

## APARNA GAZULA



### BACKGROUND:

I am from Visakhapatnam, India. I did my Bachelor's in Agricultural Sciences from A.N.G.R. Agricultural University. Vegetable crop physiology and factors affecting crop quality parameters are some of my research interests. Currently, I am working on my Master's degree, where we are determining the effects of pre-harvest abiotic factors, like temperature and light, and biotic factors, like genotype, on anthocyanin levels in red-leaf lettuce cultivars. We are also looking at the correlations between different instrumented and visual methods of estimating color as related to anthocyanin levels in red-leaf lettuce cultivars.

### SELECTED PUBLICATIONS:

- Kleinhenz, M. D., D.G. French, A. Gazula, and J. C. Scheerens. 2003. Variety, shading and growth stage effect on pigment concentrations in lettuce grown under contrasting temperature regimens. HortTechnology: 13(4) 2003.
- Kleinhenz, M.D., A. Sanchez-Vela, A. Gazula, J.C. Scheerens, and N. Honeck. Horticulture and Crop Science Series No. 730, January 2003. Sensory quality of multiple potato genotypes following three methods of preparation.
- Kleinhenz, M., B. Schult, and A. Gazula. 2001. Horticulture and Crop Science Series No. 714, December 2001. Information on the effects of genotype and growing location on se- and sh<sub>2</sub>- type sweet corn yield and ear and kernel traits in Ohio in 2001.

### PRESENTATIONS:

- Oral presentation at the Tri-State Vegetable Meeting March 5-6 2001, Angola, Indiana, on Effects of Variety, Temperature, and Shade on anthocyanin levels in lettuce (*Lactuca sativa*).
- Poster presentation at the 2003 OARDC Annual Conference titled "Variety and shading effects on pigment levels in lettuce grown under contrasting temperature regimens".
- Oral presentation at the 100<sup>th</sup> Annual ASHS Conference in Providence, Rhode Island, 2003, titled "Variety and Shading Effects on Pigment Levels in Lettuce (*Lactuca sativa*) Grown under Contrasting Temperature Regimens".
- Oral presentation at the 101 Annual ASHS Conference in Austin, Texas 2004, titled "Temperature and genotype affect anthocyanin concentrations in lettuce (*Lactuca sativa*).
- Oral presentation at the 101 Annual ASHS Conference in Austin, Texas 2004, titled "Variety and planting date effects on anthocyanin concentrations in field-grown lettuce (*Lactuca sativa*)."
- Oral presentation at the 17th International Lettuce and Leafy Vegetable Conference, Montreal, Canada, 2004 titled "Air temperature effects on anthocyanin levels in three related Lollo Rossa-type lettuce varieties."

- Oral presentation at the 17th International Lettuce and Leafy Vegetable Conference, Montreal, Canada, 2004 titled “Managing abiotic and genetic factors to increase the potential health and market value of leafy vegetables: Studies of anthocyanin levels, consumer response, and instrumented color evaluation in lettuce.”