2019

Name: Yair Suari **Date: 16/12/2019**

CURRICULUM VITAE

1. Personal Details

Home Address: Hashaked 16, Hadera
Cellular Phone: +972-528524520
Electronic Address: yairsuari@gmail.com

2. Higher Education

A. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval
1998-2000	Hebrew Jewish University, Environmental sciences	Bsc.	2000
2000-2003	Bar-Ilan University and Israel oceanographic research, Life sciences (Supervisor: Prof. Zvi Dubinsky, Prof. Barak Herut, Dr. Yossi Yaacobi) Title of thesis: "*Phytoplankton Pollutants interactions in Haifa bay*".	Msc.	2004
2007-2013	Bar-Ilan University, Geography and Environment (Supervisor: Prof. Steve Brenner). Title of dissertation: *" Modeling the impact of riverine nutrients input on the south eastern Levantine planktonic ecology*".	PhD.	2014

B. Post-Doctoral Studies

No Post-Doctoral studies

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
2012-present	Ruppin academic center, Israel	Lecturer

4. Offices in Academic Administration

2012-present member of the teaching committee Ruppin academic center

5. Scholarly Positions and Activities outside the Institution

2012-present oceanographic advisor for the Israeli sailing federation

6. Participation in Scholarly Conferences

a. Active Participation (local)

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
2018	Israeli society of ecology and environmental sciences.	Tel Aviv	Alexander estuary research, current conclusions and future aims.	Lecturer
2016	Israel Association of Aquatic Sciences meeting.	Tel Aviv	Physical modelling of the Alexander estuary, Building an accessory tool for decision making	Lecturer
2015	Israel Association of Aquatic Sciences meeting.	Herzlia	Restoration of Israeli microestuaries (RIME), initial results and insights	Lecturer
2014	Israeli society of ecology and environmental sciences.	Tel Aviv	Expert workshop – Determining acceptable range of nutrient fluxes and concentrations in Israeli coastal water.	Lecturer and participant
2012	Israeli society of ecology and environmental sciences.	Emek Hayarden	The effect of Nile damming of the eastern Levantine basin ecology.	Lecturer
2011	Israel Association of Aquatic Sciences meeting.	Hadera	Calibration and validation of Marine biogeochemical model for the south eastern Levantine basin.	Lecturer
2005	Israeli society of ecology and environmental sciences.	Tel Aviv	Pollutants-phytoplankton interactions in Haifa bay.	Lecturer

b. Active Participation (international)

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
2014	CSIRO	Hobart, Australia	Modeling the effect of the Nile damming on the eastern Mediterranean	Lecturer
2012	ClimEco 3 summer school	Ankara, Turkey	A View Towards Integrated Earth System Models. Human-nature Interactions in the Marine World.	Lecturer
2010	Mediterranean operational oceanography network (MOON) annual meeting.	Istanbul, Turkey	Biogeochemical modelling of the Levantine basin decadal history	Lecturer

b. Organization of Conferences or Sessions

Date	Name of Conference	Place of Conference	Subject of Lecture/ Role at Conference/ Comments	Role
2018	Where river and sea meet	Michmoret	Treated wastewater surplus and the effect on Israeli rivers	Lecturer and organizer
2019	CTD workshop	Michmoret	Operation, and troubleshooting SeaBird CTD	Lecturer and organizer

7. Invited Lectures\Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation/Comments
05/2019	Sapir-Site	Faculty seminar for the IOLR Kineret Lab	Alexander estuary research insights

8. Research Grants

a. Grants Awarded

Role in Research	Co-Researchers	Topic	Founded by/Amount	Publications	Year
Co-PI	Gitai Yahel,	Long term monitoring of the Alexander estuary	KKL 758,000 NIS/Year		2019
Co-PI	Gitai Yahel, Sarig Gafni	Rehabilitation of the Israeli microestuaries	Yad Hanadiv 1,000,000 NIS	6	2014
Co-PI	Gitai Yahel, Sarig Gafni, Benny Hefets	Development of a knowledge based method for the rehabilitation of the Alexander Estuary	Yad Hanadiv 2,450,000 NIS	8,9	2016

b. Submission of Research Proposals – Pending

no pending research proposals

c. Submission of Research Proposals – Not Funded

Role in Research	Co-Researchers	Topic	Founded by	Year	Score
Co-PI	Michel David Krom, Beverley Goodman Tchernov	Evolving oxygen minimum zone in S-1 sapropel; understanding the effect of Nile input and natural climate change as predictor for modern processes	ISF	2016	

