Peer review publications and thesis BT, August-December 2026

December

PickAMoo: LIDAR-enhanced mask R-CNN segmentation for precision weight estimation in dairy cattle using smartphone imaging

Guzhva, O., Ternman, E., Lindberg, M., Telezhenko, E. & Kronqvist, C., Dec 2026, In: Scientific Reports. 16, 1, 11 p., 16020.

Publication: Contribution to journal › Journal article › peer-review

Removal of selected pharmaceuticals from wastewater using spawn-based pellets of Pleurotus ostreatus: efficiency and environmental implications

Hultberg, M., Surra, E. & Golovko, O., Dec 2026, In: Fungal Biology and Biotechnology. 13, 1, 10 p., 16.

Publication: Contribution to journal › Journal article › peer-review

Acid-modified biochar improves the adaptability of sugar beet seedlings to saline-alkali soil by enhancing their physiology

Zhao, C., Yunuo, P., Yong, J. W. H., Ishfaq, M., Sattar, M., Yin, D., Riaz, M., Yang, S. & Song, B., Dec 2026, In: BMC Plant Biology. 26, 1, 14 p., 1425.

Publication: Contribution to journal › Journal article › peer-review

Evaluating oat (Avena sativa L.) performance under vertical agrivoltaic system in Sweden

Khosravi, A., Zidane, T. E. K., Bellone, Y., Zad, A. N., Sortino, G., Guezgouz, M., Hörndahl, T., Lu, S. M., Zainali, S., Tekie, S., Avelin, A., Amaducci, S. & Campana, P. E., Dec 2026, In: Energy Nexus. 24, 11 p., 100816.

Publication: Contribution to journal › Journal article › peer-review

Food system actors perspectives on Swedish agricultural preparedness -a Q-methodology study

Eneroth, H., Hansson, H., Wood, A., Chongtham, I. R., Carlsson, G. & Röös, E., Dec 2026, In: Ecological Economics. 250, 9 p., 109170.

Publication: Contribution to journal › Journal article › peer-review

Long-Term Fermented Chicken Manure (CM) Amendment Enhances Soil Health, Sugar Beet Yield, and Shifts Microbial Functional Diversity

Zhang, J., Yang, S., Lin, X., Sehar, S., Ishfaq, M., Riaz, M., Adil, M. F., Bilal, S., Zhao, X., Yong, J. W. H. & Song, B., Dec 2026, In: Sugar Tech. 28, 6, p. 2028-2041 14 p.

Publication: Contribution to journal › Journal article › peer-review

Biochar-biostimulant combinations enhance nodulation, yield, and antioxidant defense in mungbean under reduced NPK fertilization

Amin, M., Sani, M. N. H., Rahman, M. M., Akter, S., Mahabub, M. R., Mohsin, S. M., Islam, M. A., Yong, J. W. H. & Ahmmed, A. N. F., Dec 2026, In: Scientific Reports. 16, 1, 16 p., 23614.

Publication: Contribution to journal › Journal article › peer-review

Development of a Ganoderma lucidum bioreactor for dichlorodiphenyltrichloroethane contaminated soil treatment

Casey, S., Wiberg, K., Hultberg, M. & Sarrà, M., Dec 2026, In: Applied Microbiology and Biotechnology. 110, 1, 11 p., 188.

Publication: Contribution to journal › Journal article › peer-review

November

Defining optimal elevation thresholds for mangrove restoration through dynamic tidal simulation: Evidence from morphological and physiological assessment of five species in Zhanjiang Bay, China

Huang, J., Yang, B., Zhou, X., Chen, J., Liu, S., Deng, K., Lin, X., Chen, Y., Wang, R., Zheng, Y., Wu, Q., Zhu, H., Zheng, Y., Wu, F. & Yong, J. W. H., Nov 2026, In: Ecological Engineering. 232, 20 p., 108111.

Publication: Contribution to journal › Journal article › peer-review

Perennial cropping systems alter microbial resource limitations and promote soil carbon storage

Yang, X., Yuan, M., Brangarí, A. C., Albertsson, J. & Rousk, J., Nov 2026, In: Soil Biology and Biochemistry. 222, 11 p., 110294.

