

## *Curriculum Vitae Ido Sella*

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

**Current position:** CEO & Head of lab and field operations,  
*SeArc - Ecological Marine Consulting*

### **A. Education**

**2001-2004** B.Sc. (Biology). Tel-Aviv University.

**2004- 2007** M.Sc. (Zoology) - Program in Ecology and Environmental Quality, Tel-Aviv University. (**Summa cum laude**).

Title of thesis: Development of a protocol for propagation of the soft coral *Sarcophyton glaucum* for pharmaceutical and reef-restoration purposes.

Names of Supervisor: Prof. Y. Benayahu.

**2007-2012** Ph.D. (Zoology). Tel-Aviv University.

Title of Thesis: The biological, chemical and mechanical properties of collagen fibers from the soft coral *Sarcopyton* sp.

Name of Supervisor: Professor Y. Benayahu

### **B. Teaching and professional experience**

2004-2011 Teaching assistant: Invertebrate Zoology, Tel-Aviv University.

2006-2010 Teaching assistant: littoral introduction, Israel maritime college

### **C. Scholarships and Awards**

2006 Lana danzinger scholarship for high Academic and teaching accomplishments. Life Sciences Faculty, Tel Aviv University

2006 ADSMAN traveling scholarship. Life Sciences Faculty, Tel Aviv University

2007 NSYSU APORC-Kuroshio Research Group, Taiwan:  
The Asia-Pacific Ocean Research Center fellowship

2008 Friday Harbor Laboratories, USA, scholarship program

2010 Kaspys scholarship for high Academic and teaching accomplishments.  
Life Sciences Faculty, Tel Aviv University

2011 Savannah Ocean Exchange – top 10 winning solutions for a better ocean

### **D. conferences**

2005 8TH CARAH - International Conference on Artificial Reefs & Habitats, Biloxi MS, USA. – attending

2006 34th annual conference –The Israel Society for Ecology  
Title: Development of a protocol for propagation of cuttings of the soft coral *Sarcophyton glaucum* for pharmaceutical and reef-restoration purposes

2006 3<sup>rd</sup> annual conference of The Israeli Association of Aquatic Sciences (IAAS), Haifa, Israel. Title: Development of a protocol for propagation of cuttings of the soft coral *Sarcophyton glaucum* for reef-restoration purposes.

2006 International Society for Reef Studies European Meeting (ISRS), Bremen, Germany. Title: *Sarcophyton glaucum*- Development of a propagation protocol for pharmaceutical and reef-restoration purposes

2010 Dan Popper Symposium for marine biotechnology and aqua-farming Eilat, Israel. Title: Tendon-like collagen fibers in an octocoral

- 2010 51st Congress of the Israeli Geographical Association, Jerusalem, Israel.  
Title of lecture: Enhancing the biological and ecological value of coastal and marine infrastructures.
- 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 an era of global coastal changes.

**E. Research experience**

- 1999-2002 First Mate and deck officer on the research vessel "sea survier" of the Interuniversity Institute of Eilat, Oceanography studies and surveys at the Red and the Mediterranean seas
- 2004 (Feb) Scientific expedition for collecting of marine biota for pharmaceutical use and biodiversity research, with cooperation of FARMAMAR (Spain), Kenya - the Indian Ocean.
- 2004 (Nov) Scientific expedition for collecting of marine biota for pharmaceutical use and biodiversity research, with cooperation of FARMAMAR (Spain), Pemba Island, Tanzania - the Indian Ocean.
- 2005 Dahlak Archipelago marine biodiversity expedition.  
Cooperation between Tel Aviv University and the University of Asmara. Eritrea – Southern Red Sea.
- 2007 Research internship (8 weeks) conducted at the Asia - Pacific Ocean Research Center, Taiwan
- 2008 Marine Biomechanics workshop (6 weeks) Friday Harbor Laboratories University of Washington, USA
- 2009 Surveys of offshore aquaculture infrastructures, Vlore, Albania
- 2010 Survey of dockings of the Israeli Electric Company, Israeli Coastline, Israel
- 2011 Restoration of intertidal habitats in Michmoret's Docking, Israel
- 2012 Survey of EConcrete units along different marine environments of the East coast of the USA.
- 2012 Deep sea environmental survey in Israeli economic water (900 m)
- 2012 Environmental assessment survey – Dolphin Reef, Israel.
- 2012 Deep sea environmental survey in Israeli economic water (1700 m) Chief Scientist and team leader.

**F. SKILLS**

- Languages: Hebrew (mother tongue), English (perfect).
- Diving skills: Advanced open water diver since 1995, Dive Master since 1999, Nitrox Diver since 1999.
- Computer skills: Statistical and analysis programs: STATISTICA, LABVIEW

**G. Selected publications and patents**

- 2006 **I.Sella** and Y. Benayahu  
*Sarcophyton glaucum*- Development of a propagation protocol for pharmaceutical and reef-restoration purposes.  
International Society for Reef Studies (ISRS), Bremen,

Germany. pp. 278-279

- 2006 S. Perkol-Finkel , G. Zilman, **I. Sella**, T. Miloh, Y. Benayahu. Floating and fixed artificial habitats: effects of substratum motion benthic communities in a coral reef environment. *Mar Ecol Prog Ser* 317: 9–20
- 2007 **Sella I.** & gur A. Marine invertebrates field guide to the Israeli Mediterranean coast. Department of Zoology pub. Tel-Aviv University, Tel-Aviv, Israel
- 2008 Perkol-Finkel, S., Zilman, G., **Sella, I.**, Miloh, T., Benayahu, Y. Floating and fixed artificial habitats: spatial and temporal patterns of benthic communities in a coral reef environment. *Estuarine, Coastal and Shelf Science*, 77, pp.491-500
- 2009 USA PCT patent No. 45776: Coral –derived collagen and methods of farming same.
- 2010 **Sella I.**, Kashman Y., Benayahu D., Lanir Y., Orgel J., Benayahu Y. (2010) Tendon-like collagen fibers in an octocoral. Dan Popper Symposium for marine biotechnology and aqua-farming. Eilat, Israel. Abstract book
- 2010 **Sella I.** and Benayahu Y. (2010) Rearing cuttings of the soft coral *Sarcophyton glaucum* (Octocorallia, Alcyonacea): towards mass production in a closed seawater system. *Aquaculture Research*. 41,12: 1748–1758