

## Part I: CURRICULUM VITAE

### 1. Personal

Mery Dafny Yelin  
Merom Golan 12436  
Phone: 04-6123912 (work), 052-7388646 (mobile)  
Fax: 04-6963375  
Military service: 1993-1994  
Date of birth: 14/10/1974  
Place of birth: Israel  
e-mail: [merydy@migal.org.il](mailto:merydy@migal.org.il), [merydy@gmail.com](mailto:merydy@gmail.com)

### 2. University Education and Additional Training

- 1997 – 1999      B.Sc. in Agriculture, Hebrew University of Jerusalem, Faculty of Agricultural, Food and Environmental Quality Sciences, the Institute of Plant Science in Agriculture and Horticulture
- 1999 – 2005      Ph.D. at the Hebrew University of Jerusalem, Faculty of Agricultural, Food and Environmental Quality, the Institute of Plant Sciences  
Thesis: Rosa hybrida Petal Development – Characterization of Total Protein and Functional Analysis of sHSP-CI  
Supervisors: Prof. Alexander Vainshtein and Prof. Zach Adam
- 2006 – 2008      Postdoctoral position at the University of Michigan, Department of Molecular, Cellular and Developmental Biology with Dr. Tzvi Tzfira  
Research subject: Agrobacterium T-DNA Integration Study
- 2008 – 2009      Postdoctoral position at Migal with Rachel Amir  
Research subject: Pomegranate metabolism

### 3. Positions Held and Academic Status

- 2010 to 2015      Research Scientist at the Golan Research Institute
- 2015 to date      Research Scientist at the Northern Research & Development

### 4. Training / Teaching Experience

#### A. Academic Contribution:

- 2009 to date      Lecturer at Tel-Hai Academic College, Nutrition Science and Food Science  
Course: Scientific Writing
- 2011 – 2012      Lecturer at the Ohalo College, The Winery School  
Course: Cell Biology
- 2011 to date      Lecturer at the Ohalo College, The Winery School

2018 Course: Plant Physiology and Anatomy  
 Workshop: Diseases of deciduous trees and grapevines  
 Lecture at the Hebrew University of Jerusalem, Faculty of Agricultural, Food  
 and Environmental Quality

B. Guidance of MA Students in Research Projects:

| <b>Graduation date</b> | <b>Name</b> | <b>Title of thesis</b>  | <b>Guidance with</b>                  |
|------------------------|-------------|---|---------------------------------------|
| 2018                   | Sarah Agmon | Characterization of genetic resistance mechanisms against <i>Sclerotium rolfsii</i> in peanut | Dr. Ran Hovav<br>Dr. Assaf Distelfeld |

## Part II: LIST OF PUBLICATIONS

### 1. Articles in Reviewed Journals

1. Guterma, I., Shalit, M., Menda, N., Piestun, D., **Dafny-Yelin, M.**, Shalev, G., Bar, E., Davydov, O., Ovadis, M., Emanuel, M., Wang, J., Adam, Z., Pichersky, E., Lewinsohn, E., Zamir, D., Vainstein, A. and Weiss, D. (2002). Rose scent: genomics approach to discovering novel floral fragrance-related genes. *Plant Cell* 14: 2325-2338.
2. **Dafny-Yelin, M.**, Guterma, I., Menda, N., Shalit, M., Pichersky, E., Zamir, D., Lewinsohn, E., Adam, Z., Weiss, D. and Vainstein, A., (2005). Flower proteome – changes in protein spectrum during the advanced stages of rose petal development. *Planta* 222: 37-46.
3. **Dafny-Yelin, M.**, Chung, S.M., Frankman, E.L. and Tzfira, T. (2007). pSAT RNA interference vectors: a modular series for multiple gene down-regulation in plants. *Plant Physiol.* 4: 1272-1281.
4. **Dafny-Yelin, M.**, and Tzfira, T. (2007). Delivery of multiple transgenes to plant cells. *Plant Physiol.* 4: 1118-1128.
5. Citovsky, V., Kozlovsky, S.V., Lacroix, B., Zaltsman, A., **Dafny-Yelin, M.**, Vyas, S., Tovkach, A., Tzfira, T. (2007). Biological systems of the host cell involved in *Agrobacterium* infection. *Cell Microbiol.* 9: 9-20.
6. **Dafny-Yelin, M.**, Levy, A. and Tzfira, T. (2008). The ongoing saga of *Agrobacterium*-host interactions. *Trends Plant Sci.* 13: 102-105.
7. **Dafny-Yelin, M.**, Tzfira, T., Vainstein, A. and Adam, Z. (2008). Non-redundant functions of sHSP-CIs in acquired thermotolerance and their role in early seed development in *Arabidopsis*. *Plant Mol. Biol.* 67:363-373.
8. Levi, A., **Dafny-Yelin, M.** and Tzfira, T. (2008). Attacking the defenders: plant viruses fight back. *Trends Microbiol.* 16: 194-197.
9. **Dafny-Yelin, M.**, Glazer, I., Bar-Ilan, I., Kerem, Z., Holland, D. and Amir, R. (2010). Color, sugars and organic acids composition in aril juices and peel homogenates prepared from different pomegranate accessions. *J. of Agric. and Food Chem.* 58:4342-4352.

