

## *Curriculum Vitae Shimrit Perkol-Finkel*

**Email:** shimrit[at]searc-consulting.com

### **Current positions:**

- 1) Director & Chief Scientist: *SeArc* - Ecological Marine Consulting LTD.  
May 2010 – Present
- 2) Research Project Associate: RAMOT, at Tel-Aviv University LTD.  
Nov 2010 – Present.

### **A. EDUCATION:**

<b>Period of study</b>	<b>Name of University</b>	<b>Subject</b>	<b>Degree</b>
1995 – 1998	Tel-Aviv University <b>Magna cum laude</b>	Life sciences	B.Sc.
1999 - 2001	Tel-Aviv University <b>Summa cum laude</b>	Zoology -Ecology & Environmental Quality	M.Sc.
2001- 2007	Tel-Aviv University	Zoology	Ph.D.
2007 – 2008	Tel-Aviv University	Plant Sciences	Post-doc
2008 – 2010	Bologna University	Environmental Sciences	Post-doc

Title of Master's thesis: "Artificial and natural reefs in Eilat: Comparative aspects and interactions". Supervisor: Prof. Y. Benayahu, Tel-Aviv University.

Title of Doctoral dissertation: "Biological and ecological aspects of artificial reefs".  
Supervisor: Prof. Y. Benayahu, Tel-Aviv University.

Title of Post-doc research: "The influence of laminar flow on larval settlement"  
Supervisor: Prof. S. Beer, Tel-Aviv University.

Title of current Post-doc: "Sustainable management of urban marine structures"  
Supervisor: Dr. L. Airoidi, Bologna University.

### **B. ACADEMIC AND PROFESSIONAL EXPERIANCE:**

<b>Period</b>	<b>Name of Institution</b>	<b>Department/Course</b>	<b>Rank/Function</b>
1999 - 2007	Israel Maritime College, Ruppin Academic Center	Marine Ecological Systems	Teaching Assistant
1999 - 2002	Tel-Aviv University	Coastal Invertebrate Zoology	Teaching Assistant
1999 - 2004	Inter University Institute, Eilat	Red Sea Invertebrate Zoology	Teaching Assistant
1999 - 2004	Tel-Aviv University	Invertebrate Zoology	Teaching Assistant
2008	Master "Eco-Governance of Adriatic Lagoonal Ecosystems", Università del Salento, Lecce, Italy		Teacher: Interactive Master course.
2008-2009	Bologna University	Marine Biology Field Course	Teaching Assistant
2011	Israel Maritime College, Ruppin Academic Center	Marine Biotechnology Course	Teacher

### **C. SUPERVISION OF UNDERGRADUATE STUDENTS:**

- 2002 - 2004 Ido Sella - The effect of structural stability and surface orientation on fouling communities of artificial reefs.
- 2004 - 2005 Asaf Gorfinkel - Survivorship of coral transplants on artificial and natural reefs.
- 2008 - 2009 Roberto Bolzano – Fragmentation and habitat loss of *Cystoseira barbata* along the coast of Monte Conero (Ancona, Italy).
- 2008 - 2010 Valentina Nicotera – The potential of using coastal defence structures for re-population of *Cystoseira barbata* (Stackhouse) C. Agardh: results of a pilot study. MSc advisor.

