**Peer-reviewed papers in Journals and Books:**

Aneece, I., and Thenkabail, P.S. 2018. Spaceborne Hyperspectral EO-1 Hyperion data pre-processing: Methods, approaches, and algorithms. Book Chapter in the Book entitled: “Hyperspectral Remote Sensing of Vegetation: Volume I, Hyperspectral Processes, Sensors, and Data Analysis Vol 1, 2E (K33293)”. CRC Press- Taylor and Francis group, Boca Raton, London, New York. Pp. 800? (Editors: Thenkabail, P.S., Lyon, G.J., and Huete, A.). IP-091722. **In press (expected publication December, 2018).**

Aneece, I.P., Thenkabail, P.S., Slonecker, T., and Huete, A. 2018. Accuracies of Classifying Five Leading World Crops and their Growth Phases using Optimal Earth Observing-1 Hyperion Hyperspectral Narrowbands on Google Earth Engine Cloud Computing Platform. Remote Sensing of Environment. **In review.**

Marshall, M., Aneece, I., Foley, D., Xueliang, C., and Biggs, T. 2018. Crop Water Productivity Estimation with Hyperspectral Remote Sensing. In Volume II for the Book on Hyperspectral Remote Sensing of Vegetation

Advanced Hyperspectral Applications for Crops and Plants Vol 2, 2E (K33412). In Book entitled: “Hyperspectral Remote Sensing of Vegetation: Volume I, Hyperspectral Processes, Sensors, and Data Analysis Vol 1, 2E (K33293)”. CRC Press- Taylor and Francis group, Boca Raton, London, New York. Pp. 800? (Editors: Thenkabail, P.S., Lyon, G.J., and Huete, A.). **In press (expected publication December, 2018).**

Marshall, M.T., Thenkabail, P.S., Biggs, T., and Post, K. 2016. Hyperspectral narrowband and multispectral broadband indices for remote sensing of crop evapotranspiration and its components (transpiration and soil evaporation). Agricultural and Forest Meteorology. 218-219 (2016) 122-134. IP-065032. Download A1

Thenkabail, P.S., 2015. Hyperspectral Remote Sensing for Terrestrial Applications, Chapter 9. In Thenkabail, P.S., (Editor-in-Chief), 2015. “Remote Sensing Handbook” (Volume II): Land Resources Monitoring, Modeling, and Mapping with Remote Sensing. Taylor and Francis Inc.\CRC Press, Boca Raton, London, New York. ISBN 9781482217957 - CAT# K22130. Pp. 201-236. IP-0606312. **In the book:**

<https://www.crcpress.com/Remote-Sensing-Handbook---Three-Volume-Set/Thenkabail/p/book/9781482218015>

Marshall M. T., and Thenkabail P. 2015. Developing in situ Non-Destructive Estimates of Crop Biomass to Address Issues of Scale in Remote Sensing. Remote Sensing. 2015; 7(1):808-835. doi:10.3390/rs70100808. IP-060652. Download A2.

Marshall, M.T., and Thenkabail, P.S. 2015. Advantage of hyperspectral EO-1 Hyperion over multispectral IKONOS, GeoEye-1, WorldView-2, Landsat ETM+, and MODIS vegetation indices in crop biomass estimation. International Society of Photogrammetry and Remote Sensing (ISPRS) Journal of Photogrammetry and Remote Sensing (ISPRS P&RS). 108:205–218. Download: [http://dx.doi.org/10.1016/j.isprsjprs.2015.08.001. IP-060745](http://dx.doi.org/10.1016/j.isprsjprs.2015.08.001.%20IP-060745).

Thenkabail, P.S., 2014. Guest Editor of Special Issue on “Hyperspectral Remote Sensing of Vegetation and Agricultural Crops” Photogrammetric Engineering and Remote Sensing. 80(4). Download A3.

Thenkabail, P.S., Gumma, M.K., Teluguntla, P., and Mohammed, I.A., 2014. Hyperspectral Remote Sensing of Vegetation and Agricultural Crops. Highlight Article. Photogrammetric Engineering and Remote Sensing. 80(4): 697-709. IP-052042. Download A4

Thenkabail, P.S., 2014. Research Advances in Hyperspectral Remote Sensing. Special Issue Foreword. Photogrammetric Engineering and Remote Sensing. 80(4): 721-723. Download A5.

