

Gitai Yahel - Curriculum Vitae

Updated: 26 January 2010

Web: <http://web.uvic.ca/~yahel>

Yahel@Ruppin.ac.il

The School of Marine Sciences and Marine Environment
Ruppin Academic Center, Michmoret 40297, Israel

Skype [gitaiyahel](#)

Work +972 (9) 866 3497 #110
Home +972 (77)780 0637
Fax +972 (9) 866 5053
Cell +972 (52) 3923194



- **Birth:** 21 April 1964, Kibbutz Yad Mordechai, Israel
- **Family status:** Married, Three children (born 1998, 2002, 2006)

Academic position

2008-Present, Senior Lecturer (Oceanography and Benthic Ecology)

The School of Marine Sciences and Marine Environment, Ruppin Academic Center, Michmoret, Israel

2007-2008, Lecturer (Oceanography), The School of Marine Sciences and Marine Environment, Ruppin Academic Center, Michmoret, Israel

Academic education

2003-2006, Rothschild Post-doctoral fellowship at the University of Victoria (UVic), Biology Department. Host: Prof. V. Tunnicliffe (verenat@uvic.ca, <http://web.uvic.ca/~verenat/tunnicliffe.html>)

1997-2003, Ph.D. Thesis at the Hebrew University of Jerusalem (HUJI), Ecology, Systematics and Evolution Dep. (E.S.E) and the Interuniversity Institute for Marine Sciences in Eilat (IUI). Supervisor: Prof. Amatzia Genin (amatzia@vms.huji.ac.il). Title: "Feeding on ultraplankton and dissolved organic carbon in coral reefs: from individual-based rates to community processes".

1995-1997, Master of Science at HUJI, E.S.E Dep. and the IUI. Supervisor: Prof. Amatzia Genin. Title: "Phytoplankton distribution and grazing at coral reefs". Graduated with distinction, (95).

1996, Attended an Advanced EC course for numerical analysis of marine biology data (NAME) at the CNRS institute of Villefranche Sur Mer, France.

1990-1994, Bachelor of Science at HUJI (Biology - major, Statistics - minor), Graduated with distinction, (91).

1990-1991, Pre-academic course, The Hebrew University of Jerusalem (HUJI), Completed with distinction, (95).

Awards

1. 2003-2004, Rothschild Post-Doctoral Fellowship (KEREN YAD-HANDIV).
2. 2001, "IUI Scientific Director Scholarship Award". The Interuniversity Institute for Marine Sciences in Eilat.
3. 1999, "Avner Etzion Award of Distinction" for achievements in Oceanographic studies. The Hebrew University of Jerusalem.
4. 1999, "The Riger National Fund Fellow in Environmental Studies".
5. 1998, "The Riger National Fund Fellow in Environmental Studies".
6. 1998, "Alma Gal Award of Distinction" Awarded by the Dean of the Faculty of Mathematics and Natural Sciences of the Hebrew University of Jerusalem.

Current Academic Teaching

Courses are available online at <http://Moodle.Ruppin.ac.il>
(Hebrew Interface but all materials are in English)

1. Chemical Oceanography (2^{ed} year)
2. Biological Oceanography (3^{ed} year)
3. Oceanographic Cruise (3^{ed} year)
4. Under Water Research Methods (3^{ed} year)
5. Applied Ecology (3^{ed} Year, 2008 only)

Past academic teaching (IUI and Hebrew U. Instructor since 2001)

Advance graduates courses:

6. "Marine microbiology" 1997 - 2002
7. "Quantitative methods in marine ecology" 1997 - 2002

Undergraduate courses:

8. Guest lecturer in "Introduction to the Ocean" at University of Victoria, BC
9. "Introduction to the ecological system of the Gulf of Aqaba" 1997 - 2002
10. "Biology and systematic of marine invertebrates" 2001
11. "From organism to community- an introduction to ecology" 1996
12. "Introduction to the reptiles of Israel" 1995

Cruises

1. 2007-2009 R/V Mediterranean Explorer Oceanography of the Israeli Shelf (Eastern Mediterranean) 23 daily cruises
2. Oct. 2007 CGSS Vector + ROPOS, Straits of Georgia Glass sponge reef
3. Feb. 2006 CGSS J.P. Tully + ROPOS, VENUS deployment, Saanich Inlet
4. July 2005 CGSS J.P. Tully + ROPOS, BETHOS05, Fraser Ridge Glass sponge reefs
5. Nov. 2004 CGSS Vector + ROPOS, Fraser Ridge Glass sponge reef
6. Jul. 2004 CGSS J.P. Tully + ROPOS, Glass sponges at Barkley Sound

7. Sep. 2003 R/V Thomas G. Thompson + ROPOS, NEMO 2003 to Axial Seamount hydrothermal Vents,
(<http://www.pmel.noaa.gov/vents/nemo/expeditions.html>)
8. Sep. 2000 R/V King Snefro IV (National Geographic Society), Red Sea
9. Nov. 1998 R/V Sea-Surveyor, The Seychelles, Indian Ocean
10. Aug. 1997 R/V Sue-Allen, Gulf of Aqaba
11. Aug. 1996 R/V University I, Gulf of Aqaba

Scientific collaboration

I have co-authored papers with 24 researchers.