### **D. ACADEMIC AND PROFESSIONAL AWARDS:**

- 1996 - 1998 Scholarship from the Dean of Students Office. TAU.
- 2000 Award for best M.Sc. student oral presentation at the Annual Meeting of the Zoological Society of Israel, Beer-Sheba, 2000.
- 2001 Rami Levine Award for excellence in M.Sc. achievements, granted by the Department of Zoology, TAU.
- 2002 Salim and Rachel Banin Foundation. Award for excellence in M.Sc. achievements. The Joint Jewish Drive – The Federation, New-York, The Israeli Office.
- 2002 The Aharon Katzir Center, Weizmann Institute of Science. Travel Scholarship.
- 2002 Rieger Foundation – JNF Fellow in Environmental Studies.
- 2002 Joan and Jaime Constantiner Institute of Molecular Genetics. Travel Scholarship. TAU.
- 2003 The Porter School of Environmental Sciences – Research Grant.
- 2003 The Morris Waldman Doctoral Fellowship, for Doctoral Students at the Department of Zoology. TAU.
- 2003 Award for excellence in teaching, granted by Mrs. Herta Kreimburg.
- 2004 Wolf Foundation – Award for excellence in Ph.D. achievements.
- 2004 The Anat Krauskopf Travel Fund - Department of Molecular Microbiology and Biotechnology, TAU.
- 2004 Rieger Foundation – JNF Fellow in Environmental Studies.
- 2005 Tobias Landau Award for PhD students.
- 2006 The George S. Wise fellowships for Post-Doc studies at the Faculty of Life Sciences.
- 2007 The Sussman Center of for Environmental Sciences at the Weizmann Institute of Science – 2007 Postdoctoral Fellowship.
- 2008 Marie Curie Fellow - Intra-European Fellowships for Career Development. MarUrbe (EU – FP7-PEOPLE-2007-2-1-IEF-219818)
- 2008 Levi Eshkol Post-doc Fellowship, State of Israel, Ministry of Science, Culture and Sport (renounced).
- 2010 PADI Foundation – Research Grant.

### **E. NATIONAL AND INTERNATIONAL CONFERENCES:**

- 1998 IX Pacific Science Inter-Congress, Taipei, Taiwan.

- 2000 9<sup>th</sup> International Coral Reef Symposium, Bali, Indonesia.  
**Title of lecture:** Comparison Between Artificial and Natural Reefs.
- 2000 The Zoological Society of Israel, Annual Conference, Beer Sheba, Israel.  
**Title of lecture:** Comparison Between Coral Communities of Artificial and Natural Reefs at Eilat (Red Sea).
- 2001 The 33<sup>rd</sup> Anniversary Conference of the Heinz Steinitz Marine Biology Laboratory, Eilat, Israel.  
**Title of lecture:** Artificial and Natural Reefs: a comparison.
- 2003 The Zoological Society of Israel, Annual Conference, Beer Sheba, Israel.  
**Title of lecture:** The effect of substratum stability on benthic artificial reef communities: biological and hydrodynamic aspects.
- 2004 10th International Coral Reef Symposium, Okinawa, Japan.  
**Title of lecture:** The effect of substratum stability on benthic artificial reef communities: biological and hydrodynamic aspects
- 2004 39<sup>th</sup> EMBS, Genoa, Italy.  
**Title of lecture:** Floating and fixed artificial reefs: the effect of substratum motion on benthic communities.
- 2005 8<sup>th</sup> CARAH, Biloxi, USA.  
**Title of lecture:** Which is stronger - age or structure? A comparison of benthic communities on a shipwreck to the adjacent natural reef.
- 2005 2<sup>nd</sup> Annual Conference of the Israeli Association of Aquatic Studies. Ramat Gan, Israel.  
**Title of lecture:** Comparing benthic communities of artificial and natural reefs: the roles of structural features and age.
- 2009 IMCC 2009, Washington DC, USA.  
**Title of Poster:** Conservation and restoration of fragmented communities of canopy-forming macroalgae in ecosystems undergoing global climate change.
- 2009 Oceans Past II, Vancouver, Canada.  
**Title of Poster:** The loss and recovery prospects of forests of canopy-forming macroalgae.
- 2009 XIX Congresso S.It.E. Bolzano, Italy.  
**Title of lecture:** Active restoration of fragmented canopy-forming macroalgal communities in a disturbed ecosystem.
- 2009 9TH CARAH, Curitiba, Brazil.  
**Title of lecture:** Promoting the growth of desirable assemblages on artificial marine structures: results from experimental tests in the North Adriatic Sea.
- 2010 51<sup>st</sup> Congress of the Israeli Geographical Association, Jerusalem, Israel.  
**Title of lecture:** Enhancing the biological and ecological value of coastal and marine infrastructures.
- 2011 2011 Congress of the Israeli Association for Aquatic Studies, Hadera, Israel.  
**Title of lecture:** Sustainable management of urban marine structures: results from the Adriatic Sea and possible applications for Israeli coastlines.
- 2011 39th Congress of the Israeli Association for Ecology and Environment, Megido, Israel.  
**Title of lecture:** Urban marine ecology in and era of global coastal changes.

