

## References:

1. Cassman, Kenneth G. "Ecological intensification of cereal production systems: yield potential, soil quality, and precision agriculture." *Proceedings of the National Academy of Sciences* 96, no. 11 (1999): 5952-5959.
2. Chen, Xin-Ping, Zhen-Ling Cui, Peter M. Vitousek, Kenneth G. Cassman, Pamela A. Matson, Jin-Shun Bai, Qing-Feng Meng et al. "Integrated soil–crop system management for food security." *Proceedings of the National Academy of Sciences* 108, no. 16 (2011): 6399-6404.
3. Atzberger, Clement. "Advances in remote sensing of agriculture: Context description, existing operational monitoring systems and major information needs." *Remote sensing* 5, no. 2 (2013): 949-981.
4. Huang, Yanbo, Matthew A. Lee, Steven J. Thomson, and Krishna N. Reddy. "Ground-based hyperspectral remote sensing for weed management in crop production." *International Journal of Agricultural and Biological Engineering* 9, no. 2 (2016): 98-109.
5. Blackburn, George Alan. "Hyperspectral remote sensing of plant pigments." *Journal of experimental botany* 58, no. 4 (2006): 855-867.
6. Caporaso, Nicola, Martin B. Whitworth, and Ian D. Fisk. "Near-Infrared spectroscopy and hyperspectral imaging for non-destructive quality assessment of cereal grains." *Applied Spectroscopy Reviews* 53, no. 8 (2018): 667-687.
7. De Baerdemaeker, Josse, and Wouter Saeys. "Advanced control of combine harvesters." *IFAC Proceedings Volumes* 46, no. 18 (2013): 1-5.
8. Hermann, Dan. "Optimisation of Combine Harvesters using Model-based Control." (2018).
9. Pinter Jr, Paul J., Jerry L. Hatfield, James S. Schepers, Edward M. Barnes, M. Susan Moran, Craig ST Daughtry, and Dan R. Upchurch. "Remote sensing for crop management." *Photogrammetric Engineering & Remote Sensing* 69, no. 6 (2003): 647-664.
10. Threats to Precision Agriculture. Public-Private Analytic Exchange Program. Department of homeland security (2018) USA GOV
11. [https://www.dhs.gov/sites/default/files/publications/2018%20AEP\\_Threats\\_to\\_Precision\\_Agriculture.pdf](https://www.dhs.gov/sites/default/files/publications/2018%20AEP_Threats_to_Precision_Agriculture.pdf)
12. Leroux, Corentin, Hazaël Jones, Léo Pichon, Serge Guillaume, Julien Lamour, James Taylor, Olivier Naud, Thomas Crestey, Jean-Luc Lablee, and Bruno Tisseyre. "GeoFIS: an open source, decision-support tool for precision agriculture data." *Agriculture* 8, no. 6 (2018): 73.
13. Zagórda, Mirosław, and Maria Walczykova. "The application of various software programs for mapping yields in precision agriculture." *BIO Web of Conferences*, vol. 10, p. 01018. EDP Sciences, 2018.



14. Du, Mengmeng, and Noboru Noguchi. "Monitoring of wheat growth status and mapping of wheat yield's within-field spatial variations using color images acquired from UAV-camera system." *Remote Sensing* 9, no. 3 (2017): 289.
15. Iida, Michihisa, Yu Ikemura, Masahiko Suguri, and Ryohei Masuda. "Cut-edge and Stubble Detection for Auto-Steering System of Combine Harvester using Machine Vision." *IFAC Proceedings* 43, no. 26 (2010): 145-150.
16. Noguchi, Noboru, and Oscar C. Barawid Jr. "Robot farming system using multiple robot tractors in Japan agriculture." *IFAC Proceedings* 44, no. 1 (2011): 633-637.
17. Westwood, James H., Raghavan Charudattan, Stephen O. Duke, Steven A. Fennimore, Pam Marrone, David C. Slaughter, Clarence Swanton, and Richard Zollinger. "Weed management in 2050: Perspectives on the future of weed science." *Weed science* 66, no. 3 (2018): 275-285.
18. Duhan, Joginder Singh, Ravinder Kumar, Naresh Kumar, Pawan Kaur, Kiran Nehra, and Surekha Duhan. "Nanotechnology: The new perspective in precision agriculture." *Biotechnology Reports* 15 (2017): 11-23.
19. Mahlein, Anne-Katrin. "Plant disease detection by imaging sensors—parallels and specific demands for precision agriculture and plant phenotyping." *Plant disease* 100, no. 2 (2016): 241-251.
20. Walter, Achim, Robert Finger, Robert Huber, and Nina Buchmann. "Opinion: Smart farming is key to developing sustainable agriculture." *Proceedings of the National Academy of Sciences* 114, no. 24 (2017): 6148-6150.
21. Nicolopoulou-Stamati, Polyxeni, Sotirios Maipas, Chrysanthi Kotampasi, Panagiotis Stamatis, and Luc Hens. "Chemical pesticides and human health: the urgent need for a new concept in agriculture." *Frontiers in public health* 4 (2016): 148.

