

## SPAR - Referred Journal Publications

### Publications:

#### Summary:

**Total Published:** 210 (plus 280 abstracts)

Refereed Journals:	104
Books Edited:	1
Book Chapters:	27
Non-refereed:	30
Popular Press:	7
Technical Reports:	36
Web Articles	3
Web-based Bulletins	2

**Total Presentations:** 288

Invited Lectures and Seminars:	77
At Professional and Other Meetings:	211

### Refereed Journals:

- Krishnan, P., B. Ramakrishnan, K.R. Reddy and V.R. Reddy. 2010. High temperature effects on rice growth, yield, and grain quality. **Advances in Agronomy** (Invited, Submitted).
- Reddy, K.R. and S.K. Matcha. 2010. Remote sensing algorithms for castor bean nitrogen and pigment assessment for fertility management. **Industrial Crops and Products** (In Press).
- Singh, S.K. and K.R. Reddy. 2010. Identifying cowpea (*Vigna unguiculata* [L.] Walp.) genotypes for drought stress tolerance based on photosynthesis and fluorescence measurements. **Journal of Agronomy and Crop Science** (Revision Submitted).
- Zhao, D., K.R. Reddy, and V.G. Kakani. 2010. Cotton nitrogen uptake and nitrogen use efficiency as affected by nitrogen fertilizer rate and their relationship with canopy spectral features. **Acta Agriculturae Scandinavica - Section B - Plant Soil Science** (In Press).
- Kakani, V. G. and K.R. Reddy. 2010. Hyperspectral reflectance properties, growth, leaf photosynthesis and electron transport of nitrogen deficient big bluestem (*Andropogon gerardii*). **Journal of Agronomy and Crop Science** (In Press).

- Singh, S.K., V.G. Kakani, G.K. Surabhi, and K.R. Reddy. 2010. Screening cowpea (*Vigna unguiculata* [L.] Walp.) genotypes to multiple abiotic stresses. **Journal of Photochemistry and Photobiology B: Biology** 100: 135-146.
- Reddy, K.R. and S.K. Matcha. 2010. Quantifying nitrogen effects on castor (*Ricinus communis* L.) development, growth, and photosynthesis. **Industrial Crops and Products**. 31: 185-191.
- Fleisher, D.H., D.J. Timlin, Y. Yang, V.R. Reddy, and K.R. Reddy. 2009. Uniformity of soil-plant-atmosphere-research chambers. **Transactions of ASABE** 52: 1-10.
- Surabhi, G.K., K.R. Reddy and S.K. Singh. 2009. Photosynthesis, fluorescence, shoot biomass and seed weight responses of three cowpea (*Vigna unguiculata* [L.] Walp.) cultivars with contrasting sensitivity to UV-B radiation. **Environmental and Experimental Botany** 66: 160-171.
- Kakani, V. G., K.J. Boote, K.R. Reddy and D.J. Lang. 2008. Response of bahiagrass carbon assimilation and photosystem to below-optimum temperatures. **Functional Plant Biology** 35: 1243-1254.
- Singh, S.K., G. Surabhi, W. Gao and K.R. Reddy. 2008. Assessing genotypic variability of cowpea (*Vigna unguiculata* [L.] Walp.) to current and projected ultraviolet-B radiation. **Journal of Photochemistry and Photobiology B: Biology** 93: 71-81.
- Kakani, V. G., G.K. Surabhi and K.R. Reddy. 2008. Photosynthesis and fluorescence responses of C<sub>4</sub> plant *Andropogon gerardii* acclimated to temperature and carbon dioxide. **Photosynthetica** 46: 420-430.
- Singh, S.K., V.G. Kakani, D. Brand, B. Baldwin and K.R. Reddy. 2008. Assessment of cold and heat-tolerance of winter-grown canola cultivars by pollen-based parameters. **Journal of Agronomy and Crop Science** 194: 225-236.
- Kakani, V. G. and K. R. Reddy. 2007. Temperature response of C<sub>4</sub> species big bluestem (*Andropogon gerardii*) is modified by growing carbon dioxide concentration. **Environmental and Experimental Botany** 61: 281-290.
- Reddy, K. R. and V. G. Kakani. 2007. Screening pepper genotypes for high temperatures by *in vitro* pollen germination and pollen tube length. **Scientia Horticulturae** 112: 130-135.
- Koti, S., K. R. Reddy, G. W. Lawrence, V. R. Reddy, V. G. Kakani, D. Zhao and W. Gao. 2007. Effect of enhanced UV-B radiation on reniform

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