## **F. FIELD AND RESEARCH EXPERIENCE:**

- Nov. 1998 Soft coral survey in Taiwan \*
- Dec. 1998 Research assistant in coral mass spawning experiments, Orpheus Isl., James Cook University, Australia.
- Jan. 1999 Research assistant at Leigh Marine Lab, Auckland University, New Zealand.
- Jan. 2000 Coral reef survey in Kenya \*
- Sept. 2000 Artificial reefs survey in the southern tip of Sinai, project coordinator National Geographic Society funded expedition \*
- Feb. 2001 Marine invertebrate survey on Kenyan reefs \*
- Feb. 2002 Marine invertebrate survey on Kenyan reefs \*
- July 2002 Tropical Marine Invertebrate Zoology Field Course, Jamaica.
- Jan. 2003 Primer v5 training course, Plymouth, UK.
- Feb. 2003 Marine invertebrate survey on Kenyan reefs \*
- Feb. 2004 Marine invertebrate survey on Kenyan reefs \*
- July 2004 Soft coral survey in Okinawa, Japan.
- Dec. 2004 Marine invertebrate survey on Tanzanian reefs \*
- Feb. 2005 Marine invertebrate survey on Eritrean reefs \*
- Mar. 2008 Bologna Winter School: Detecting biological and environmental changes: design and analysis of monitoring and experiments
- June-July 08 Ascidiaceans surveys in the north Adriatic, Italy & Croatia
- June 2009 Habitat mapping of canopy forming algal forest, Corsica, France
- Sep. 2009 Surveys of offshore aquaculture infrastructures, Vlore, Albania
- Oct. 2009 Habitat mapping of canopy forming algal forest, Rovinj, Croatia
- Sep.-Dec.10 Survey of dockings of the Israeli Electric Company, Israeli Coastline, Israel
- Mar.11-Present Restoration of intertidal habitats in Michmoret's Docking, Israel.
- \* Under a project headed by Prof. Y. Benayahu, Tel Aviv University.

## **G. MEMBERSHIP IN PROFESSIONAL SOCIETIES, REVIEWS:**

Society of Conservation Biology, International Society for Reef Studies, Marie Curie Fellows Association.

Reviewer for: Biofouling; Estuarine, Coastal and Shelf Science; Experimental Marine Biology; Journal of Experimental Marine Biology and Ecology, Marine Biology.

## **H. FIELDS OF INTEREST:**

Biology, life sciences, ecology, environmental sciences, conservation and restoration biology and ecology, biology of coral reefs, coral reef rehabilitation, transplantation, coastal development, artificial reefs, urban marine habitats, coastal and marine infrastructures: biology, ecology and design, human impacts on marine systems, coral reproduction and recruitment, larval settlement and dispersal, hydrodynamics, mariculture, algal ecology, invasive species, ecosystem based management, ecological engineering, marine spatial planning, applied restoration and conservation.

## **I. SPECIAL SKILLS**

Languages: Hebrew (mother tongue), English (perfect), Italian (fluent), Spanish (fluent).

Diving skills: Advanced open water diver since 1994, Dive Master since 1998, Nitrox Diver since 1999.

Computer skills: Microsoft Office programs: Word, Excel, Access, PowerPoint. Statistical analysis programs: STATISTICA, PRIMER, PERMANOVA.  
Computer graphics: Freehand, Photoshop, Sketchup.

Hobbies: Diving, snow boarding, running, swimming, reading, painting and raising two amazing little angels.