

Books and Book Chapters

- Singh, R.P., P.V.V. Prasad, A.K. Sharma, K.R. Reddy. 2010. Impacts of high-temperature stress and potential opportunities for breeding. In: **Crops Adaptation to Climate Change** (Ed. Shyam Singh Yadav, Robert Redden, Jerry Hatfield, and Hermann Lotze – Campen, Wiley – Blackwell, UK (Invited and Accepted).
- Fleisher, D., D. Timlin, K. R. Reddy, V.R. Reddy, Y. Yang, S.H. Kim. 2010. Effects of carbon dioxide and temperature on crops: Lessons from SPAR growth chambers. In: **Handbook of Climate Change and Agroecosystems: Impacts, Adaptation, and Mitigation** (Ed. D. Hillel and C. Rosenzweig), Imperial College Press, London UK.
- Reddy, K.R., P.V.V. Prasad and S.K. Singh. 2010. Ultraviolet-B radiation and its interactions with climate change factors impact on agricultural crop growth and yield. In: **UV Radiation in Global Change: Measurements, Modeling and Effects on Ecosystems**. Edited by Wei Gao and Dan Schmoldt, Springer and Tsinghua University Press, China, (P.R.), pp. 395-436.
- Landivar, J.A., K.R. Reddy and H.F. Hodges. 2010. Physiological simulation of cotton growth and yield. In: **Physiology of Cotton**, edited by J.M. Stewart, D.M. Oosterhuis, J. J. Heitholt and J. R. Mauney, Springer, New York, NY, pp. 318-331.
- Reddy, K.R., V.G. Kakani and H.F. Hodges. 2008. Exploring the use of environmental productivity index concept for crop production and modeling. In: **Response of Crops to Limited Water: Understanding and Modeling of Water Stress Effects on Plant Growth Processes**, Ed. Ahuja, L.R., V. Reddy, S.A. Saseedran, and Q. Yu. ASA, CSSA, and SSSA, Madison, WI. pp. 387-410.
- Reddy, V.R., Y. Yang, K.R. Reddy, D.J. Timlin, and D.H. Fisher. 2007. Cotton modeling for climate change, on-farm decision support and policy decisions. In: **Proceedings of the International Congress on Modelling and Simulation**, Les Oxley and Don Kulasiri (Eds.), The Modelling and Simulation Society of Australia and New Zealand Inc., The Australian National University, Canberra ACT 0200, Australia. pp. 67-73.
- Singh, R.P., P.V.V. Prasad, K. Sunita, S.N. Giri and K.R. Reddy. 2007. Influence of high temperature and breeding for heat tolerance in cotton: a review. **Advances in Agronomy 93**, D. L. Spark (Ed.), Academic Press, CA. pp. 315-385.
- Reddy, K.R., P.V. Prasad and V.G. Kakani. 2005. Crop responses to elevated carbon dioxide and interactions with temperature. In: **Tuba, Z. Ecological**

Responses and Adaptations of Crops to Rising Atmospheric Carbon Dioxide. Food Products Press, Binghamton, NY, pp. 157-191.

