# Programme

| Wednesday October 15th | | | | |
|---|---|---|---|---|
| 08:00-09:00 | Registration | | | |
| 09:00:09:25 | Opening of the conference (Hugo tech room) | | | |
| 09:25:09:55 | Keynote 1: Marten van der Berg (Dutch Ministry of Agriculture) "Policy developments in the Netherlands; water quality and ammonia emissions." (Hugo tech room) | | | |
| 10:05-11:20 | Parallel session 1 | | | |
| | GHG emissions: methane 1 | GHG emissions: field application 1 | Integral analysis: manure management | Agronomic value: Digestate |
| 11:20-12:15 | Poster session and Coffee/Tea | | | |
| 12:15-13:45 | Lunch | | | |
| 13:45-15:00 | Parallel session 2 | | | |
| | GHG emissions: storage and housing 1 | GHG emissions: field application 2 | Agronomic value: organic waste recycling | Integral analysis: systems approach |
| 15:00-16:00 | Poster session and Coffee/Tea | | | |
| 16:00-17:15 | Parallel session 3 | | | |
| | GHG emissions: storage and housing 2 | Soil quality: contaminants | Air quality: housing, storage and treatment 1 | Agronomic value |
| 19:00-21:00 | Dinner in Wageningen centre | | | |

| Thursday October 16th | | | | |
|---|---|---|---|---|
| 09:00-09:30 | Keynote 2: Jochen Mayer (Agroscope): "Potentials to optimize nitrogen use efficiency in European livestock systems" (Hugo tech room) | | | |
| 09:30-10:00 | Keynote 3: Kimo van Dijk (WUR): "Safe sustainable circular fertilisers recycled from sanitation flows, wastewater or process water" (Hugo tech room) | | | |
| 10:00-10:30 | Poster session and Coffee/Tea | | | |
| 10:30-12:00 | Parallel session 4 | | | |
| | Air quality: housing, storage and treatment 2 | Agronomic value: RENURE and composting | Soil quality 1 | Policy and regulation |
| 12:00-13:30 | Lunch | | | |
| 13:30-17:30 | Excursions | | | |
| 19:00-21:00 | Conference dinner in WICC | | | |

| Friday October 17th | | | | |
|---|---|---|---|---|
| 09:00-09:30 | Keynote 4: Paulo Braz (Eurostat): "The new EU nutrients statistics and other agri-environmental indicators" (Hugo tech room) | | | |
| 09:30-10:00 | Keynote 5: Quirine Ketterings (Cornell University): "Manure management in New York" (Hugo tech room) | | | |
| 10:10-10:55 | Parallel session 5 | | | |
| | GHG emissions: methane 2 | Air quality: field application 1 | GHG emissions: field application 3 | Air quality: Housing, storage and treatment 3 |
| 10:55-11:30 | Poster session and Coffee/Tea | | | |
| 11:30-12:15 | Parallel session 6 | | | |
| | Air quality: field application 2 | Integral analysis | Soil quality 2 | Water quality |
| 12:30-13:00 | Keynote 6: Jos Verstraten (Dutch agricultural organization): "Circular agriculture from the view of a Dutch dairy farmer" (Hugo tech room) | | | |
| 13:00-13:15 | Closing of the conference (Hugo tech room) | | | |
| 13:15-14:00 | Lunch | | | |

# Parallel sessions

| Parallel session 1 – Wednesday 10:00 – 11:15 | | | | |
|---|---|---|---|---|
| | Hugo tech room | Expert street 2&3 | Expert street 6&7 | Expert street 8&9 |
| | **GHG emissions: methane 1** | **GHG emissions: field application 1** | **Integral analysis: manure management** | **Agronomic value: Digestate** |
| Session chair | Thomas Kupper | Mart Ros | Hans-Werner Olfs | Else Bünemann-König |
| 10:05-10:20 | 1. A. Nicolas | 6. I. Lloyd (R. Thorman) | 11. I. Regelink | 16. C. van Midden |
| 10:20-10:35 | 2. C. Herrmann | 7. K. Silva Lourenço | 12. Q. Fang | 17. M. Hansen |
| 10:35-10:50 | 3. A. Rawat (D. Janke) | 8. S. M. Iglesias Díez | 13. W. Sun | 18. A. Pantelopoulos |
| 10:50-11:05 | 4. S. Hee Lee | 9. C. Ammann | 14. F. Beline | 19. E. Tampio |
| 11:05-11:20 | 5. L. Bonne Guldberg | 10. M. Allegrezza | 15. HJ van Dooren | 20. J. Julie |