10. Zahavi, T., Sharon, R., Sapir, G., Mawassi, M., **Dafny-Yelin, M.**, & Naor, V. (2013). The long-term effect of Stolbur phytoplasma on grapevines in the Golan Heights. *Australian Journal of Grape and Wine Research*, 19(2), 277-284.
11. Sharon, R., Zahavi, T., Raz, R., Harari, A.R., **Dafny-Yelin, M.**, Asor, M., Sofer-Arad, C., Weintraub, P. and Naor V. (2015) The missing link in the relationship of an obligatory pathogen, its vector and their different host plants. *Plant Pathology* 64, 785-791.
12. **Dafny-Yelin, M.**, Levy, A., Dafny, R., Tzfira, T. (2015). Blocking T-strand conversion to double-stranded intermediates by overexpression of yeast DNA Replication Factor-A. *plant physiol*, 167, 153-163.
13. **Dafny Yelin, M.**, Mairesse, O., Moy, J., Dor, S., & Malkinson, D. (2018) Genetic diversity and infection sources of *Rosellinia necatrix* in northern Israel. *Phytopathologia Mediterranea* (Accepted for publication: January 24, 2018).
14. Arjona-López , J.M., Telengech, P., Jamal, A., Hisano, S., Kondo, H., **Dafny Yelin, M.**, Arjona-Girona, I., Kanematsu S, López-Herrera, C.J, and Suzuki N. (2018) Novel, diverse RNA viruses from Mediterranean isolates of the phytopathogenic fungus, *Rosellinia necatrix*: implication of lateral virus transmission among sympatric fungi. *Environmental Microbiology and Environmental Microbiology Reports* (Accepted for publication: February 13, 2018)
15. **Dafny Yelin, M.**, Dor, S., Mairesse, O., & Moy, J. (2018) Effect of Fungicide Activity on White Root Rot of Apple Trees. (Submitted)

## 2. [Articles in Reviewed Journals/books in Hebrew](#)

16. **מאיריס א.**, ברודולאי, ר., דור ש., נסראללה ש., מערי, ת., ספאדי, פ., ספאדי, א., פרימן ס., כפיר ש., לוי ע., מירון מ. ודפני ילין מ. (2016). מחלת ריקבון השורשים הלבן (*Rosellinia necatrix*) במטעי נשירים – סקר קרקעות לבחינת מידת תפוצת המחלה עמוד: 138-150. בקובץ "מחקרים חדשים של הגליל וסביבותיו ספר שני". עורכים: גרוסמרק צ, גורן ח, עבאסי מ, זלטנרייך י, גרינברג ז. הוצאת איתי בחור.

## 3. [Articles in Non-Reviewed Journals in Hebrew and English](#)

17. **דפני ילין, מ.**, ברודולאי, ר., נסראללה ש., מערי, ת., ספאדי, פ., ספאדי, א., פרימן ס., כפיר ש., לוי ע., מירון מ. (2013). מחלת ריקבון השורשים הלבן (*Rosellinia necatrix*) במטעי נשירים – סקר קרקעות לבחינת מידת תפוצת המחלה. 'עלון הנוטע'. גליון מס' 10: 40-44.

18. **דפני ילין, מ.**, נאור, ו., ברודולאי, ר., ברקוביץ, ר.ש., זהבי, ת., שרון, ר., תומר, מ., סופר-ארד, כ., וינטראוב, פ., מואסי, מ., אורבך, ד. (2014). חיפוש המקור לחיידק הצהבון בכרמים בגולן. 'עלון הנוטע'. גליון מס' 9: 18-22.

19. **דפני ילין, מ.**, דור, ש., מיאירס, א., לייקין, מ., שמיאן, ש., פרימן, ס. (2015). הדברה כימית כנגד רקבון השורשים הלבן בדרך לפתרון. עלון הנוטע גליון מס' 9: 28-31.

20. **דפני ילין, מ.**, מוי, י., קריין, ע., זהבי, ת., עובדיה, ש., דור, ש., לוי, ק. (2017). הופעת כשותית הגפן בכרם כתלות במזג האוויר- כלי להפחתת ריסוסים. עלון הנוטע גליון מס' 6: 34-38.

