Navot Galpaz **March 2021**

Part I: CURRICULUM VITAE

I. Personal

1973	Born in Hadera, Israel
1988 -1991	High-school education in Kibbutz Maagan-Michael
1992 -1995	Military service

II. University Education and Additional Training

1999 – 2001	B.Sc. in Biology at the Hebrew University of Jerusalem.
2001 – 2003	M.Sc. in Genetics at the Department of Genetics, The Hebrew University of Jerusalem. Title of thesis: Generation of a saturated tomato color mutant collection and cloning of the tomato color mutants white-flower and high-pigment 3, to study the genetic regulation of carotenoid biosynthesis in plants. Supervision by: Prof. Joseph Hirschberg
2003 – 2008	Ph.D. in Genetics at the Department of Genetics, The Hebrew University of Jerusalem. Title of thesis: Generation of a saturated tomato color mutant collection and cloning of the tomato color mutants white-flower and high-pigment 3, to study the genetic regulation of carotenoid biosynthesis in plants. Supervision by: Prof. Joseph Hirschberg
2008 – 2010	Postdoctoral position at the Department of Plant Breeding and Genetics, Max Planck Institute for Plant Breeding Research, Cologne, Germany. with Dr. Matthieu Reymond Title of research program: Using quantitative genetics and natural variation in Arabidopsis thaliana to study salt tolerance in plants.
2012-2013	Postdoctoral position at the institute of Plant Sciences, Newe Ya'ar Research Center, Agricultural Research Organization, Israel.

with Dr. Nurit Katzir

Title of research program: Studying the genetic, molecular and physiological basis of fruit development and fruit quality traits in melon.

III. Positions Held and Academic Status

2011-2012 Head of projects at NRGENE technologies. Job description: management of projects in which genomic and bioinformatic approaches are used for the development of DNA markers for rice *a*nd tomato breeding.

2014-present Banana and mango researcher at the Northern R & D.

LIST OF PUBLICATIONS

Articles in reviewed journals

Cohen, S., Hadad, D., Lukyanov, V., Achiman, O., Tanny, J., **Galpaz, N**., Israeli, Y., Londener, A., & Elingold, I. (2020). Exploiting dynamic changes in internal screenhouse climate to inform irrigation in bananas. Acta Horticulturae, 1268, 225–231.

Maymon M, Sela N, Shpatz U, **Galpaz N**, Freeman S. The origin and current situation of Fusarium oxysporum f. sp. cubense tropical race 4 in Israel and the Middle East. Scientific Reports. 2020;10(1).

Zait Y, Elingold I, Londener A, Gal E, **Galpaz N**. Banana frost protection by thermal nets. van den Bergh I, Gübbük H, Lehrer K, eds. Acta Horticulturae. 2020;(1272):21-26.

M. Maymon, U. Shpatz, Y. M. Harel, E. Levy, G. Elkind, E. Teverovsky, R. Gofman, A. Haberman, R. Zemorski, N. Ezra, Y. Levi, G. Or, **N. Galpaz**, Y. Israeli, and S. Freeman (2018): First Report of Fusarium oxysporum f. sp. cubense Tropical Race 4 Causing Fusarium Wilt of Cavendish Bananas in Israel. Plant Disease 2018 102:12, 2655.

Galpaz, N., Gonda, I., Shem-Tov, D., Barad, O., Tzuri, G., Lev, S., Fei ZhangJun, Xu YiMin, Mao LinYong, Jiao Chen, Harel-Beja, R., Doron-Faigenboim, A., Tzfadia, O., Bar, E., Meir, A., Sa'ar, U., Fait, A., Halperin, E., Kenigswald, M., … Tadmor, Y. (et al). (2018). Deciphering genetic factors that determine melon fruit-quality traits using RNA-Seq-based high-resolution QTL and eQTL mapping. Plant Journal, 94(1), 169–191.

Portnoy V, Gonda I, **Galpaz N**, et al. Next-generation sequencing-based QTL mapping for unravelling causative genes associated with melon fruit quality traits. Acta Horticulturae. 2017;(1151):9-16.

Freilich S, Lev S, Gonda I, Reuveni E, Portnoy V, Oren E, Lohse M, **Galpaz N**, Bar E, Tzuri G, Wissotsky G, Meir A, Burger J, Tadmor Y, Schaffer A, Fei Z, Giovannoni J, Lewinsohn E, Katzir N. (2015) Systems approach for exploring the intricate associations between sweetness, color and aroma in melon fruits. BMC Plant Biology 15:71. IF: 3.631.

2.a Neuman H, **Galpaz N**, Zamir D and Hirschberg J. (2014). Map-based cloning of NEOXANTHIN-DEFFICIENT 1 (NXD1) in tomato sheds new light on neoxanthin synthesis. Plant J. 78:80-93. IF: 5.468.

3.a Galpaz N, Burger Y, Lavee T, Meir A, Tzuri G, Portnoy V, Bar E, Shimoni-Shor E, Saar Y, Saar U, Baumkoler F, Lewinsohn E, Schaffer A, Katzir N and TadmorY. (2013). Transcriptional up regulation of the carotenoid pathway revealed in fruits of the melon YOF mutant. Arch Biochem Biophys. 539: 117-25. IF: 3.01.

4.a Galpaz N & Reymond M. (2010). Natural variation in Arabidopsis thaliana revealed a genetic network controlling germination under salt stress.
Plos One, e15198. doi:10.1371 .IF: 3.23.

5.a Galpaz, N., Wang Q., Menda N., Zamir D., Hirschberg J. (2008). Abscisic acid deficiency in the tomato mutant high-pigment 3 (hp3) leading to increased plastid number and higher fruit lycopene. Plant J. 53: 717-30. IF: 5.468.

6.a Galpaz, N., Ronen G., Khalfa Z., Zamir D., Hirschberg J. (2006).
A chromoplast-specific carotenoid biosynthesis pathway is revealed by cloning of the tomato white-flower locus. Plant Cell. 18: 1947-60. IF: 10.529.

Articles in non-reviewed journals

גלפז נ, אלינגולד ע, צרפתי א, הדר ג, לונדנר א, רימר ע (2020). פחות זה יותר? בחינה רב שנתית של ביצועי זני בננה נמוכים בעמק הירדן. עלון הנוטע. 5: 32-28.

גלפז נ, גל א, אלינגולד ע, ברונטמן ש, זית י (2018): בחינה ראשונית של רשתות תרמיות להגנת בננות מנזקי קרה. עלון הנוטע. 4: 40-35.

גלפז נ, פרימן ס, לוי י (2017): התמודדות עם מחלת פנמה בבננות: תובנות מסיור מקצועי באוסטרליה. עלון הנוטע. 5: 22-18.