- Zhao, D., K. R. Reddy and P. J. Starks. 2005. Assessment of N status of cotton and forage plant using remote sensing. *In:* C. J. Li et al., (Eds.), **Plant Nutrition for Food Security, Human Health and Environmental Protection**, Tsinghua University Press, Beijing, China, pp. 1104-1105.
- Read, J.J., E.L. Whaley, L. Tarpley, and K.R. Reddy. 2003. Evaluation of a hand-held radiometer for field determination of nitrogen status in cotton. In T. VanToai and L. Tarpley (ed.) **Digital Imaging and Spectral Techniques. Applications to Precision Agriculture and Crop Physiology.** Special Publication 66. ASA-CSSA-SSSA, Madison WI, USA. p. 171-189.
- Prasad, P. V. V., V. G. Kakani and K. R. Reddy. 2003. Plants and environment: Ozone depletion. *In:* **Encyclopedia of Applied Plant Sciences**, B. Thomas, D. Murphy and B. Murray (eds.), Elsevier Ltd., USA. pp. 749-756.
- Reddy, K. R., and H. F. Hodges. 2003. Modeling crop responses to plant growth regulators *In:* **Handbook of Processes and Modeling in the Soil-Plant System**" edited by D. K. Benbi and R. Nieder, Haworth's Food Products Press, New York, Chapter 21, pp. 693-706.
- Reddy, K. R. V. G. Kakani, J. M. McKinion and D. N. Baker. 2002. Applications of a cotton simulation model, GOSSYM, for crop management, economic and policy decisions. *In:* L. R. Ahuja, Liwang Ma and T. A. Howell (Eds.) **Agricultural System Models in Field Research and Technology Transfer**, CRC Press, LLC, Boca Raton, FL, USA. Pp 33-73.
- Reddy, K. R. and H. F. Hodges (Eds.). 2000. **Climate Change and Global Crop Productivity.** CAB International, UK (21 Chapters, 472 pages).
- Reddy, K. R. and H. F. Hodges (Eds.). 2000. **Climate Change and Global Crop Productivity.** CAB International, UK, Preface, XV-XVI.
- Reddy, K. R., H. F. Hodges and B. A. Kimball. 2000. Crop Ecosystem Responses to Global Climate Change: Cotton. *In:* **Climate Change and Global Crop Productivity**, Reddy, K. R. and H. F. Hodges (Eds.), CAB International, UK Chapter 8, p. 161-187.
- Reddy, K. R. and H. F. Hodges. 2000. Climate change and global crop productivity: an overview. *In:* **Climate Change and Global Crop Productivity**, Reddy, K. R. and H. F. Hodges (Eds.), CAB International, UK, Chapter 1, p. 1-5.

- Hodges, H. F. and K. R. Reddy. 1999. The dandy designs of plant plumbing. *In: Soybean Production in the Midsouth*, L. G. Heatherly and H. F. Hodges (Eds.), **CRC Press, New York**, pp. 355-369.
- Whisler, F. D., K. R. Reddy and H. F. Hodges. 1999. Use of models in soybean production. *In: Soybean Production in the Midsouth*. L. G. Heatherly and H. F. Hodges (Eds.), **CRC Press, New York**. pp. 371-382.
- Hodges, H. F., F. D. Whisler, S. M. Bridges, K. R. Reddy and J. M. McKinion. 1998. Simulation in crop management - GOSSYM/COMAX. *In: Agricultural Systems Modeling and Simulation*. R. M. Peart and R. B. Curry (Eds.), **Marcel Dekker, Inc., New York**. Chapter 8, pp. 235-282.
- Magalhaes, P. C., H. F. Hodges and K. Raja Reddy. 1997. Relacoes hidricas. *In: Curso de Biologia, Modulo 05*, Fisiologia Vegetal, Tutoria A Distannica, Renato Paiva (Eds), UFLA - Universidade Federal de Lavras, FAEPE, Lavras - MG, Brazil. pp. 17 - 28.
- Reddy, V. R., K. R. Reddy, and Z. Wang. 1997. Cotton responses to nitrogen, carbon dioxide, and temperature interactions. *In: Ando T., Fujita K., Mae T., Matsumoto H., Mori S. and Sekiya J. (Eds.). Developments in Plant and Soil Science: Plant Nutrition for Sustainable Food Production and Environment*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 78: 867_872.
- Reddy, K. R., H. F. Hodges and J. M. McKinion. 1995. Cotton crop responses to a changing environment. *In: Climate Change and Agriculture: Analysis of Potential International Impacts*. Cynthia Rosenzweig et al. (eds.) **American Society of Agronomy Special Publication no. 59**, pp. 3-30.
- Reddy, K. R., V. R., K. R. Reddy, H. F. Hodges and D. N. Baker. 1989. The effect of temperature on growth, development and photosynthesis of cotton during the fruiting period. *In: Mechanisms of plant perception and response to environmental stimuli. Monograph No. 20*, ed. Tudor H. Thomas and Aileen R. Smith, **British Plant Growth Regulation**, pp. 97-110.
- Rao, K. N. and K. R. Reddy. 1983. Threatened plants of Tirupati and its environs. *In: An assessment of threatened plants of India*. S. K. Jain and R. R. Rao (Eds.), Botanical Survey of India, Howrah, India. pp. 164-166.
- Rao, K. N. and K. R. Reddy. 1983. Extended distribution of endemic plant species on Tirupati Hills. *In: An assessment of threatened plants of India*. S. K. Jain and R. R. Rao (Eds.), Botanical Survey of India, Howrah. India. pp. 167-168.