| Nr. | Author | Title |
|---|---|---|
| 1. | A. Nicolas | Methane emissions assessment during storage with or without digestate treatment measured on storage experimental pilots |
| 2. | C. Herrmann | Reduction of methane emissions and changes in microbial composition through calcium cyanamide addition during storage of liquid cow manure – impact of additive dosage and storage temperature |
| 3. | A. Rawat (D. Janke) | Real-time bioprocess monitoring of methane emissions from liquid manure storage systems in course of the year as a basis for simulation and modeling |
| 4. | S. Hee Lee | Evaluating Methane Emissions from Pig Farms in South Korea Using IPCC Guidelines |
| 5. | L. Bonne Guldberg | Effect of pig slurry discharge frequency and combination with storage mitigation techniques on methane emission from house and storage |
| 6. | I. Lloyd (R. Thorman) | Nitrous oxide losses following application of livestock manures to agricultural land |
| 7. | K. Silva Lourenço | Nitrous Oxide Emissions in Coffee and Cocoa Systems: Establishing Baselines for Sustainability |
| 8. | S. M. Iglesias Díez | Effect of integrating green manure, animal manure and mineral nitrogen fertilizer on N2O emissions in an irrigated maize crop |
| 9. | C. Ammann | Nitrogen processing in pasture urine patches and effect on N2O emissions |
| 10 | M. Allegrezza | Monitoring GHGs fluxes following slurry distribution in three alternative forage system managements |
| 11. | I. Regelink | Manure processing in regions with intensive livestock farming: pros and cons |
| 12. | Q. Fang | Region-specific management measures for crop and livestock production systems may achieve environmental targets cost effectively |
| 13. | W. Sun | Optimization of manure management options in view of crop nutrient demands, environmental benefits and costs |
| 14. | F. Beline | Are livestock manure and organic waste the key to nitrogen self-sufficiency in organic farming? From farm to territory case studies |
| 15. | H.J. van Dooren | Impact of manure separation techniques in dairy houses on environment, fertilization and economics |
| 16. | C. van Midden | Nitrogen use efficiency of digestate applied with high organic carbon materials on the growth and yield of spring barley |
| 17. | M. Hansen | Optimisation of the fertilisation effect of digestates |
| 18. | A. Pantelopoulos | Pyrolysis and hydrothermal carbonization of digestate solids effects on product characteristics, soil nitrogen dynamics and carbon mineralisation |
| 19. | E. Tampio | The use of biochar as co-feedstock in anaerobic digestion: Effects on digestate separation performance |
| 20. | J. Julie | Ferti-Dig: a French approach to optimize the agronomic benefits of on-farm digestates through typology establishment and assessment of the effects on agroecosystems |

| Parallel session 2 - Wednesday 13:45-15:00 | | | | |
|---|---|---|---|---|
| | Hugo tech room | Expert street 2&3 | Expert street 6&7 | Expert street 8&9 |
| | **GHG emissions: storage and housing 1** | **GHG emissions: field application 2** | **Agronomic value: organic waste recycling** | **Integral analysis: systems approach** |
| Session chair | Christof Ammann | Sebastian Wulf | Inge Regelink | Luis Lassaletta |
| 13:45-14:00 | 1. D.Janke | 6. M. Luz Cayuela | 11. I. Bisschops | 16. A. Robles Aguilar (L. Llenas Argelaguet) |
| 14:00-14:15 | 2. C. de Klein | 7. H. Ovelhey | 12. I. Guidini Lopes | 17. D. Xu |
| 14:15-14:30 | 3. M. Bühler | 8. N. Koga | 13. F. Levasseur (R. Seheno) | 18. J. EL Mahdi |
| 14:30-14:45 | 4. R. Maasdam | 9. L. Baert | 14. E. Garcia-Muchart | 19. G. Lyons |
| 14:45-15:00 | 5. K. Carranza | 10. | 15. D. Bona | 20. J. Sharp |