Some of the people with whom I worked are:

- Dr. Marta Ribes (mribes@icm.csic.es, CMIMA, Barcelona, Spain)
- Prof. J.R. Kosseff (kosseff@cive.stanford.edu, Stanford U. CA, USA)
- Prof. S.G. Monismith (monismith@cive.stanford.edu, Stanford U. CA, USA)
- Prof. J.H. Sharp (jsharp@udel.edu, CMS, DE, USA)
- Dr. S. Leys (sleys@ualberta.ca, U. of Alberta, Alberta, Canada)
- Prof. H.M. Reiswig (hmreiswig@shaw.ca, U. of Victoria, British Columbia, Canada)
- Dr. D. Marie (marie@sb-roscoff.fr, CNRS, Roscoff, France)
- Prof. Y. Benayahu (denlit@post.tau.ac.il, Tel Aviv U. Israel)
- Prof. A. Post (post@pob.huji.ac.il, Hebrew U., Israel)
- Prof. S. Belkin (Shimshon@vms.huji.ac.il, Hebrew U., Israel)
- Prof. A. Oren (orena@cc.huji.ac.il, Hebrew U., Israel)

Reviewer for:

- Aquatic Biology
- Aquaculture Research
- BMC Physiology
- Bulletin of Marine Science
- Diversity and Distribution
- FEMS Microbiology Letters
- Limnology and Oceanography
- Marine Ecology Progress Series
- NSF
- Washington Sea Grant

Military service

1982-1986, Israeli Air Force Air-borne Rescue Squadron (Unit 669), last position – Rescue Team commander.

1986-2003, Captain at the Rescue Squadron reserve forces (Unit 669), Rescue Team commander.

Civil occupations

- 1990-1995, Security – Israel President Residency (Jerusalem).
- 1986-1995, Bee-Keeper, Kibbutz Yad-Mordechai apiary.
- 1987-1989, Licensed guide (Hiking, Geography, Natural history, Geology) at Mount Hermon field centre of the Israeli Society for the Protection of Nature.
- 1986, Nature guide course, Israeli Society for the Protection of Nature.

Publication list

All papers are available as PDF files on my web site <http://web.uvic.ca/~yahel> where you can also find a list of submitted and “in preparation” papers.

Peer reviewed publications

20. Katz, T., G. Yahel, R. Yahel, V. Tunnicliffe, B. Herut, P. Snelgrove, J. Crusius, and B. Lazar (2009)
Groundfish overfishing, diatom decline, and the marine silica cycle: Lessons from Saanich Inlet, Canada, and the Baltic Sea cod crash
Global Biogeochem. Cycles, **23**, GB4032,
doi:10.1029/2008GB003416 [Journal](#) | [Abstract](#) | [PDF+SM](#) | [Supplementary video](#)
19. Yahel G., Peter G. Beninger, Marie D., and Genin A. (2009)
In situ size-independent retention of phytoplankton and bacteria by the tropical bivalve *Lithophaga simplex*
Aquat. Biol. **6**, 235-246 [Journal](#) | [Abstract](#) | [PDF](#)
18. Genin A, Monismith S.G, Reidenbach M.A., Yahel G., and Koseff J.R. (2009)
Intense benthic grazing of phytoplankton by the coral reef community
Limnol. Oceanogr. **54**, 938–951 [Journal](#) | [Abstract](#) | [PDF](#)
17. Yahel G., Yahel R., Katz T., Lazar B., Herut B., and Tunnicliffe V. (2008)
Fish activity, a major mechanism for sediment resuspension and organic matter remineralization in coastal marine sediments
Mar. Ecol. Prog. Ser. **372**, 195-209
[Journal](#) | [Abstract](#) | [PDF](#) | [Supplementary video](#)
16. Yahel G., Whitney F., Reisswig H.M., Eerkes-Medrano D.I., and Leys S.P. (2007)
In situ feeding and metabolism of glass sponges (Hexactinellida, Porifera) studied in a deep temperate fjord with a remotely operated submersible
Limnol. Oceanogr. **52**, 428-440 [Journal](#) | [Abstract](#) | [PDF](#) | [SOM](#)
15. Yahel G., Eerkes-Medrano D.I., and Leys S.P. (2006)
Size independent selective filtration of ultraplankton by hexactinellid glass sponges
Aquatic Microbial Ecology **45**:181-194 [Journal](#) | [Abstract](#) | [PDF](#)
14. Reidenbach, M.A., Monismith S.G., Koseff J.R., Yahel G., and Genin A. (2006)
Boundary layer turbulence and flow structure over a fringing coral reef
Limnol. Oceanogr. **51**: 1956-1968 [Journal](#) | [Abstract](#) | [PDF](#)
13. Monismith S.G., Genin A., Reidenbach, M.A., Yahel G., and Koseff J.R. (2006)
Thermally driven exchanges between a coral reef and the adjoining ocean
Journal of Physical Oceanography [Journal](#) | [Abstract](#) | [PDF](#)
12. Yahel G., Zalogin T., Yahel R., and Genin A. (2005)
Phytoplankton grazing by epi- and in-fauna inhabiting exposed rocks in coral reefs.
Coral Reefs. [Journal](#) | [Abstract](#) | [PDF](#)

