

## CURRICULUM VITAE

**Doron Schneider**

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### **PERSONAL**

Born: 1968, Israel

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### **UNIVERSITY EDUCATION**

- 2003-2004 Post doctoral research at Migal, Galilee Technology Center, Kiryat Shmona, Israel. Research subject: Studying the gametophytic self-incompatibility mechanism in apples (*Malus Domestica*) by expressing mutants of S2-RNase in the yeast strains *Pichia pastoris* and *Saccharomyces cerevisiae*. Supervisor: Prof. M. Goldway.
- 1998-2002 Ph.D. at the department of Plant Sciences, Faculty of Life Sciences, Tel-Aviv University, Israel. Title of thesis: "Study of biological, ecological and molecular factors influencing pollination and fertilization in the apple *Malus domestica* 'Topred' strain". Supervisors: Profs. D. Eisikowitch and M. Goldway.
- 1991-1993 M.Sc. with distinction at the department of Biochemistry, Faculty of Life Sciences, Tel-Aviv University, Israel. Title of thesis: "Tyrosine phosphatases in phagocytes". Supervisor: Prof. I. Aviram.
- 1988-1991 B.Sc. in Chemistry, at the Technion, Israel Institute of Technology, Haifa, Israel.

### **PROFESSIONAL EXPERIENCE**

- 2006 to date Regional agricultural researcher for north of Israel at Northern R&D, Kiryat Shmona, Israel
- 2004-2007 Lecturer, Biochemistry courses: Carbohydrates, Lipids and Proteins. Ort Braude College, School of Practical Engineering, Karmiel, Israel.
- 2002-2005 Teaching Assistant, General Chemistry and Molecular Biology Laboratory Courses. Tel-Hai Academic College, Upper Galilee, Israel.

1995-1998 Technician at Northern R&D Phichman Agriculture Experimental Station.

### **PARTICIPATION IN INTERNATIONAL SEMINARS**

- 2002 International Congress on Sexual Plant Reproduction (27<sup>th</sup>), Lublin, Poland.
- 2008 International Symposium on Olive Growing (6<sup>th</sup>), Evora, Portugal
- 2009 International Symposium on Plant Bioregulators in Fruit Production (11<sup>th</sup>), Bologna, Italy.
- 2010 International Symposium on Loquat (3<sup>rd</sup>), Antakya, Turkey.
- 2011 Olivebioteq – International conference for olive tree and olive products, Chania, Crete, Greece
- 2013 International Symposium on Mango (10<sup>th</sup>), Punta Cana, Dominican Republic
- 2014 International Symposium on Loquat (4<sup>th</sup>), Palermo, Italy

### **LIST OF PUBLICATIONS**

#### **ARTICLES IN REVIEWED JOURNALS**

- Schneider, D.**, Stern, R.A., Eisikowitch, D. and Goldway, M. (2001) Determination of the self fertilization potency of ‘Golden Delicious’ apple. *J. Hort. Sci. Biotech.* 76: 259-63.
- Schneider, D.**, Stern, R.A., Eisikowitch, D. and Goldway, M. (2001) Analysis of S-alleles by PCR for determination of compatibility in the ‘Red Delicious’ apple orchard. *J. Hort. Sci. Biotech.* 76: 596-600.
- Schneider D.**, Stern R.A., Eisikowitch D., and Goldway M. (2002) The relationship between floral structure and honeybee pollination efficiency in ‘Jonathan’ and ‘Topred’ apple cultivars. *J. Hort. Sci. Biotech.* 77: 48-51.
- Schneider, D.**, Stern, R.A., Eisikowitch, D. and Goldway, M. (2004) A comparative study of the superior fertility of ‘Smoothee’ Golden Delicious apple. *J. Hort. Sci. Biotech.* 79: 596-601
- Schneider, D.**, Stern, R.A. and Goldway, M. (2005) A comparison between semi and fully compatible apple pollinators grown under sub-optimal pollination condition. *HortScience.* 40: 1280-1282
- Matityahu, A., Stern, R.A., **Schneider, D.** and Goldway, M. (2005) Molecular identification of a new apple S-RNase – S-29 – cloned from Anna, a low chilling requirement cultivar. *HortScience.* 40: 850-851