9. Scholarships, Awards and Prizes

Year	Institute	Award name
2015	Ruppin academic center	Excellency in research and teaching
2016	Ruppin academic center	Excellency in research and teaching
2017	Ruppin academic center	Excellency in research and teaching
2018	Ruppin academic center	Excellency in research and teaching

10. Teaching

a. Courses Taught in Recent Years

Year	Name of Course	Type of Course Lecture/Seminar/Workshop/High Learn Course/Introduction Course (Mandatory)	Degree	Number of Students
2018	Analysis and understanding ecological community structure	Lecture + Workshop	Msc.	110
2018	Advanced data analysis	Lecture + Workshop	Bsc.	110
2016	Data analysis and modelling in oceanography	Lecture	Ma.	20
2017	Natural sciences for Ruppin excellence program	Lecture + Workshop	Ba.	12
2012-2017	Chemical Ocenography	Lecture + Workshop	Bsc.	100
2013-2017	Geographic information systems	Lab + Computer lab course	Bsc.	30
2014-2017	Excel for biologists	Lab + Computer lab course	Bsc.	120
2012-2017	Oceanographic cruise	Workshop	Bsc.	100
2009-2013	Applied ecology	Lecture + Workshop	Bsc.	25

b. Supervision of Graduate Students

Name of Student	Title of Thesis	Degree	Date of Completion/in Progress	Students` Achievements
Boneh Shira	Alexander estuary plume dispersal	MSc.	In progress	Excelent

11. Miscellaneous

12. Professional Experience

2017 Coaching the Israeli Olympic sailing team

2013-Present Member of the Israeli sailing federation professional committee.

2012-Present Member of the Ruppin Academic Center committee for evaluation of online learning.

2012-2014 Academic supervisor, “The Ruth and Yuly Offer Marine Sciences Youth Program”.

2007 Introducing MOODLE online learning system to Ruppin academic center.

PUBLICATIONS

A. Ph.D.Dissertation

Suari, Y., Brenner, S., 2012. Modeling the impact of riverine nutrients input on the south eastern Levantine planktonic ecology. Bar Ilan University, Ramat Gan, Israel. 86-pp

A. Articles in Refereed Journals

Published

1. **Suari, Y.,** 2012. Modeling the impact of riverine nutrients input on the south eastern Levantine planktonic ecology. Bar Ilan University, Ramat Gan, Israel. (Thesis, 2 citations)

2. **Suari, Y.,** Brenner, S., 2014. RGB plots as a tool for the simultaneous visualization of multiple data layers in a two-dimensional space. PLoS One 9, e102903. https://doi.org/10.1371/journal.pone.0102903 (Q1, IF-3.35, 3 citations)

3. Tsemel, A., **Suari, Y.,** Scheinin, A., 2014. A "C" grade to the Israeli Mediterranean. Implementation of the International ocean health index for Israel. Isr. J. Ecol. 3, 2018–222. (Israeli journal)

4. **Suari, Y.,** Brenner, S., 2015. Decadal biogeochemical history of the south east Levantine basin: simulations of the river Nile regimes. J. Mar. Syst. 148, 112–121. https://doi.org/10.1016/j.jmarsys.2015.02.004 (Q1, IF-2.4, 6 citations)

5. **Suari, Y.,** Shaish, L., Gafny, S., Amit, T., Gilboa, M., Brokovitch, E., Yahel, G., 2017. Prolonged Oxygen stress at Alexander estuary are caused by nutrient loads and changes in sea stream connectivity. Ecol. Environ. (in Hebrew) 3, 44–52. (Hebrew journal)

6. **Suari, Y.,** Schram, B., Ashkenazi, A., Gann-Perkal, H., Berger, L., Reznikov, M., Shomrat, S., Kodesh, E., 2018. The Effect of Environmental Conditions on the Physiological Response during a Stand-Up Paddle Surfing Session. Sports. https://doi.org/10.3390/sports6020025 (new journal, no metrics)

7. **Suari, Y**., Amit, T., Gilboa, M., Sade, T., Krom, M.D., Gafni, S., Topaz, T., Yahel, G., 2019. Sandbar breaches control of the biogeochemistry of a micro-estuary. Front. Mar. Sci. 6, 224. https://doi.org/10.3389/fmars.2019.00224 (Q1, IF-3.4, 1 citation)