Publication: Contribution to journal › Journal article › peer-review

The sensory world of cattle: Abilities, limitations, and perceptual challenges in human-designed environments

Rørvang, M. V., Meagher, R. K., Stenfelt, J., Miller-Cushon, E. K., Ahmmad, S. R. & Ceballos, M. C., Nov 2026, In: Applied Animal Behaviour Science. 304, 17 p., 107117.

Publication: Contribution to journal › Review article › peer-review

Impact of different water matrices on removal of organic micropollutants (OMPs) including perfluoroalkyl substances (PFAS) by fungal pellets of Pleurotus ostreatus

Wong, T. Y., Speksnijder, B., Kamel, A., Hultberg, M. & Golovko, O., Nov 2026, In: Journal of Hazardous Materials Advances. 24, 11 p., 101529.

Publication: Contribution to journal › Journal article › peer-review

Developing biodiversity indicators for monitoring agricultural sustainability: Insights from a Delphi expert process

Arguile, L., Smith, J., Kipling, R. P., Burton, V. J., Clark, K., Cole, L. J., Dhandapani, S., Fisher, K. F., Garratt, M. P. D., Gathorne-Hardy, A., Girling, L. J., Girling, R. D., Herzog, F., Hood, A. S. C., Koch, H., Lea, V., Lee, M. A., Lyon, F., Mauchline, A. L. & McHugh, N. M. & 17 others, , Nov 2026, In: Journal of Environmental Management. 419, 17 p., 131056.

Publication: Contribution to journal › Journal article › peer-review

October

Feasibility of the frass recirculation method during Hermetia illucens larvae treatment of organic waste streams

Lopes, I. G. & Lalander, C., 28 Oct 2026, In: Journal of Cleaner Production. 581, 12 p., 149621.

Publication: Contribution to journal › Journal article › peer-review

The Mycorrhizal Fungal Species Funneliformis mosseae Reshapes Rhizosphere Microbial Metabolic Pathways of Soybeans Under Tetracycline Stress

Yang, C., Cai, B., Chong, H. L. H., Li, J., Li, L., Yong, J. W. H. & Chong, K. P., Oct 2026, In: MicrobiologyOpen. 15, 5, 15 p., e70385.

Publication: Contribution to journal › Journal article › peer-review

Precision monitoring of leaf area index and chlorophyll content of major field crops in Northern Europe using UAV remote sensing and radiative transfer modeling

Thapa, S., Bouras, E. H., Olsson, P. O., Alexandersson, E., Roitsch, T., Albertsson, J., Hörteborn, A. & Eklundh, L., Oct 2026, In: Precision Agriculture. 27, 5, 42 p., 126.

Publication: Contribution to journal › Journal article › peer-review

Consequential life cycle assessment of European livestock systems: current practices, limitations, and priorities

Sun, D., Knudsen, M. T., Ponsioen, T., Teixeira, R., Chervinska, A., Raposo, M., Lucić, R., Gravell, M., Davison, N., Cameron, L., Westaway, S., Wilfart, A., Goglio, P., Wang, Y., Hashemi, F., Diogo, V., Weidema, B. P. & Smith, L. G., Oct 2026, In: Journal of Industrial Ecology. 30, 5, p. 2781-2802 22 p.

Publication: Contribution to journal › Review article › peer-review

September

Pyrolysis of solid digestates into feedstock-specific biochar for integrated solid–liquid digestate valorisation

Sani, M. N. H., Vali, N., Ylitervo, P., Pettersson, A., Caspersen, S., Bergstrand, K. J., Prade, T. & Yong, J. W. H., Sept 2026, In: Bioresource Technology Reports. 35, 13 p., 102932.

Publication: Contribution to journal › Journal article › peer-review

Risk perception and preventive control in indoor plant production: food safety practices among Swedish operators of leafy vegetables and microgreens

Wanasinghe, T., Waechter, S., Drottberger, A. & Alsanius, B., 19 Sept 2026, In: Food Control. 193, 112635.