- Schneider D.**, Goldway M., Rotman, N. Adato I. and Stern R.A. (2009) Cross pollination improves 'Orri' mandarin fruit yield. *Sci. Hort.* 112: 380-384.
- Niska, R., Goldway, M., **Schneider, D.** (2010) *S6-RNase* Is a Marker for Self-compatibility in Loquat (*Eriobotrya japonica* Lindl.). *HortScience.* 45: 1146-1149.
- Schneider D.**, Goldway M., Birger R., Stern R.A. (2011) Suppression of olive (*Olea europaea* L.) tree growth by uniconazole in high-density orchard. *Israel J. Plant Sci.* 59: 85-92.
- Schneider D.**, Goldway M., Birger R., Stern R.A. (2012) Does alteration of 'Koroneiki' olive tree architecture by uniconazole affect productivity? *Sci. Hortic.* 139: 79-85
- Naor, A., **Schneider, D.**, Ben-Gal, A., Zipori, I., Dag, A., Kerem, Z., Birger, R., Peres, M. and Gal, Y. (2013) The effects of crop load and irrigation rate in the oil accumulation stage on oil yield and water relations of 'Koroneiki' olives. *Irr. Sci.* 31: 781-791.
- Zisovitch, A.H., Goldway, M., **Schneider, D.**, Steinberg, S. and R. A. Stern. (2012) Adding bumblebees (*Bombus terrestris*) to pear orchards improves cross-pollination and increases seed number, fruit set, fruit size and yield. *J. Hort. Sci. Biotech.* 87: 353-359.
- Nyska, R., Raz, A., Baras, Z., Shafir, S., Goldway, M. and **Schneider, D.** (2014) Self-compatibility in loquat (*Eriobotrya japonica* Lindl.) is possibly due to S6-RNase mutation. *Sci. Hortic.* 176: 248-254
- Dag, A., Naor, A., Ben-Gal, A., Harlev, G., Zipori, I., **Schneider, D.** and Kerem, Z. (2014). The effect of water stress on super-high-density 'Koroneiki' olive oil quality. *J. Sci. Food Agri.* <http://www.researchgate.net/publication/265605518>
- Schneider, D.**, Anntman, S. and Stern, R.A. (2015) Potassium-nitrate treatment controls purple spot in 'Akko 1' loquat fruit (*Eriobotrya japonica* Lindl.). *FRUITS*. Submitted.

#### **ARTICLES IN REVIEWED PROCEEDINGS**

- Goldway, M., **Schneider, D.**, Yehuda, H., Matityahu, A., Eisikowitch, D. and Stern, R.A. (2001) The effect of apple *S*-allele compatibility on fruit set levels in non-optimal fertilization conditions. *Acta Hort.* 561: 231-234.
- Schneider D.**, Goldway M., Adato I., Birger R., Stern R.A. (2010) Foliar application of uniconazole suppresses 'Arbequina' olive (*Olea europaea* L.) tree growth in high-density orchard. *Acta Hort.* 884: 671-676.
- Schneider, D.**, Goldway, M. and R.A. Stern (2010) Difference in self-fertilization efficiency among three loquat cultivars. *Acta Hort.* 887: 209-213.

- Schneider, D.**, Ben-Gal, A., Zipori, I., Dag, A., Kerem, Z., Birger, R., Peres, M., Gal, Y. and Naor, A. (2011) Suppression of olive tree growth by early-season water stress and uniconazole. *Olivebioteq.* 329-334.
- Goldway, M., Stern, R.A., Zisovich, A., Raz, A., Sapir, G., **Schneider, D.**, Niska, R. (2012) The Self-Incompatibility Fertilization System in Rosaceae: Agricultural and Genetic Aspects. *Acta Hort.* 967: 77-82.
- Schneider, D.**, Stern, R.A., Love, C. and Noy, M. (2015) Factors Affecting 'Omer' and 'Maya' Mango Production in Israeli Orchards. *Acta Hort.* 1075: 95-102
- Schneider, D.**, Anntman, S. and Stern, R.A. (2015) Reducing Labor Costs of Hand Thinning for 'Akko 1' Using an Organosilicone Surfactant. *Acta Hort.* Submitted

