

Peer-reviewed papers in Journals and Books:

Aneece, I., and Thenkabail, P.S. 2018. Chapter 9 (of Volume I of Four-Volume Book): Spaceborne Hyperspectral EO-1 Hyperion Data Pre-Processing: Methods, Approaches, and Algorithms. Volume I Title: Fundamentals, Sensor Systems, Spectral Libraries, and Data Mining for Vegetation. Pp. 251-271. Book Title: "Hyperspectral Remote Sensing of Vegetation" (Second Edition, 4 Volume Set). Publisher: CRC Press- Taylor and Francis group, Boca Raton, London, New York. Pp. 450. (Editors: Thenkabail, P.S., Lyon, G.J., and Huete, A.). (Editors: Thenkabail, P.S., Lyon, G.J., and Huete, A.). IP-091722

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<https://www.routledge.com/Hyperspectral-Remote-Sensing-of-Vegetation-Second-Edition-Four-Volume/Thenkabail-Lyon-Huete/p/book/9781138066250>

Aneece, I.P. and Thenkabail, P.S. 2018. Accuracies achieved in classifying five leading world crop types and their growth stages using optimal Earth Observing-1 Hyperion hyperspectral narrowbands on Google Earth Engine. Remote Sensing Open Access Journal of MDPI. 10(12), 2027.

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<https://pubs.er.usgs.gov/publication/70201462>

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 Thenkabail, P.S., Lyon, G.J., and Huete, A. (Editors) 2018. Book Title: Hyperspectral Remote Sensing of Vegetation (Second Edition, Four Volume-set). Volume II Title: Hyperspectral Indices and Image Classifications for Agriculture and Vegetation. Publisher: CRC Press- Taylor and Francis group, Boca Raton, London, New York. Pp. 296. In Press

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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.

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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:

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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.

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<https://www.mdpi.com/2072-4292/7/1/808>

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.

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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.

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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.

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

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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:

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