Publication: Contribution to journal › Journal article › peer-review

Biomass productivity and weed suppression of diverse plant phenotypes in organic faba bean-pea intercropping

Wallman, D., Leino, M. W., Grimberg, Å. & Carlsson, G., 2026, (E-pub ahead of print) In: Biological Agriculture and Horticulture. 23 p.

Publication: Contribution to journal › Journal article › peer-review

Management practices and human–horse relationships are associated with horse personality traits

Viitanen, A., Ståhl, A., Salonen, M. K. & Liehrmann, O., 9 Sept 2026, In: Royal Society Open Science. 13, 9, 28 p., 260116.

Publication: Contribution to journal › Journal article › peer-review

Effects of fructooligosaccharide supplementation combined with aerobic exercise on gut microbiota, cecal venous metabolites, and lipid metabolism in rats

Han, X., Jin, X., Han, Z., Song, J., Li, X., Wang, B. & Sun, D., Sept 2026, In: Food Bioscience. 83, 18 p., 109650.

Publication: Contribution to journal › Journal article › peer-review

Farmer acceptability of increased tree cover scenarios in the UK: Identifying farmer preferences for tree planting on their land

Westaway, S., Grange, I., Smith, J. & Smith, L. G., Sept 2026, In: Journal of Rural Studies. 127, 11 p., 104353.

Publication: Contribution to journal › Journal article › peer-review

Intercropping traditional pea varieties with faba bean in organic farming: Legume diversification for sustainable agriculture

Wallman, D., 11 Sept 2026, Alnarp: Swedish University of Agricultural Sciences. 79 p.

Publication: Thesis › Doctoral thesis

In vitro rumen degradation, fermentation, and methane production of five bakery by-products

Christodoulou, C., Jalal, H., Crompton, L. A., Kliem, K. E., Davison, N., Smith, L. G., Humphries, D. J., Fusaro, I. & Stergiadis, S., 15 Sept 2026, In: Animal Feed Science and Technology. 344, 10 p., 116913.

Publication: Contribution to journal › Journal article › peer-review

Lessons learned from two applied approaches for treatment of aged DDT-contaminated soil with white-rot fungi

Casey, S., Wiberg, K., Dahlberg, A. K., Hultberg, M., Enell, A. & Volchko, Y., Sept 2026, In: PLOS ONE. 21, 9, 18 p., e0357404.

Publication: Contribution to journal › Journal article › peer-review

Bioaccumulation and elimination kinetics of metals and polycyclic aromatic hydrocarbons in Hermetia illucens larvae: Implications for risk mitigation of selected contaminants in insect farming

Mostafaie, A., Silva, P. V., Prodana, M., Silva, A. R. R., Pinto, J. N., Duarte, R. M. B. O., Alvito, P., Coelho, I., Rego, A., Lopes, I. G., Brooks, B. W., Loureiro, S. & Cardoso, D. N., Sept 2026, In: Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology. 307, 110554.

Publication: Contribution to journal › Journal article › peer-review

Feeding the bioeconomy: A systems analysis of intermediate crops and crop residues

Barrios Latorre, A., 2026, Swedish University of Agricultural Sciences. 86 p.

Publication: Thesis › Doctoral thesis

Sustainable grazing management supports climate change mitigation in a mediterranean pasture

Ishaq, H. K., Grilli, E., Ardolino, F. & Castaldi, S., 10 Sept 2026, In: Frontiers in Environmental Science. 14, 10 p., 1917508.

Publication: Contribution to journal › Journal article › peer-review

August

Recirculation enhances the fertilizer efficiency of black soldier fly larvae frass

Lopes, I. G., Sani, M. N. H., Braos, L. B., Bergstrand, K. J., Caspersen, S., Lalander, C. & Yong, J. W. H., Aug 2026, In: Nutrient Cycling in Agroecosystems. 133, 1, 14.

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The OsLHY-OsSCL30/OsDHT1 regulatory cascade coordinates heading date and plant height through Pre-mRNA splicing modulation in rice

Lu, Y., Guo, Y., Gao, R., Li, J., Yang, C., Song, W., Wu, D., Hong Yong, J. W., Yu, L. & Jin, X., Aug 2026, In: Journal of Advanced Research. 86, p. 87-102 16 p.