8. **Suari, Y.,** Dadon-Pilosof, A., Kadosh, T., Amit, T., Gilboa, M., Gafni, S., Topaz, T., Yahel, G., 2019. A five years physical and biogeochemical database. of a eutrophicated Mediterranean micro-estuary. https://doi.org/10.1016/j.dib.2019.104809. (Q1, IF-0.93)

Metadata for published papers

Publication	Q score	5 years impact	citations	Comments
1			2	PhD. Thesis
2	Q1 multidisciplinary	3.35	3	Part of my PhD. Almost only my work
3				Israeli journal of ecology is acknowledged by the council of higher education but don't have performance metrics. Here I had only modest distribution.
4	Q1 oceanography	2.4	6	Part of my PhD. Almost only my work
5				This is not a peer reviewed journal, but it's a very useful review of Levantine biogeochemistry.
6				Israeli journal of ecology is acknowledged by the council of higher education but don't have performance metrics. Here I was part of the research team did some of the sample collection, had minor contribution in the lab and led the data analysis and writing process.
7				This the second issue of the journal so there are no metrics yet. I led this research, did almost everything (with the help of Bsc. Students)
8	Q1 oceanography	3.4		Here I was part of the research team did some of the sample collection, had minor contribution in the lab and led the data analysis and writing process.
9	Q1 multidisciplinary	0.93		Here I was part of the research team did some of the sample collection, had minor contribution in the lab and led the data accessibility

J. Other Works Connected with my Scholarly Field

Yahel, G., **Suari, Y.,** Dadon-Pilosof, A., Kadosh, T., Amit, T., Belkin, N., Ozer, T.,

2014. Protocols book for oceanographic cruise course.

Suari, Y., Dadon-Pilosof, A., Kadosh, T., Amit, T., Belkin, N., Ozer, T., Yahel, G.,

2015. Protocols book for chemical oceanography field day.

K. Submitted Publications

Topaz, T., Egozi, R., Ben-Ari, J., **Suari, Y.,** Chefetz, B., Bassa, O., Gitai, Y., 2019. Environmental toxicity dynamics posed by multiple pesticides in a hypereutrophic Mediterranean Micro-Estuary (in prep).

Eleen Zirks, Michael Krom, Gerhard Schmiedl, **Yair Suari**, Beverly Goodman-Tchernov., 2019 Changes in the magnitude of the Nile flood plume and related paleoproductivity in the SE Levantine during sapropel S1 (in prep).

L. Summary of my Activities and Future Plans

I have been working at the Ruppin academic center (RAC), at the faculty of marine sciences, since 2006. During the years 2006-2014 I was teaching part time and studying for my PhD degree. At 2014, when I completed my PhD, and published my first paper, I was accepted to work full time in a lecturer position. I believe the achievement I will detail later in this letter, especially the fact that I was one of the two winners of the faculty prize for research and teaching excellency for the last three years justifies a promotion to senior lecturer position and I therefore request to begin the appointment process.

In my research I am mostly interested in water bodies biogeochemistry, including numerical modelling of such processes and in the study of sailing and marine sports. During the years 2014-2019, I published eight research papers with partners from RAC, From other Israeli universities and from universities abroad. I have published papers in all of these areas of interest.

Some of the work was financed by RAC but most of it was financed by two research grants to study the Alexander estuary I and others from RAC and from the Hebrew University applied for and won. The focus of the Alexander estuary research extends beyond the academic interest and was a vector for a change in assessment and environmental management of the Alexander estuary and probably other estuaries in Israel and the world will follow. Another symbol for the appreciation of my expertise I get from my colleagues and students can be seen by the fact I am a member of the steering committee for two PhD. Students and lead graduation projects in the Technion.

I dedicate most of my time into teaching, this dedication includes the fact I built and taught nine academic courses during my time in RAC. In my teaching I try to use high tech teaching tools including the fact the moodle teaching system was first installed in RAC on my PC, an active blog I operate which is used by RAC and other students to study operation of oceanographic equipment, an active youtube channels with hundreds of screencasts teaching computer operations that is one of the most popular in the world in the field of Geographic information systems. Thanks to the dedication to teaching my students teaching feedbacks are constantly improving. I am also mentoring an M.Sc. student at RAC.

The assets I bring to RAC beyond research and teaching include my high involvement in the Israeli marine and sailing community as a member of the Israeli sailing federation professional management, head of windsurfing activities and a lecturer both in national teams and trainer courses.