

# CURRICULUM VITAE

## LASZLO G. KOVACS

Professor, Missouri State University, Department of Biology

### Education:

Institution	Degree	Year	Field of Study
University of Agricultural Sciences	B.S.	1981-1986	Agricultural Sciences
University of Missouri-Columbia	Ph.D.	1988-1992	Plant Pathology
University of Missouri-Columbia	Post-doc.	1993 -1995	Div. of Plant Sciences
University of Chicago	Post-doc.	1995-1997	Department of Medicine

### Professional Experience:

1988 -1992	Graduate Research Assistant, Univ. of Missouri, Department of Plant Pathology
1993 -1995	Post-Doctoral Research Associate, Univ. of Missouri, Dept. of Plant Pathology
1995 -1997	Post-Doctoral Research Associate, University of Chicago, Dept. of Medicine
1997- 2002	Asst. Research Professor, Southwest Missouri State Univ., Dept. of Fruit Science
2002 -2007	Associate Research Professor, Missouri State University, Dept. of Agriculture
2007 – Pres.	Professor, Missouri State University, Departments of Agriculture and Biology

### Honors and Awards

2004	Outstanding Thesis Advisor Award, Missouri State University, Graduate College
2009	Adjunct Professor Status, University of Missouri-Columbia
2012	Excellence in Teaching, Student Award, College of Natural and Applied Sciences, Missouri State University

### Professional Societies

American Society of Plant Biologist  
Interdisciplinary Plant Group, University of Missouri-Columbia

### Research Support

Miller, A., D. Chitwood, A. Fennel, M. Kwasniewski, J. Londo, and **L.G. Kovacs**. Adapting perennial crops for climate change: Graft transmissible effects of rootstocks on grapevine shoots NSF- Pant genome Research Project 2016 - 2021

**Kovacs, L.G.** An assay system to assess phytotoxicity of engineered nanoparticles (in collaboration with Jordan Valley Innovation Center) US Army Engineer Research Development Center. October 1, 2015 – Present

### Peer-Reviewed Publications

Beach, S., M. Kovacs, L. Hubert, S. Honesty, Q Guo, D. Pap, R. Dai, **L.G. Kovacs**, and W. Qiu. (2017). Genetic and phenotypic characterization of *Grapevine vein clearing virus* from wild *Vitis rupestris*. *Phytopathology* 107:138-144.

Toth, Z., P. Winterhagen, B. Kalapos, Y. Su, **L.G. Kovacs**, and E. Kiss. (2016). Expression of a grapevine NAC transcription factor is induced in response to powdery mildew colonization in a salicylic acid-independent manner. *Scientific Reports* 6:30825

Pap, D, A. Miller, J. Londo, and L.G. Kovacs. (2015) Population structure of *Vitis rupestris*, an important resource for viticulture. *American Journal of Enology and Viticulture* (in press).

- Toth, Z., E. Kiss and **L.G. Kovacs** (2014). The *ANAC042* transcription factor gene is responsive to powdery mildew infection in *Arabidopsis thaliana*. *Hungarian Agricultural Research* 2:22-26.
- Katula-Debreceni, D., A. Szoke, A.K. Lencsés, E. Kiss, P. Kozma, S. Hoffmann, A. and Veres, **L.G. Kovacs** (2014). Screening grape hybrid families with molecular markers linked to resistance genes. *Acta Horticulturae* 1046:157-163.
- Cucurachi, M., M. Busconi, C. Fogher, B. Hubbard, D.A. Sinclair, **L.G. Kovacs**, R. Oláh, P. Winterhagen, A. Perl, and L. Bavaresco (2014). Preliminary observations on the role of sirtuin genes in grapevine (*Vitis vinifera* L.) physiology. *Acta Horticulturae* 1046:363-369.
- Li, C., A. Erwin, D. Pap, C. Coleman, A.D. Higgins, E. Kiss, P. Kozma, D.W. Ramming and **L.G. Kovacs** (2013). Selection for *Run1-Ren1* Dihybrid Grapevines Using Microsatellite Markers. *American Journal of Enology Viticulture* 64:152-155.
- Di Gaspero, G., D. Copetti, C. Coleman, S.D. Castellarin, R. Eibach, P. Kozma, T. Lacombe, G. Gambetta, A. Zvyagin, P. Cindrić, **L.G. Kovacs**, M. Morgante, and R. Testolin. (2012). Selective Sweep at the *Rpv3* locus during grapevine breeding for downy mildew resistance. *Theoretical and Applied Genetics* 124: 277-286.
- Ali, M.B. S. Howard, S. Chen, Y. Wang, O. Yu, **L.G. Kovacs**, and Wenping Qiu. (2011) Berry skin development on Norton grape: Distinct patterns of transcriptional regulation and flavonoid biosynthesis. *BMC Plant Biology*, **11**:7
- Katula-Debreceni, D., A.K. Lencses, A. Szoke, A. Veres, S. Hoffmann, P. Kozma, **L.G. Kovacs**, L. Heszky, and E. Kiss. (2010). Marker-assisted selection for two dominant powdery mildew-resistance genes introgressed into a hybrid grape population. *Scientia Horticulturae* 126:448-453.
- Marsh, E., S. Alvarez, S., L.M. Hicks, W. B. Barbazuk, W. Qiu, **L.G. Kovacs**, and Daniel Schachtman. (2010). Changes in protein abundance during powdery mildew infection of leaf tissues of Cabernet Sauvignon grapevine (*Vitis vinifera* L.). *Proteomics* 10:2057-2064.
- Coleman, C., D. Copetti, G., Cipriani, S. Hoffmann, P. Kozma, **L.G. Kovács**, M. Michele Morgante, R. Testolin, and G. Di Gaspero. (2009). The powdery mildew resistance gene *REN1* in two Central Asian grapevines co-segregates with an NBS-LRR gene cluster in two Central Asian Grapes *BMC Genetics* 10:89.
- Fekete, C., R.W. Fung, Z. Szabo, W. Qiu, L. Chang, D.P. Schachtman, and **L.G. Kovacs**. (2009). Up-regulated transcripts in a compatible powdery mildew-grapevine interaction. *Plant Physiology and Biochemistry*, 47:732-738.
- Zhang, J., H. Ma, S. Chen, S., M. Ji, A. Perl, **L.G. Kovacs**, and S. Chen. (2009). Stress response proteins' differential expression in embryogenic and non-embryogenic callus of *Vitis vinifera* L. cv. Cabernet Sauvignon – a proteomic approach. *Plant Science* 177:103-113.
- Galbacs, Z., S. Molnar, G. Halasz, S. Hoffmann, E. Kiss, P. Kozma, **L.G. Kovacs**, A. Veres, Z. Galli, A Szoke, and L. Heszky. (2009). Identification of grapevine cultivars using DNA barcodes. *Vitis* 48:17-24.
- Olah, R., A. Zok, A. Pedryc, S. Howard and **L.G. Kovacs**. (2009). Somatic embryogenesis in a broad spectrum of grapevine genotypes. *Scientia Horticulturae*, 120: 134–137.
- Winterhagen, P., W. Qiu, S. Howard, and **L.G. Kovács**. (2008). Transcriptional up-regulation of grapevine MLO genes in response to powdery mildew infection. *American Journal of Enology and Viticulture* 59:159-168.