11. Perkol-Finkel S., Shashar N., Barneah O., Ben-David-Zaslow R., Oren U., Reichart T., Yacobovich T., Yahel G., Yahel R., and Benayahu Y. (2005)
Fouling reefal communities on artificial reefs: Does age matter?
Biofouling 21, 127-140. [Journal](#) | [Abstract](#) | [PDF](#)
10. Yahel G., Marie D., and Genin A. (2005)
"InEx" – an *in situ* method to measure rates of element intake and excretion by active suspension feeders
Limnol. Oceanogr. Met. **3**, 46-58. [Journal](#) | [Abstract](#) | [PDF](#)
9. Yahel R., Yahel G., and Genin A. (2005)
Diel pattern with abrupt crepuscular changes of zooplankton over a coral reef
Limnol. Oceanogr. **50**, 930-944. [Journal](#) | [Abstract](#) | [PDF](#)
8. Yahel R., Yahel G., and Genin A. (2005)
Near-bottom depletion of zooplankton over coral reefs: I. Diurnal dynamics and size distribution
Coral Reefs **24**: 75-85 [Journal](#) | [Abstract](#) | [PDF](#)
7. Yahel G., Sharp J.H., Marie D., Häse C., and Genin A. (2003)
***In situ* feeding and element removal in the coral-reef sponge *Theonella swinhoei*: Bulk DOC is the major source for carbon**
Limnol. Oceanogr. **48** 141-149. [Journal](#) | [Abstract](#) | [PDF](#)
6. Yahel R., Yahel G., and Genin A. (2002)
Daily Cycles of Suspended Sand at Coral Reefs: A Biological Control
Limnol. Oceanogr. **47**: 1071-1083. [Journal](#) | [Abstract](#) | [PDF](#)
5. Genin A., Yahel G., Reidenbach M.A., Monismith S.G., Koseff J.R. (2002)
Intense benthic grazing on phytoplankton in coral reefs revealed using the control volume approach
Oceanography **15**, 90-96. [Journal](#) | [Abstract](#) | [PDF](#)
4. Yahel G., Post A.F., Fabricius K.E., Marie D., Vaultot D., and Genin A. (1998)
Phytoplankton distribution and grazing near coral reefs
Limnol. Oceanogr. **43**, 551-563. [Journal](#) | [Abstract](#) | [PDF](#)
3. Fabricius K.E., Yahel G., and Genin A. (1998)
***In situ* depletion of phytoplankton by an azooxanthellate soft coral**
Limnol. Oceanogr. **43**, 354-356. [Journal](#) | [Abstract](#) | [PDF](#)
2. Yahel G. (1998)
Suspension feeding in coral reefs - what about dissolved matter?
Isr. J. Zool. **44**, 90-91. [Journal](#) | [Abstract](#) | [PDF](#)
1. Fabricius K., Benayahu Y., Yahel G., Genin A. (1996)
Herbivory in Soft Corals: Correction.
Science **273**, 293b-297. [Journal](#) / [Abstract](#)

Submitted

Katz T., Yahel G., Reidenbach M., Tunnicliffe T., Herut B., Crusius J., Whitney F., and Lazar B.

Sediment resuspension by groundfish facilitates the transport and redistribution of sediments in deep coastal basins

Submitted to *Limnol. Oceanogr.*