

## Curriculum Vitae- Tamar Kis-Papo Ph.D.

### Personal Details

**Tamar Kis-Papo Ph.D.**

Family status: married +3

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### Academic Background

<u>Degree</u>	<u>Field</u>	<u>Institution</u>	<u>Period</u>
Post-Doc	Molecular Biology	Institute of Evolution, the University of Haifa	2006-2007 2009-
	Identification and characterization the EhCrzA gene from the osmophilic Dead Sea fungus <i>Eurotium herbariorum</i> . Advisor Prof. Eviatar Nevo		
Ph.D.	Microbial Ecology	Institute of Evolution, the University of Haifa	1999-2004
	Ph.D. Thesis: Studies on the biodiversity, physiology and genetics of the Dead Sea fungi Advisors Prof. Aharon Oren, Prof. Solomon Wasser and Prof. Eviatar Nevo		
M.Sc	Evolution, Systematics and Ecology	The Hebrew University of Jerusalem	1996-1999
	M.Sc Thesis: Halophilic archaea in the saltren ponds: Population characterization and inquiry into the reciprocal relationship between bacteria. Advisor Prof. Aharon Oren		
B.Sc	Biology	The Hebrew University of Jerusalem	1993-1996
Teaching certificate	Biology	The Hebrew University of Jerusalem	1995-1997

### **Awards**

The Wolf Foundation scholarship for Ph.D. students 2000

### Technical expertise

- Ecological field experiments with isolation of organisms from soil and water (fresh and saline).
- Identification and culture of bacteria and fungi, as well as physiological experimentation.
- Extraction and manipulation of bacterial and fungal Nucleic Acids and cDNA, AFLP analysis (Amplified Fragment Length Polymorphism a DNA fingerprinting procedure), Cloning (competent cells and chemical or electrical transformation), sequencing (AB Genetic Analyzer- multicolor DNA analysis) and Real Time PCR (AB )

### Computer skills

- Proficiency in Windows: MS-Excel, Word, Power Point; Blast, FastPCR, BioEdit,

### Languages

- Hebrew and English as native.

**Publications:**

**International journals**

T. Kis-Papo, V. Kirzhner, S. P. Wasser and E. Nevo (2003) Evolution of genomic diversity and sex at the edge of life: Fungal life under hypersaline Dead Sea stress. *Proceedings of the National Academy of Science* **100**: 14970-14975.

T. Kis-Papo, A. Oren, S. P. Wasser and E. Nevo (2003). Survival of filamentous fungi in Dead Sea water. *Microbial Ecology* **45**: 183-190

T. Kis-Papo, I. Grishkan, A. Oren, S. P. Wasser and E. Nevo (2001) Spatiotemporal diversity of filamentous fungi in the hypersaline Dead Sea. *Mycological Research* **105**:749-756.

C.D. Litchfield, A. Irby, T. Kis-Papo and A. Oren (2001). Comparative metabolic diversity in two solar salterns. *Hydrobiologia* **466**: 73-80.

T. Kis-Papo and A. Oren (2000). Halocins: are they involved in the competition between halobacteria in saltern ponds? *Extremophiles* **4**(1): 35-41.

C. D. Litchfield, A. Irby, T. Kis-Papo and A. Oren (2000). Microbial diversity within the Eilat, Israel saltern. pp. 1229-1230 in *8<sup>th</sup> World Salt Symposium*, vol 2. (R.M. Greetman, ed.) Elsevier, Amsterdam.

C. D. Litchfield, A. Irby, T. Kis-Papo and A. Oren (2000) Comparisons of the polar lipid and pigment profiles of two solar salterns located in Newark, California, U.S.A., and Eilat, Israel. *Extremophiles* **4**(5): 259-265.

**Book chapters**

Tamar Kis-Papo (2005) Marine fungal communities. pp. 61-92 in *The Fungal Community: its organization and role in the ecosystem* -3rd ed. (Dighton J., Oudemans P. and White J. eds), CRC Press, Taylor & Francis Group, Boca Raron Fl.

Tamar Kis-Papo, Isabella Grishkan, Nina Gunde-Cimerman, Aharon Oren, Solomon P. Wasser and Eviatar Nevo (2003) Spatiotemporal Patterns of Filamentous Fungi in the Dead Sea. pp. 271-292 in *Fungal Life in the Dead Sea* (Nevo E., Oren A. and Wasser S.P. eds) A.R.A. Gantner Verlag K. –G., Liechtenstein.

Tamar Kis-Papo, Aharon Oren, Solomon P. Wasser and Eviatar Nevo (2003) Physiological Adaptation of Filamentous Fungi to the Dead Sea. pp. 293-313 in *Fungal Life in the Dead Sea* (Nevo E., Oren A. and Wasser S.P. eds) A.R.A. Gantner Verlag K. –G., Liechtenstein.

Tamar Kis-Papo, Aharon Oren, Solomon P. Wasser and Eviatar Nevo (2003) Genetic Diversity of Filamentous Fungi under Hypersaline Stress in Dead Sea. pp. 314-333 in *Fungal Life in the Dead Sea* (Nevo E., Oren A. and Wasser S.P. eds) A.R.A. Gantner Verlag K. –G., Liechtenstein.

Solomon P. Wasser, Isabella Grishkan, Tamar Kis-Papo, Asya Buchalo, Paul A. Volz, Eviatar Nevo, Nina Gunde-Cimerman, and Polona Zalar (2003) Species Diversity in Dead Sea. pp. 203-270 in *Fungal Life in the Dead Sea* (Nevo E., Oren A. and Wasser S.P. eds) A.R.A. Gantner Verlag K. –G., Liechtenstein.

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### Meeting Abstracts

A. Oren, T. Kis-Papo, and C. D. Litchfield (1998). Pigments and polar lipids in solar saltren ponds in California in Israel – a comparative study. 8<sup>th</sup> international Symposium on microbial Ecology, Halifax.

C. D. Litchfield, A. Irby, A. Oren and T. Kis-Papo (1999). Comparisons of the polar lipid and pigment profiles of two solar saltrens located in Newark, California and Eilat, Israel. 7<sup>th</sup> International Conference on Salt Lakes, Death Valley, CA.

C. D. Litchfield, A. Irby, A. Oren and T. Kis-Papo (1999). Microbial diversity in solar saltrens: carbon utilization patterns. 7<sup>th</sup> International Conference on Salt Lakes, Death Valley, CA.

C. D. Litchfield, A. Irby, A. Oren and T. Kis-Papo (1999). Microbial diversity in solar saltrens: carbon utilization patterns. *Virginia Journal of Science* 50: 135.

T. Kis-Papo, A. Oren, S. P. Wasser and E. Nevo (2000). Survival of fungal spores in Hypersaline Dead Sea water. pp. 47-48 in: *Abstracts of the Annual Meeting of the Israel Society for Microbiology*. Haifa.

T. Kis-Papo, I. Grishkan, A. Oren and E. Nevo (2001). Comparison of fungal diversity in the Dead Sea and the Jordan River. *Israel Journal of Plant Science* 49:160.