Curriculum Vitae **OR ETTI** **August 2009**

I. University Education and Additional Training

1979 - 1981 B.Sc. in Horticulture at the Faculty of Agriculture, Hebrew University.

1981 - 1983 M.Sc. in Horticulture at the Faculty of Agriculture, Hebrew University. Title of thesis: The development and control of husk scald of pomegranate fruit during storage. Supervision: Prof. Ruth Ben-Arie.

1986 - 1991 Ph.D. in Virology at the Faculty of Life Sciences, Tel-Aviv University. Title of thesis: Genetic analysis of the bacteriophage P1 lytic replicon. Supervision: Prof. Gerald Cohen.

1991 - 1994 Postdoctoral position at the Department of Plant Sciences at the University of Arizona with Prof. Brian Larkins. Research subject: Studies of the molecular mechanisms involved in maize endosperm development.

II. Positions Held and Academic Status

1994 – 2002 Research scientist at ARO, The Volcani Center, Institute Horticulture.

2002- To date Senior scientist (grade B) at ARO, The Volcani Center, Institute Horticulture.

2002 – To date Lecturer at the Hebrew University. Course subject: Developmental biology and growing of grapevine.

2003- 2007 Department head, Dept. of fruit tree sciences, Institute of Horticulture, ARO.

III. List of relevant and recent publications

Perl, A., Gollop, R., Lipsky, A., Holland, D., Sahar, N., Or, E. and Elyasi, R. (1996). Regeneration and transformation of grape. Plant Tiss. Cult. Biotechnol. 2:187-193.

Or, E., Nir, G., Vilozny, I., Ogrodov, A., Nir, G., Stromza, A. and Sarig, P. (1999). Uncoupling of pruning and hydrogen cyanamide application in 'Perlette' vineyard at the Jordan valley. Alon Hanotea 53:142-146.

Or, E., Nir, G. and Vilozny, I. (1999). Timing of hydrogen cyanamide application to grapevine buds. Vitis 38: 1-6.

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Or, E., Belausov, E., Popilevsky, I. and Ben Tal, Y. (2000). Changes in endogenous ABA level in relation to the dormancy cycle in grapevine grown in hot climate. J. of Horticultural Science and Biotechnology 75: 190-194.

Or, E., Baybik, J., Lavee, S., Sadka, A. and Ogrodovitch, A. (2000). Isolation and characterization of two cDNA encoding alcohol dehydrogenase from grape (Vitis vinifera cv. Perlette) developing fruits. Plant Physiol. 122: 619.

Or, E., Baybik, J., Sadka, A. and Ogrodovitch, A. (2000). Fermentative metabolism in grape berries: Isolation and characterization of pyruvate decarboxylase cDNA and analysis of its expression throughout berry development. Plant Sci. 156: 151-158.

Or, E., Sarig, P., Stromza, A., Ogrodovitch, A. and Vilozny, I. (2000). Bud break in vitis vinifera: 'Perlette' buds wash with water shortly after cyanamide application is not accompanied by decreased efficiency of the treatment and lead to improvement of bud break. Alon Hanotea, 54: 172-176.

Or, E., Vilozny, I. Eyal, Y. and Ogrodovitch, A. (2000) The transduction of the signal for grape bud dormancy breaking, induced by hydrogen cyanamide, may involve the SNF-like protein kinase GDBrPK. Plant Molecular Biology.43: 483-489.

Or, E., Baybik, J., Sadka, A. and Sacks, Y. (2000). Isolation of mitochondrial malate dehydrogenase and phosphoenolpyruvate carboxylase cDNA clones from grape berries and analysis of their expression patterns throughout berry development. J. of Plant Physiol. 157: 527-534.

Sadka, A., Dahan, E., Or, E. and Cohen, L. (2000). NADP+ isocitrate dehydrogenase gene expression and isozyme activity during citrus fruit development. Plant Sci. 158: 173-181.

Ben Tal, Y., Belausov, E. and Or, E. (2000).Under what circumstances can gibberellins substitute the environmental flowering induction. In:Proceedings of the 27th Annual Meeting of the Plant Growth Regulation Society of America

Or, E., Vilozny, I. and Ogrodovitch, A. (2000). The influence of the temperature on bud break and growth rates in 'Perlette' grapevine. Alon Hanotea, 54: 408-410.

