculating system pilot project

1600 Noam Mozes/Mohammad Al-Zibdah

The development of denitrification reactor and its application in marine RAS

1615 – 1645 COFFEE BREAK + POSTER SESSION

1645 – 1830 Evening Session: Tuna & Grouper

Session Chair – Arik Diamant

1645 Hillel Gordin

The state of domestication of blue fin tuna (three species) - A review

1700 Gilad Heinisch

Bluefin tuna enigma: unfamiliar behavior and life history uncertainties in the western Atlantic

1715 Nadja Berkovich

Control of reproductive maturation in captive bluefin tuna (*Thunnus thynnus*)

1730 Iris Meiri

Broodstock management of the white grouper (*Epinephelus aeneus*): problems and prospects

1745 Asaf Elkaym

Aspects of larval rearing of the white grouper, *Epinephelus aeneus*

1800 Sergei Gorshkov

A long-term plan for domestication of the white grouper (*Epinephelus aeneus*) in Israel

1815 Alexey Shatalov

Viral encephalopathy and retinopathy (VER), A major problem in Israeli and global marine aquaculture: A short review