### **ARTICLES IN NON-REVIEWED JOURNALS**

- Schneider, D.**, Goldway, M., Matityahu, A., Yehuda, H., Eisikowitch, D. and Stern, R.A. (2000) The importance of genetic compatibility in the determination of the pollenizer for the 'Topred' apple strain and its influence on fertility. *Alon Hanotea.* 54:144-145 (Hebrew)
- Schneider, D.**, Eisikowitch, D., Goldway, M. and Stern, R.A. (2001) The agricultural significance of the low self-fertilization of Golden Delicious apple. *Alon Hanotea.* 55:415-416 (Hebrew)
- Sapir, G., Stern, R.A., **Schneider, D.**, Zisovich, A., Matityahu, A., Goldway, M., Greenblat-Evron, Y. and Antman, S. (2002) Using molecular technique to characterize genetic compatibility between deferent Japanese plum cultivars. *Alon Hanotea.* 56: 312-313 (Hebrew).
- Sapir, G., Stern, R.A., **Schneider, D.**, Zisovich, A., Matityahu, A., Goldway, M., Greenblat-Evron, Y. and Antman, S. (2002) Low activity of honeybees in 'Red Beaut' Japanese plum causes poor fertility. *Alon Hanotea.* 56: 314-315 (Hebrew).
- Schneider, D.**, Eisikowitch, D., Goldway, M. and Stern, R.A. (2002) The relationship between floral structure and honeybee pollination efficiency in Jonathan and Topred apple cultivars. *Alon Hanotea.* 56: 370-371 (Hebrew).
- Stern, R.A., Goldway, M., **Schneider, D.**, Roshansky, E. and Ratner, Y. (2004) Pollination and fertilization in 'Granny Smith' apple. *Alon Hanotea.* 58:365 (Hebrew).
- Schneider, D.**, Moshe, A., Asor, Z., Lukianov, V. Adato, I. and Rotman, N. (2009) Cross pollination in the easy peeling 'Orr 1' mandarin: gain and loss. *Alon Hanotea.* 63: 44-46 (Hebrew).
- Schneider, D.**, Zamiri, M., Moshe, A., Stern, R.A. and Birger, R. (2009) Growth control of 'Picholine' and 'Koroneiki' olive trees in high-density olive orchard. *Alon Hanotea* 63: 1029-1032 (Hebrew).

- Schneider, D.**, Stern, R., Moshe, A., Shemi, N., Niska, R., Goldway, M., Mainheart, G., Noy, M. And Antman, S. (2010) Loquat: Does cross pollination is needed to improve fruit size? *Alon Hanotea* 64: 39-41 (Hebrew).
- Schneider, D.**, Stern, R., Levi, S., Getz, Y., Noy, M., Antman, S., Karniel, Y. and Graf, D. (2010) Potassium nitrate reduces 'purple spot' in loquat. *Alon Hanotea* 64: 44-47 (Hebrew).
- Schneider, D.**, Hason, R., Moshe, A., Banai, D., Lerner, N., Gal, I., Agiv, M., Stern, R.A., Noy, M., Lahav, C., Banai, Y. and Noked, M. (2012) Does flowering timing determine mango fertility and its production? *Alon Hanotea* 66: 28-31 (Hebrew).
- Cohen, H., Rom, D., Cohen, H. **Schneider, D.** and Ben-ya'akov, A. (2013) Comparison between avocado vegetative rootstocks: preliminary results. *Alon Hanotea*. 67 Feb.:17-19 (Hebrew)
- Schneider, D.**, Ish-am, G., Lahav, E., Regev, I., Rom, D., Yehieli, N., Cohen, H., Idelman, E., Hatan, H., Noy, M., Pasis, E., Feigenberg, O., Goren, M., Zviran, T. and Irichimovitch, V. (2013) Avocado breeding. *Alon Hanotea*. 67 Apr.:20-24 (Hebrew)
- Schneider, D.**, Nyska, R., Raz, A., Shafir, S., Baras, Z. and Goldway, M. (2015). A mutation enables self-fertilization in Israeli loquat cultivars. *Alon Hanotea*. 70:39-41 (Hebrew)
- Schneider, D.**, Shtahl, P., Lev, Y., Stern, R.A., Goldway, M., Cohen, H., Weismark, Y., Shohat, C., Korem, S., Berkowitch, D., Irihomovitch, V. and Sherman, A. (2015) The effectiveness of 'Ettinger' and 'Iriet' as 'Hass' pollenizers. *Alon Hanotea*. Submitted (Hebrew)

## **ABSTRACTS**

- Naor, A., **Schneider, D.**, Ben-Gal, A., Zipori, I., Dag, A., Kerem, Z., Birger, R., Peres M. and Gal Y. (2010) The effects of crop load and irrigation rate in the oil accumulation stage on oil yield and water relations of field-grown 'Koroneiki' olives. ASHS Annual Conference on Palm Desert, California. *HortScience* 45: S152.