Sadka, A., Dahan, E., Or, E. and Cohen, L. (2001). Comparative analysis of mitochondrial citrate synthase gene structure, transcript level and enzymatic activity in acidless and acid-containing Citrus verities. Austral. J. of Plant Physiol. 25: 383-390.

Or, E., Vilozny, I., Fennell, A., Eyal, Y. and Ogrodovitch, A. (2001). Dormancy in grape buds: isolation and characterization of catalase cDNA and analysis of its expression following chemical induction of bud dormancy release. Plant Sci.162:121-130

Dala, G., Or, E., Ovadia, R., Nissim-Levi , A., Weiss D., Oren-Shamir, M. (2003). Changes in antocyanin concentration and composition in 'Jaguar' rose flowers due to transient high temperature conditions.Plant Sci. 164: 333-340.

Sharon-Asa, L., Shalit, M., Frydman, A., Bar, E., Holland, D., Or, E., Lavi, U., Lewinson, E., Eyal, Y. (2003).Citrus fruit flavor and aroma biosynthesis: isolation, functional characterization and developmental regulation of Csps1, a key gene in the production of the sesquiterpene aroma compound Valencen. The Plant J. 36 (5):664-74.

Keren, A., Halaly, T., Pang, X.., Perl, A., Or., E., Kaplunov, T., Zutachi, Y., and Lichter, A. (2006). Characterization of the response of cv. 'Black Finger' as a sensitive system for application of gibberellin. *Alon Hanotea*. 60, 19-23.

Hanania, U., Velcheva, M., Or, E., Flaishman, M., Sahar, N., and Perl, A. (2007) Silencing of chaperonin 21, that was differentially expressed in inflorescence of seedless and seeded grapes, promoted seed abortion in tobacco and tomato fruits. *Transegnic research*, 16: 515-25.

Keilin, T., Pang, X., Venkateswari, J., Halaly, T., Crane, O., Keren,A., Ogrodovitch, A., Ophir, R., Volpin, H., Galbraith, D., Or, E. (2007). Digital expression profiling of a grape-bud EST collection leads to new insight into molecular events during grape-bud dormancy release. *Plant Science* 173:446-557.

Pang, X., Halaly, T., Crane, O., Keilin, T., Keren, A., Ogrodovitch, A., Galbraith, D., Or, E. (2007). Involvement of calcium signaling in dormancy release of grape buds. *J. Exp. Bot.* 58:3249-3262.

Halaly, T., Pang, X., Batikoff, T., Keilin, T., Crane, O., Keren, A., Venkateswari, J., Ogrodovitch, A., Or, E. (2008). Similar mechanisms are triggered by alternative external stimuli that induce dormancy release: comparative study of the effects of hydrogen cyanamide and heat shock on dormancy release in grape buds. *Planta* 228:79-88.

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affects proliferation and differentiation of *Nicotiana benthamiana. Plant Sci. 176:566-574*

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Mathiason, K., He, D., Grimplet, J., Venkateswari, J., Galbraith, D. Or, E., Fennell A (2008). Transcript profiling in *Vitis riparia* during chilling requirement fulfillment reveals coordination of gene expression patterns with optimized bud break. *Funct. Integr. Genomics* 9:81-96.

Ophir, R., Pang, X., Halaly, T., Venkateswari, J., Lavee, S., Galbraith, D., Or, E. (2009). Gene-expression profiling of grape bud response to two alternative dormancy-release stimuli expose possible links between impaired mitochondrial activity, hypoxia, ethylene-ABA interplay and cell enlargement. *Plant Molecular Biology* DOI 10.1007/s11103-009-9531-9

Perez, F., Vergara, R., Or, E. (2009). On the mechanism of dormancy release in grapevine buds: a comparative study between hydrogen cyanamide and sodium azide. *Plant Growth Regulators* DOI 10.1007/s10725-009-9397-5.

Or, E. (2009). Grape bud dormancy release -- the molecular aspect. In: *Grapevine Molecular Physiology & Biotechnology*, 2nd edn., K.A. Roubelakis-Angelakis (ed.), DOI 10.1007/978-90-481-2305-6_15, ©Springer Science+Business Media B.V.