

A. Personal statement

TIRTZA ZAHAVI

Name Tirtza Zahavi	Position Title Viticulture specialist, Northern R & D, Migal
eRA COMMONS USER NAME (credential, e.g., agency login)	

א. פרטים אישיים

תרצה זהבי			
מומחית לגידול והגנת הצומח בגפן			
התמחות	DEGREE (if applicable)	MM/YY	אוניברסיטה
הורטיקולטורה	B.Sc.	9/1982	הפקולטה לחקלאות, רחובות,
הורטיקולטורה	M.Sc.	10/1989	האוניברסיטה העברית
פיטופתולוגיה	Ph.D.	10/2002	

עבודה

1991-2025. מדריכת גידול ורפרנטית להגה"צ בגפן. שה"מ, משרד החקלאות

2004 – היום מרצה, מכללת תל חי

2006 – היום. מרצה, מכללת אוהלו (היום תל-חי)

2017 - 2019. מרצה בפקולטה לחקלאות, האוניברסיטה העברית

2001 – 2005 הנהלת החברה הישראלית למחלות צמחים

2010 – היום. הנהלת קבוצת הגפן ב IOBC

B. Positions and Honors

Positions and Employment

1991-2025. Viticulture and plant protection specialist, Extension service, Ministry of Agriculture and Rural development

2004-to date. Lecturer, Tel-Hai College

2006-to date. Lecturer, Ohalo (now Tel-Hai) College

2017-2019, Lecturer, Hebrew university of Jerusalem

Other Experience and professional memberships

2001- to date, The Israeli Phytopathological Society

2010 to date, IOBC Viticulture

Awards and honors

1998 Scholarship awarded by Israeli fruit Board

1999 Scholarship awarded by Israeli fruit Board

2000 Scholarship awarded by Israeli fruit Board

C. Selected Publications (in recent years)

Zonenberg, T., Zahavi, T., Degani, O., Striem, M., Shlissel, M., & Dafny Yelin, M. (2025). Hybrid grapevine resistance to downy and powdery mildews in Israel under warm Middle Eastern conditions. *Plant Disease*, (ja).

Dafny-Yelin, M., Kohavi-Moy, J. C., Zahavi, T., Shlomit, D. O. R., Amber, H. I. L. L., & Shlomi, K. F. I. R. (2024). Deciduous fruit trees and grapevines as alternative crops in *Dematophora necatrix* (syn. *Rosellinia necatrix*) infested soils. *Phytopathologia Mediterranea*, 63(2), 259-268.

Naor, V., Zahavi, T., & Sharon, R. (2023). Diversity, distribution, and status of phytoplasma diseases in Israel. In *Diversity, distribution, and current status* (pp. 211-223). Academic Press.

Owoyemi, A., Lapidot, O., Kochanek, B., Zahavi, T., Salzer, Y., Porat, R., & Lichter, A. (2022). Sour rot in the vineyard is an indicator of Botrytis rot in grapes after storage. *Postharvest Biology and Technology*, 191, 111980.

Gal, Y., Crane, O., Zahavi, T., Harcabi, E., Raban, E., Peres, M., ... & Hagai, N. B. (2022). Leaf analysis as a decision tool for wine-grape fertilization.

Naor, V., Zahavi, T., Barkai, R., Weiss, N., Mozes-Daube, N., Dror, O., ... & Iasur-Kruh, L. (2021). *Frateuria defendens* reduces yellows disease symptoms in grapevine under field conditions. *Vitis*, 60(3).

Naor, V., Iasur-Kruh, L., Barkai, R., Weiss, N., Yahalomi, R., Sharir, T., ... & Zchorifein, E. (2019). Introducing the potential biological control agent *Frateuria defendens* into pot-and field-grown grapevines. *Phytopathologia Mediterranea*, 58(2), 341-346.

Lidor, O., Dror, O., Hamershlak, D., Shoshana, N., Belausov, E., Zahavi, T., ... & Bahar, O. (2018). Introduction of a putative biocontrol agent into a range of phytoplasma-and liberibacter-susceptible crop plants. *Pest management science*, 74(4), 811-819.

Iasur-Kruh, L., Zahavi, T., Barkai, R., Freilich, S., Zchori-Fein, E., & Naor, V. (2018). *Dyella*-like bacterium isolated from an insect as a potential biocontrol agent against grapevine yellows. *Phytopathology*, 108(3), 336-341.

Iasur-Kruh, L., Naor, V., Zahavi, T., Ballinger, M. J., Sharon, R., Robinson, W. E., ... & Zchori-Fein, E. (2017). Bacterial associates of *Hyalesthes obsoletus* (Hemiptera: Cixiidae), the insect vector of bois noir disease, with a focus on cultivable bacteria. *Research in microbiology*, 168(1), 94-101.

Sharon, R., Zahavi, T., Sokolsky, T., Sofer-Arad, C., Tomer, M., Kedoshim, R., & Harari, A. R. (2016). Mating disruption method against the vine mealybug, *P. lanococcus ficus*: effect of sequential treatment on infested vines. *Entomologia Experimentalis et Applicata*, 161(1), 65-69.

Harari, A. R., Zahavi, T., & Steinitz, H. (2015). Female detection of the synthetic sex pheromone contributes to the efficacy of mating disruption of the European grapevine moth, *Lobesia botrana*. *Pest management science*, 71(2), 316-322.

Sharon, R., Tomer, M., Sokolsky, T., Sofer-Arad, C., & Zahavi, T. (2015). Trap plants reduces grapevine yellows disease incidence in commercial vineyards. *Phytopathogenic Mollicutes*, 5(1s), S107-S108.

Yelin, M. D., Orbach, D., Zahavi, T., Sharon, R., Brudoley, R., Barkai, R. S., ... & Naor, V. (2015). The source plant for phytoplasmas in the Israeli vineyards is still a mystery. *Phytopathogenic Mollicutes*, 5(1s), S73-S74.

Sharon, R., Harari, A. R., Zahavi, T., Raz, R., Dafny-Yelin, M., Tomer, M., ... & Naor, V. (2015). A yellows disease system with differing principal host plants for the obligatory pathogen and its vector. *Plant Pathology*, 64(4), 785-791.

Naor, V., Iasur-Kruh, L., Barkai, R., Bordolei, R., Rodoy, S., Harel, M., ... & Zhorri-Fein, E. (2015). Introduction of beneficial bacteria to grapevines as a possible control of phytoplasma associated diseases. *Phytopathogenic Mollicutes*, 5(1s), S111-S112.

D. Research support (in the past 3 years)

Ongoing Research Support

2024-2026 Early, mechanical leaf removal to reduce rot development in table grapes Israeli fruit board, 100,000 NIS (PI)

2021-2025 Reduction of fungicides use in vineyards using resistant varieties. Israeli ministry of Agriculture 100,000 NIS

2024-2026 Use of ozonated water sprays to control grapevines foliar diseases and their effect on grape metabolites.

2023-2025 Bud dormancy in wine grapes. Does the growing location affects chilling needs. (120,000 NIS)

2026- Effects of post-harvest and winter irrigations on vine performance in wine vineyards.