21. דפני ילין, מ., מיאירס, מוי, י., דור, ש., רביב, מ. (2017) השפעת קומפוסט על מחלת רקבון השורשים הלבן במטעי תפוח. הוגש לעלון הנוטע.

#### 4. Articles in Symposia Proceedings

17. **Dafny-Yelin, M.**, Orbach, D., Zahavi, T., Mawassi, M., Weintraub, P., Sharon, R., and Naor, V. (2012). Stolbur type II phytoplasma in North Israel vineyards. What is the plant source of infection? Proceedings of the 17<sup>th</sup> congress of the international council for the study of virus and virus like diseases of the grapevine (ICVG). 228-229.
18. Orbach, D., Naor, V., Zahavi, T., Sharon, R., Mawassi, M., Weintraub, P., **Dafny-Yelin, M.** (2012). Characterization of Phytoplasma sp. populations in wild and cultivated plant species around vineyards with Yellows diseases. 32<sup>nd</sup> Congress of The Israeli Phytopathological Society.
19. **Dafny-Yelin, M.**, Orbach, D., Zahavi, T., Mawassi, M., Sharon, R., and Naor, V. (2013). Searching for the Stolbur type II phytoplasma source plant of the infection in northern Israel. In: Abstracts of Presentations at the 34<sup>th</sup> Congress of the Israeli, Phytoparasitica. 41:471.
20. Naor, V., Mawassi, M., Ezra, D., Raz, R., Bordolay, R., **Dafny-Yelin, M.**, Ziv, M. and Zahavi T. (2013). Model systems to study phytoplasma *in vitro* In: Abstracts of Presentations at the 34<sup>th</sup> Congress of the Israeli, Phytoparasitica. 41: 470.
21. Naor, V., Zahavi, T., Bordolay, R., Berkowitz, Wassermann A., Harel, M., Gol E., and **Dafny-Yelin M.** (2014). The recovery phenomenon as a potential tool to decrease phytoplasma yellows disease in grapevine. In: Abstracts of Presentations at the 35<sup>th</sup> Congress of the Israeli Phytopathological Society, Phytoparasitica. 42: 651-672.
22. **Dafny-Yelin, M.**, Bordelei, R., Nasralla, R., Safadi, A.M., Safadi, P., Freeman, S., Taiseer M., Kfir, S., Levi, O. and Miron, M. (2014) *Rosellinia necatrix* in deciduous orchards: Evaluation of pathogen distribution. In: Abstracts of Presentations at the 35<sup>th</sup> Congress of the Israeli Phytopathological Society, Phytoparasitica. 42: 651-672.
23. **Dafny Yelin, M.**, Orbach, D., Zahavi, T., Sharon, R., Brudoley, R., Barkai, R. S., Tomer, M., Sofer Arad, C., Weintraub, P., Mawassi, M., & Naor, V. (2015). The source plant for phytoplasmas in the Israeli vineyards is still a mystery. *Phytopathogenic Mollicutes*, 5(1s), S73-S74.
24. **Dafny Yelin M.**, Dor, S., Dahar, R., Rabinovich, O., Ben-Yephet, Y. (2015) Chemical control of *Sclerotium rolfsii* incidence in peanut cultivars in the Hula Valley in Israel. In: 47<sup>th</sup> Annual meeting of the American peanut research education society.
25. **Dafny Yelin, M.**, Dor, S., Rabinovich, O., Ben-Yephet Y., and R. Hovav. (2016) Reducing damage caused by *Sclerotium rolfsii* in peanut cultivars in the Hula Valley by cultivar testing and chemical control. In: Abstracts of Presentations at the 37<sup>th</sup> Congress of the Israeli Phytopathological Society, Phytoparasitica. 44:269-281.

26. **Dafny Yelin, M.**, Mairesse, O., Moy, J., Silberstein, M., Roditi, T., Manulis-Sasson, S., Shtienber, D. (2017) Epidemiology of fire blight disease caused by *Erwinia amylovorain* the Pink Lady® apple cultivar in Israel. In: Abstracts of presentations at the 38th Congress of the Israeli Phytopathological Society, *Phytoparasitica*. 45:251-272
27. Moy, J., Moshe, O., Dor, S., Mairesse, O., Waserman, A., Crane O., Ovadia, S., Zahavi, T., **Dafny Yelin, M.**, (2017) Grape downy mildew appearance in Israel as a result of a continuous or single rain event. In: Abstracts of presentations at the 38th Congress of the Israeli Phytopathological Society, *Phytoparasitica*. 45:251-272