Publication: Contribution to journal › Journal article › peer-review

The Cephaleuros spp. Causing Red Rust Disease in Oolong Tea (Camellia sinensis): Genetic Diversity, Pathogenicity, and Host Defense

Wu, F., Zheng, Y., Wu, Q., Zhong, S., Hu, X., Zheng, H., Chen, Y., Huang, D., Chen, X., Ding, M., Yu, Z., Zheng, Y., Wan Hong Yong, J., Huang, J. & Zhu, H., 2026, In: Plant Disease. 110, 8, p. 3432-3442 11 p.

Publication: Contribution to journal › Journal article › peer-review

Review: The roles of individuality and social life in shaping positive animal welfare in livestock species

Goursot, C., Hintze, S., Rørvang, M. V., Schmitt, O., Arney, D., Boivin, X., Koni, A., Montalcini, C., Newberry, R. C., Tallet, C., Zupan Šemrov, M. & Goumon, S., Aug 2026, In: Animal. 20, 8, 20 p., 101878.

Publication: Contribution to journal › Review article › peer-review

Optimization of Sensory Quality and Short-Term Colloidal Stability of Akebia trifoliata Cloudy Juice for Beverage Development

Wen, H., Li, Y., Sani, M. N. H., Yong, J. W. H. & Song, J., Aug 2026, In: Foods. 15, 16, 2911.

Publication: Contribution to journal › Journal article › peer-review

Loss of function of the AP2/ERF transcription factor StGAME9 abolishes activation and induction of steroidal glycoalkaloid biosynthesis in potato plants

Liu, Y., Merino, I., Potgieter, L., Flöhr, A., Johansson, A. I., Andersson, M., Sitbon, F. & Hofvander, P., Aug 2026, In: Plant Physiology and Biochemistry. 237, 12 p., 111561.

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Artemisia argyi Polysaccharides Protect Intestinal Health by Enhancing Antioxidant Capacity in Suckling Lambs Under Cold Exposure

Zheng, S., Jin, X., Song, J., Li, X., Han, Z., Wang, B. & Sun, D., Aug 2026, In: Animals. 16, 16, 21 p., 2512.

Publication: Contribution to journal › Journal article › peer-review

Data on the effect of vertical agrivoltaic systems on the crop performance of oat (Avena Sativa L.) cultivated in Sweden

Coluccia, S., Urso, G., Farruggia, D., Licata, M., Hörndahl, T., Langella, G., Ruocco, M., Zidane, T. E. K., Khosravi, A. & Campana, P. E., Aug 2026, In: Data in Brief. 67, 112984.

Publication: Contribution to journal › Journal article › peer-review

Energy-efficiency in greenhouse grown crops by LED lighting with integrated renewable storage energy systems

Bergstrand, K.-J., Zanol, G. C., Solis, J., Funaki, A., Olsson, D. & Nilsson, M., 19 Aug 2026, *2026 IEEE International Workshop on Metrology for Industry 4.0 & IoT (MetroInd4.0 & IoT)*. Rome: Institute of Electrical and Electronics Engineers (IEEE), p. 760-765 6 p. (Conference Proceedings - 2026 IEEE International Workshop on Metrology for Industry 4.0 and IoT, MetroInd4.0 and IoT 2026).

Publication: Chapter in Book/Report/Conference proceeding › Conference paper in proceedings › peer-review

Energy Saving Potential of Rooftop Greenhouses: Case Study of a Multi-Story Residential Building in a Cold Climate

Zhang, Y., Dubois, M. C., Bocz, G. Ä., Drottberger, A. & Prade, T., Aug 2026, In: Buildings. 16, 16, 28 p., 3171.

Publication: Contribution to journal › Journal article › peer-review

Establishing a baseline for energy-efficient climate adaptations in a typical Swedish pig facility

Malm, T., Jeppsson, K. H., Johansson, D., Yngvesson, J., Prade, T. & Dubois, M. C., 2026, (E-pub ahead of print) In: Building Research and Information.

Publication: Contribution to journal › Journal article › peer-review