| Nr. | Author | Title |
|---|---|---|
| 1 | D. Janke | Manure removal frequency in dairy housing – impacts on ammonia and methane emissions |
| 2 | C. de Klein | Understanding methane emissions from dairy farm manure management |
| 3 | M. Bühler | Greenhouse gas and ammonia emissions from two floor types of naturally ventilated dairy barns in Denmark |
| 4 | R. Maasdam | Effect of pH and crust formation on N2O and NO emission from liquid cow manure (slurry) during storage. |
| 5 | K. Carranza | Modelling Greenhouse Gas and Ammonia Emissions at building and manure storage level in three housing systems for laying hens |
| 6 | M. Luz Cayuela | Biochar for carbon dioxide removal: how biochar properties modulate soil C persistence and potential synergies with N2O emissions reduction |
| 7 | H. Ovelhey | Reducing nitrogen losses in broccoli cultivation through valorization of crop by-products |
| 8 | N. Koga | A greenhouse gas balance under a forage cropping system in southwestern Japan |
| 9 | L. Baert | The influence of long-term compost application on soil nitrous oxide emissions: A one-year budget |
| 10 | *Empty slot* | *Empty slot* |
| 11 | I. Bisschops | Local urban biowaste recycling as fertilisers: a safe-by-design approach |
| 12 | I. Guidini Lopes | Recirculating nutrients through black soldier fly larvae bioconversion of organic waste streams for improved plant performance |
| 13 | F. Levasseur (R. Seheno) | Multicriteria assessment of organic waste application across diverse real-world cropping systems: a modeling study |
| 14 | E. Garcia-Muchart | From agro-food waste to exopolysaccharide-based biostimulants: a circular bioeconomy strategy to enhance soil health and plant resilience under saline stress |
| 15 | D. Bona | New amendment: agro-environmental properties of hydrochar and post-treated hydrochar. |
| 16 | A. Robles Aguilar (L. Llenas Argelaguet) | Nutrient balance and Resource Optimisation in Regional Ecosystems through holistic, sustainable and zero-pollution solution - GREENHOOD |
| 17 | D. Xu | Current use of nitrogen, phosphorus and potassium fertilizers and their potential replacement by manure, sludge and biowaste in EU agriculture |
| 18 | J. EL Mahdi | Integrated dairy manure management systems to simultaneously reduce environmental impact and improve fertilizing value |
| 19 | G. Lyons | Sustainable solutions for excess agricultural phosphorus management in Northern Ireland using pyrolysis of anaerobic digestate solids for biochar production. |
| 20 | J. Sharp | Development of a simple vegetable residue nitrogen dynamics model |

| Parallel session 3 – Wednesday 16:00-17:15 | | | | |
|---|---|---|---|---|
| | Hugo tech room | Expert street 2&3 | Expert street 6&7 | Expert street 8&9 |
| | **GHG emissions: storage and housing 2** | **Soil quality: contaminants** | **Air quality: housing, storage and treatment 1** | **Agronomic value** |
| Session chair | Colin Dekker | Fien Amery | Sasha Hafner | Karoline D'Haene |
| 16:00-16:15 | 1. D. Reiter | 6. I. Royer | 11. C. Schep | 16. C. Thorn |
| 16:15-16:30 | 2. J. Aviño-Calero | 7. L. Stokkermans | 12. N. Edouard | 17. H.W. Olfs |
| 16:30-16:45 | 3. R. Wang | 8. E. Jongedijk | 13. A. Valach | 18. E. Bünemann |
| 16:45-17:00 | 4. H. Sahu | 9. P. Piveteau | 14. A. Dabiri | 19. L. Agostini |
| 17:00-17:15 | 5. A. Feilberg | 10. V. Pegoraro | 15. L. Chen | 20. M. Diener |

| Nr. | Author | Title |
|---|---|---|
| 1 | D. Reiter | Utilization of Calcium Cyanamide in Cattle Slurry Storage: Greenhouse Gas Mitigation and Nutrient Conservation |
| 2 | J. Aviño-Calero | Optimization of Pig Slurry Composting with Olive Mill and Vegetable Waste Using Recycled Tennis Balls to Reduce Aeration Needs and Anaerobic Gas Emissions on an Industrial Scale |
| 3 | R. Wang | Inoculum amount and material freshness drive organic degradation and methane emissions in pig slurry: insights from untargeted metabolomics |
| 4 | H. Sahu | Evaluating Emission Dynamics: Intensive Spatial and Temporal Analysis of NH3 and CH4 Emission Estimations by Indirect CO2 Balance Method in a Dairy Barn |
| 5 | A. Feilberg | Measuring emissions of greenhouse gases and ammonia from farm-scale manure stockpiles |
| 6 | I. Royer | Impact of trace metal excess in cow diets on the agro-ecosystem: soils, leachates and plants |
| 7 | L. Stokkermans | Assessment of contaminants in bokashi sampled from 76 pilots |
| 8 | E. Jongedijk | Impact of pharmaceutical residues in soils |
| 9 | P. Piveteau | Soil-dependent fate of naturally occurring Klebsiella pneumoniae and Listeria monocytogenes after incorporation of digestates: microcosms investigations and field experiments |
| 10 | V. Pegoraro | Salinization or sodification risk from the agronomic use of pig slurry in Córdoba, Argentina |
| 11 | C. Schep | Determination of gaseous emissions from naturally ventilated housings in the absence of animals |
| 12 | N. Edouard | Ammonia emissions from dairy barns when cows share their time between barn and pasture |
| 13 | A. Valach | Farm-scale ammonia fluxes from cattle housing and slurry storage in Switzerland |
| 14 | A. Dabiri | Effectiveness of acidification in reducing ammonia emissions from dairy slurry and digestate during storage |
| 15 | L. Chen | Electrochemical Ammonia Stripping to Recover Ammonia Nitrogen from Liquid Dairy Manure |
| 16 | C. Thorn | Assessment of the nutrient value of slurry post-storage with a methane mitigating additive, and implementation of the additive at full scale |
| 17 | H.W. Olfs | On-farm evaluation of near-infrared spectroscopy sensor accuracy for organic liquid manure analysis using a mobile measuring station |
| 18 | E. Bünemann | Optimization strategies for organic fertilizer use in a seven-year field trial: Part I - Nitrogen use efficiency and soil quality |
| 19 | L. Agostini | Optimization strategies for organic fertilizer use in a seven-year field trial:<br>Part II – Greenhouse gas emissions |
| 20 | M. Diener | Optimization strategies for organic fertilizer use in a seven-year field trial: Part III – Nitrate leaching in a parallel lysimeter study |

| Parallel session 4 – Thursday 10:30-12:00 | | | | |
|---|---|---|---|---|
| | Hugo tech room | Expert street 2&3 | Expert street 6&7 | Expert street 8&9 |
| | **Air quality: housing, storage and treatment 2** | **Agronomic value: RENURE and composting** | **Soil quality 1** | **Policy and regulation** |
| Session chair | Johanna Pedersen | Astrid Oberson | Frank Liebisch | Melissa Wilson |
| 10:30-10:45 | 1. JQ. Ni | 7. B. Everaert | 13. S. Eich-Greatorex | 19. L. van Schöll |
| 10:45-11:00 | 2. R. Girault | 8. W. van Dijk | 14. A. Sikander | 20. E. Van Eynde |
| 11:00-11:15 | 3. T. Kupper | 9. M. Martínez-Gallardo | 15. M. Trenkner | 21. K. Kaltenegger |
| 11:15-11:30 | 4. G. Moscatelli | 10. I. Wollmann | 16. P. Solé | 22. Å. Watne |
| 11:30-11:45 | 5. S. Godbout | 11. M. Estrella-González | 17. M. Fontana | 23. H. Luo |
| 11:45-12:00 | 6. C. Esteves | 12. J. Cabell | 18. Y. Chourak | 24. P. Kai |

| Nr. | Author | Title |
|---|---|---|
| 1 | J-Q. Ni | Particulate matter concentrations and emissions at a swine farrowing building during winter |
| 2 | R. Girault | Machine learning: A New Approach for Predicting Ammonia Emissions from Digestate Storage |
| 3 | T. Kupper | A nitrification plant to reduce ammonia emissions and improve nitrogen use efficiency from segregated pig urine |
| 4 | G. Moscatelli | Ammonia emissions from pig livestock converted in ammonium sulfate fertilizer for sugar beet crop |
| 5 | S. Godbout | Air quality in conventional and alternative Canadian barns: Perspectives under one health approach |
| 6 | C. Esteves | Slurry treatment during medium-scale storage: impacts on NH3 and GHG emissions and pathogen load |
| 7 | B. Everaert | Value of animal manure products and RENURE as alternative to synthetic fertilisers in hydroponic greenhouse crops and arable crops |
| 8 | W. van Dijk | Nitrogen utilization of potential RENURE products on grassland and maize |
| 9 | M. Martínez-Gallardo | Screening and characterization of microorganisms with enzymatic potential to enhance the compostability of the recalcitrant algae Rugulopteryx okamurae |
| 10 | I. Wollmann | From waste streams to P-rich organic fertilizers: Closing regional nutrient cycles for sustainable agriculture |
| 11 | M. Estrella-González | Composting as a source of microbial inoculants for plastic degradation |
| 12 | J. Cabell | Composting Marine Residues |
| 13 | S. Eich-Greatorex | Soil effects of organic fertilisers in cereal production |
| 14 | A. Sikander | Challenges and Innovations in Assessing Biodegradable Plastic Bag Degradation in Industrial Composting |
| 15 | M. Trenkner | Upcycling of biogenic waste materials to produce a sustainable bio-based peat substitute based on biogas digestate |
| 16 | P. Solé | Manure application increases soil carbon content and quality in a Mediterranean rainfed arable agricultural system. |
| 17 | M. Fontana | Recycling of ligneous residues to improve soil fertility |
| 18 | Y. Chourak | Soil-Applied Zeolites and High-Absorbance Clays for $NH_3$ Emissions Reduction |
| 19 | L. van Schöll | Organic resources as future components for the CE-marked fertilising products in the EU |
| 20 | E. Van Eynde | Opportunities for reducing phosphorus inputs in EU agricultural land and implications for manure management |
| 21 | K. Kaltenegger | Ammonia emissions in EU-27 and compliance with EU policy targets – advancements, potentials and impacts on ecosystems |
| 22 | Å. Watne | SCAIL Sweden - A tool for assessing local impacts of emissions from large livestock facilities |
| 23 | H. Luo | Barriers and opportunities: regional deviation in regulating livestock manure processing and application |
| 24 | P. Kai | Cost and Environmental Efficiency of Technologies for Defining Future BAT Limits in Danish Growing-Finishing Pig Production |

| Parallel session 5 – Friday 10:10-10:55 | | | | |
|---|---|---|---|---|
| | Hugo tech room | Expert street 2&3 | Expert street 6&7 | Expert street 8&9 |
| | **GHG emissions: methane 2** | **Air quality: field application 1** | **GHG emissions: field application 3** | **Air quality: Housing, storage and treatment 3** |
| Session chair | David Fangueiro | Andreas Pacholski | Maria Luz Cayuela | Laura van Schöll |
| 10:10-10:25 | 1. S. Hafner | 4. J. Huijsmans | 7. B. Foereid | 10. A. Declerck |
| 10:25-10:40 | 2. H. Bjarne Moller | 5. J. Pedersen | 8. V. Scarlet Chavez Rico | 11. S. Schrade |
| 10:40-10:55 | 3. A. Peter Adamsen | 6. O. A. Ernest | 9. L. Boros | 12. S. Aarons |

| Nr. | Author | Title |
|---|---|---|
| 1 | S. Hafner | How management affects methane emission from stored digestate: insights from coupling heat transfer and microbial models |
| 2 | H. Bjarne Moller | Feed, Additives, and BMP Values: A Comprehensive Study of Methane Potential Across Animal Categories |
| 3 | A. Peter Adamsen | Development of a gas collection and methane flaring system for covered slurry tanks |
| 4 | J. Huijsmans | Assessment of Ammonia Emission from grazing dairy |
| 5 | J. Pedersen | Effect of digestate and untreated slurry properties on ammonia emission from field application |
| 6 | O. A. Ernest | Urinary Nitrogen Concentration Influences Seasonal Dynamics of Ammonia Emissions, Herbage Yield, and Nitrogen Uptake in a Temperate Grassland |
| 7 | B. Foereid | Nitrogen mineralisation and greenhouse gas emissions after digestate application to rice paddy soil |
| 8 | V. Scarlet Chavez Rico | Effects of Organic Amendment Pre-Treatment on Soil Carbon and Nitrogen Dynamics |
| 9 | L. Boros | Does biogas production from energy cover crops really mitigate climate change and is it adapted to future climate conditions? Insights from real farming practices in French field crop regions |
| 10 | A. Declerck | Airflow Assessment in Naturally Ventilated Barns Using a Direct Measuring Method |
| 11 | S. Schrade | CowToilet for dairy cows: an evaluation of functionality and animal welfare |
| 12 | S. Aarons | Mitigating ammonia losses from scraped dairy manure using alternative acidifier |

| Parallel session 6 – Friday 11:30-12:15 | | | | |
|---|---|---|---|---|
| | Hugo tech room | Expert street 2&3 | Expert street 6&7 | Expert street 8&9 |
| | **Air quality: field application 2** | **Integral analysis** | **Soil quality 2** | **Water quality** |
| Session chair | Barbara Amon | Peter Sørensen | Carole Epper | Peter Schipper |
| 11:30-11:45 | 1. P. Sefeedpari | 4. I. Lloyd | 7. C. Hendriks | 10. C. Redmond |
| 11:45-12:00 | 2. F. Dela Pierre | 5. L. Lassaletta | 8. F. Levavasseur | 11. A. Castro-Castellon |
| 12:00-12:15 | 3. E. Dinuccio | 6. D. Fangueiro | 9. J. Langley-Randall | 12. T. Geidel |

| Nr. | Author | Title |
|---|---|---|
| 1 | P. Sefeedpari | Measurement of ammonia and methane emissions from pig farms with an outdoor run |
| 2 | F. Dela Pierre | Quantification of NH3 and NMVOC emissions after raw and acidified pig slurry field application. |
| 3 | E. Dinuccio | Mitigating ammonia and nitrous oxide emissions from cattle digestate band application using nitrification inhibitors in permanent grasslands |
| 4 | I. Lloyd | Evaluating the agronomic and environmental impacts of slurry and digestate separation: A rapid evidence assessment |
| 5 | L. Lassaletta | Reducing nitrogen waste through crop and livestock reconnection |
| 6 | D. Fangueiro | Environmental risk and potential phytotoxicity assessment of acidified slurry applied to soil |
| 7 | C. Hendriks | A modelling approach on the current nutrient and carbon budgets of agricultural soils in Europe |
| 8 | F. Levavasseur | Effects of 25 years of repeated application of urban composts on soil quality |
| 9 | J. Langley-Randall | Slurry acidification: Impact on soil health – A UK perspective from multi-site, multi-year field experiments |
| 10 | C. Redmond | Duckweed Cultivation on Dairy Soiled Water: A Sustainable Alternative Protein Crop. |
| 11 | A. Castro-Castellon | Revealing the potential nutrient, ecotoxin and pathogen risks to freshwaters from livestock excreta |
| 12 | T. Geidel | Accepting and rejecting: Preferences of citizens and farmers along the Rhine Basin to reduce nutrient runoff into the Wadden Sea |

# Poster presentations

**Please note: posters of the theme 'agronomic value' and 'soil quality' will be placed in the dining hall (ground floor), and posters in all other themes will be in Expert street 11 (first floor).**

| Nr | Title | Author | Theme |
|---|---|---|---|
| 1 | Validation of bio-based fertilisers from fruit and vegetable waste in European and Colombian field trials | F. Amery | Agronomic value |
| 2 | Hollow Fibre Membrane Contactors mass transfer shell side in ammonia recovery from agricultural manure | N. Azizi | Agronomic value |
| 3 | Benefits of bio-based fertilisers despite yield penalties under future climate scenario | L. Bergenhuizen | Agronomic value |
| 4 | "Fulvic and Humic-like compounds" from biomass as biostimulant: understanding the biostimulant mechanisms to reach a new way to close the organic matter cycle. | D. Bona | Agronomic value |
| 5 | Biomethane yield from industrial pig slurry and vinasse anaerobic co-digestion: Mathematical study. | B. Cañadas | Agronomic value |
| 6 | Agronomic value of raw and processed organic fertilisers | K. D'Haene | Agronomic value |
| 7 | Fertilisation with chicken manure from hens fed with macroalgae – Fate of arsenic and iodine | S. Eich-Greatorex | Agronomic value |
| 8 | Exploring the consistency and sensitivity of NUE indicators in arable long-term experiments | C. Epper | Agronomic value |
| 9 | Energy and nutrient potential of plant protein harvest residues | S. Ervasti | Agronomic value |
| 10 | Insect frass use as ryegrass fertilizer in distinct soils | C. Esteves | Agronomic value |
| 11 | Effects of manure application on the performance of 'Gala' apple trees: a two-year study | D. Fangueiro | Agronomic value |
| 12 | Capacity of slurry pits on dairy farms in Galicia | M. I. García Pomar | Agronomic value |
| 13 | Unraveling the microbial composition and functionality of compost extracts used as an effective and sustainable alternative to chemical inputs. | M. M. Jurado | Agronomic value |
| 14 | Full-Scale Slurry Tank Sampling: Effects of Sampling Strategy and Sample Storage on Measured Physical and Chemical Properties | J. Nørlem Kamp | Agronomic value |
| 15 | Using bioslurry and Bioslurry Enriched Compost to boost yields and improve soils:<br>perspectives for East Africa | H. Langeveld | Agronomic value |
| 16 | Anaerobic digestate: a promising organic fertiliser for smallholder farmers in West Africa | H. Langeveld | Agronomic value |

| | | | |
|---|---|---|---|
| 17 | Agronomic potential of compost extracts: Microbiological characterization and effects on plant growth | D. Lorente-Escánez | Agronomic value |
| 18 | "Soil improver N mineralization predictor", a Farmmaps application to predict nitrogen mineralization from organic fertilizer based on the SNOMIN model | B. Maestrini | Agronomic value |
| 19 | Composting strategies with WWTP and DWTP sludge in a closed system: the case of EMASESA's Plant in Seville (Spain) | E. Molina | Agronomic value |
| 20 | Valorization of wine industry residues through sustainable processes: composting vs vermicomposting | E. Molina | Agronomic value |
| 21 | Scalable assessment of sustainable by-product bioconversion processes for fertiliser production. | R. Ramos Bueno | Agronomic value |
| 22 | Physical attributes of common pelletized bio-based fertilizers in EU | A-M. Seppänen | Agronomic value |
| 23 | Fertilizer quality in source-separated dairy cattle systems | H. Smit | Agronomic value |
| 24 | Nutrient-concentrated liquid fraction from pig slurry as an alternative fertilizer for rainfed wheat; impact on production and grain quality | P. Solé | Agronomic value |
| 25 | Evaluation of bioactive extracts from olive oil mill wastewater sludge in the agri-food sector: phytopromoting and phytoprotective effect | F. Suárez-Estrella | Agronomic value |
| 26 | Olive mill wastewater sludge composting enhanced through biochar and phenolic degrading microorganisms Inoculation | J. A. Sáez | Agronomic value |
| 27 | How to manage beef cattle manure in farm? A proposal for optimized composting in Mediterranean environment | J. A. Sáez | Agronomic value |
| 28 | Precipitation of carbonates in digestates with CaCl2 before separation can reduce the amount of sulphuric acid needed for acidification of the liquid fraction | P. Sørensen | Agronomic value |
| 29 | Evaluating the phosphorus release efficiency of duo-biochar to spring wheat | C. Van Midden | Agronomic value |
| 30 | Effectiveness of Mg-modified willow based biochar on phosphorus sorption, plant growth and leachate of perennial ryegrass | S. Vitsa | Agronomic value |
| 31 | Effect of liquid-separated dairy manure in a sugar beet rotation with maize and soybean | M. Wilson | Agronomic value |
| 32 | Accounting for legacy fertilizer values in soils long-term receiving animal manures for 4R nutrient management | T. Zhang | Agronomic value |
| 33 | Soil properties and crop growth as affected by co-application of biochar and paper mill biosolids | N. Ziadi | Agronomic value |
| 34 | Municipal waste management through decentralised composting: advantages and limitations of these emerging composting models | C. Álvarez Alonso | Agronomic value |
| 35 | Effects of recovered P fertilisers from sewage sludge and P solubilizing bacteria inoculation on a Lactuca sativa crop | C. Álvarez Alonso | Agronomic value |
| 36 | U.S. Manure Nutrient Trends (2012-2022) | M. Wilson (N. Bohl Bormann) | Agronomic value |

| | | | |
|---|---|---|---|
| 37 | Biothermal treatments applied to beer bagasse: composting and vermicomposting | A. Rosal (M. del Valle Palenzuela) | Agronomic value |
| 38 | Study on the incorporation of hydrolysed sludge in co-composting processes: the case of EMASESA. (Seville, Spain) | A. Rosal (M. del Valle Palenzuela) | Agronomic value |
| 39 | Characterization of pig slurry by productive category in Galicia (Spain) | M. I. García Pomar (R. Besteiro Doval) | Agronomic value |
| 40 | Advancements in biogas digestate management: Multi-step separation for nutrient recovery and environmental sustainability | M. Ghorbani | Agronomic value |
| 41 | Efficacy of on-farm screw and screen-press slurry separators on the composition of separated liquid and solid cattle slurry fractions | A. Pinder | Agronomic value |
| 42 | Hydrothermal Carbonization of Liquid Dairy Manure: A Sustainable Approach for Phosphorus Recycling via Hydrochar | L. Chen | Agronomic value |
| 43 | Coagulation/flocculation treatment of pig slurry using tannin- based polymer for subsequent microalgae growth | L. Escudero Campos | Agronomic value |
| 44 | Growth of autochthonous microalgae in pig effluent after a nitrification - denitrification process: a case study in Castilla y León (Spain). | L. Escudero Campos | Agronomic value |
| 45 | Exploring sustainable fungicides against Fusarium culmorum, based on VFAs from cheese whey and wine lees | M. C. García-González (B. Molinueva Salces) | Agronomic value |
| 46 | Future-proof composts and soil amendments to cope with intensified droughts | L. Baert | Soil quality |
| 47 | Impact of soil amendments from food industry by-products on maize and winter wheat development<br>and selected soil quality parameters – findings of a 2-year field experiment | A. Bauerle | Soil quality |
| 48 | Effects of seaweed fertiliser on perennial ley | J. Cabell | Soil quality |
| 49 | Antifungal Potential Evaluation of Chitosan-Silver Nanoparticles Synthesized via Microwave Radiation and One-Pot Reduction Methods | A. Hosney | Soil quality |
| 50 | Multi-Year Soil Health Data Relating to Manure Land Application in Missouri | T. Lim | Soil quality |
| 51 | Assessing the Effectiveness of Amendments in Relation to Soil Properties: A Greenhouse Pot Experiment | M. Luppi | Soil quality |
| 52 | Laboratory assessment of new bio-based fertiliser from fruit and vegetable waste | R. Ramos Bueno | Soil quality |
| 53 | Recycling of food processing residues and the effect on soil health | E. Faurholdt Vistisen | Soil quality |
| 54 | Variation and factors influencing ammonia concentration levels in finishing pig facilities, Ireland | I. Martin Aroh | Air quality |
| 55 | A meta-regression model to estimate the variation in ammonia emission fractions from fertilizer and manure across croplands in China | R. Cao | Air quality |

| | | | |
|---|---|---|---|
| 56 | Ammonia emissions of dairy systems with or without grazing: considering barn, storage and pasture | N. Edouard | Air quality |
| 57 | Measurements of gaseous losses from organic residues as fertilizers | B. