



UNIVERSITY OF MASSACHUSETTS
AMHERST

Stockbridge School of Agriculture
416 Paige Lab
161 Holdsworth Way
University of Massachusetts
Amherst, Mass 01003

Office Address:

Stockbridge School of Agriculture
416 Paige Lab
University of Massachusetts
Amherst, Mass. 01003
(413) 545-1178 – office
(508) 254-3331 - cell
fmangan@umass.edu

Home address:

493 W. Pelham Rd.
Shutesbury, Mass. 01002
(413) 253-8193

EDUCATION

1998 **Ph.D. University of Massachusetts, Amherst.** Dept. Plant and Soil Sciences.

EXPERIENCE

2016 - present **Extension Professor.** Stockbridge School of Agriculture. University of Massachusetts.

2004 - 2016 **Extension Associate Professor.** Stockbridge School of Agriculture. University of Massachusetts.

1998 - 2004 **Extension Assistant Professor.** Dept. of Plant, Soil & Insect Sciences. University of Mass.

2015 – present **Director of the Stockbridge School of Agriculture Learning Center**

Professional Expertise

Sustainable vegetable production; Production and marketing of ethnic crops. Soil fertility and alternative nutrient sources; Food systems

Teaching

StockSch 325. Sustainable Vegetable Production. 4-credit junior-year course

StockSch 397. Food Systems in Cuba: Production, Logistics and Marketing 3-credit junior-year course taught in Cuba

Current and past membership of professional organizations

InterAmerican Society for Tropical Horticulture (Officer)
American Society of Horticultural Sciences
Cuba-US Agroecology Network
New England Vegetable & Berry Growers

Language skills
Spanish: fluent; Portuguese: professional

Selected Publications

Sciarappa, W.J., J. Simon, R. Govindasamy, K. Kelley, **F. Mangan**, S. Zhang, S. Arumugam, P. Nitzsche, R. Van Vranken, S. Komar, A. Ayeni, G. McAvoy, C. Park, W. Reichert, D. Byrnes, Q. Wu and B. Shilling. 2016. Asian Crops Overview: Consumer Preference and Cultivar Growth on the East Coast of the United States. HortSci. vol. 51 no. 11 1344-1350.

Silva, E.O., M.S Rocha Bastos, N.J. Wurlitzer, Z.J. Barros and **F. Mangan**. 2012. Minimal Processing. Chapter in Advances in Fruit Processing Technologies, Rodrigues, S. and F. A. Narciso Fernandes. Editors. CRC Press. 454 pp.

Mangan, F., Barros, Z., Fernandes, C., Moreira, M., Finger, F. and Almeida, G. 2012. Developing sustainable production practices for new tropical vegetables for the Northeastern United States. Acta Hort. (ISHS) 936:53-60
http://www.actahort.org/books/936/936_5.htm

Howell, J, R. Hazzard, R. Bonanno, J. Bouche, **F. Mangan**, M. Hutton, G. Hamilton, V. Grubinger, B. Sideman, R. Wick. 2011. New England Vegetable Management Guide. Published by New England Land-grant Systems. 350 pages.

Mangan, F., Z. Barros, R. Orellana, M. Alvarado and F. Camarillo. 2013. Opportunities for Farmers in Mexico to Access Markets in the Northeastern United States. Proceedings of the XIV National Conference of Agricultural Sciences. April 25, 2013. 3 pp.

Mangan, F., Barros, Z., Fernandes, C., Moreira, M., Finger, F. and Almeida, G. 2012. Developing Sustainable Production Practices for New Tropical Vegetables for the Northeastern United States. Acta Hort. (ISHS) 936:53-60
http://www.actahort.org/books/936/936_5.htm

Govindasamy, R. R. Van Vranken, W. Sciarapa, A. Aveni, V. Puduri, K. Pappas, J. Simon, **F. Mangan**, M. Lamberts, G. McAvoy. 2011. Ethnic Crop Opportunities for Growers on the East Coast: A Demand Assessment. Journal of Extension.
<http://www.joe.org/joe/2010december/rb2.php>

Govindasamy, R., R. VanVranken, W. Sciarappa, A. Ayeni, V.S. Puduri, K. Pappas, J.E. Simon, **F. Mangan**, M. Lamberts, and G. McAvoy. 2010. Consumers' Shopping Patterns and Expenditures on Ethnic Produce: Case Study from the Eastern Coastal U.S.A. Journal of ASFMRA. Vol. 73, No. 1, Pg 36-49.

Worldcrops.org

I co-founded and maintain a website, worldcrops.org, that has research-based information on vegetable and herb crops popular among the large and growing immigrant populations in the Northern United States. There is information on over 50 crops in this website. An example is:

Mangan, F. and Z. Barros. 2016. Sustainable production and marketing strategies for ají dulce (*Capiscum chinense*). www.worldcrops.org - <http://worldcrops.org/crops/aji-dulce>