Thenkabail, P.S., Gumma, M.K., Teluguntla, P., and Mohammed, I.A., 2014. Cover Page of Special Issue Hyperspectral Hyperion Images and Spectral Libraries of Agricultural Crops. Photogrammetric Engineering and Remote Sensing. 80(4): Cover Page. Download A6.

Marshall, M.T., Thenkabail, P.S. 2014. Biomass modeling of four leading World crops using hyperspectral narrowbands in support of HyspIRI mission. Photogrammetric Engineering and Remote Sensing. 80(4): 757-772. IP-052043. Download A7.

Thenkabail, P.S., Mariotto, I., Gumma, M.K.,, Middleton, E.M., Landis, and D.R., Huemmrich, F.K., 2013. Selection of hyperspectral narrowbands (HNBs) and composition of hyperspectral twoband vegetation indices (HVIs) for biophysical characterization and discrimination of crop types using field reflectance and Hyperion/EO-1 data. IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, Pp. 427-439, VOL. 6, NO. 2, APRIL 2013.doi: 10.1109/JSTARS.2013.2252601. (80%). IP-037139. Download A8.

Mariotto, I., Thenkabail, P.S., Huete, H., Slonecker, T., Platonov, A., 2013. Hyperspectral versus Multispectral Crop- Biophysical Modeling and Type Discrimination for the HyspIRI Mission. Remote Sensing of Environment. 139:291-305. IP-049224. Download A9.

Thenkabail, P.S., Lyon, G.J., and Huete, A. 2011. Book Chapter # 28: Hyperspectral Remote Sensing of Vegetation and Agricultural Crops: Current Status and Future Possibilities. In Book entitled: “Remote Sensing of Global Croplands for Food Security” (CRC Press- Taylor and Francis group, Boca Raton, London, New York. Edited by Thenkabail, P.S., Lyon, G.J., and Huete, A. Pp. 663-668. **In the Book:**

<https://www.crcpress.com/Hyperspectral-Remote-Sensing-of-Vegetation/Thenkabail-Lyon/p/book/9781439845370>

Thenkabail, P.S., Lyon, G.J., and Huete, A. 2011. Book Chapter # 1: Advances in Hyperspectral Remote Sensing of Vegetation. In Book entitled: “Remote Sensing of Global Croplands for Food Security” (CRC Press- Taylor and Francis group, Boca Raton, London, New York. Edited by Thenkabail, P.S., Lyon, G.J., and Huete, A. Pp. 3-38. **In the Book:**

<https://www.crcpress.com/Hyperspectral-Remote-Sensing-of-Vegetation/Thenkabail-Lyon/p/book/9781439845370>

Thenkabail, P.S., Enclona, E.A., Ashton, M.S., Legg, C., Jean De Dieu, M., 2004. Hyperion, IKONOS, ALI, and ETM+ sensors in the study of African rainforests. Remote Sensing of Environment, 90:23-43. Download A10.

Thenkabail, P.S., Enclona, E.A., Ashton, M.S., and Van Der Meer, V. 2004. Accuracy Assessments of Hyperspectral Waveband Performance for Vegetation Analysis Applications. Remote Sensing of Environment, 91:2-3: 354-376. Download A11.

Thenkabail P.S., Smith, R.B., and De-Pauw, E. 2002. Evaluation of Narrowband and Broadband Vegetation Indices for Determining Optimal Hyperspectral Wavebands for Agricultural Crop Characterization. Photogrammetric Engineering and Remote Sensing. 68(6): 607-621. Download A12.

Thenkabail, P.S., 2002. Optimal Hyperspectral Narrowbands for Discriminating Agricultural Crops. Remote Sensing Reviews. 20(4): 257-291.

Thenkabail P.S., Smith, R.B., and De-Pauw, E. 2000b. Hyperspectral vegetation indices for determining agricultural crop characteristics. Remote sensing of Environment. 71:158-182. Download A13.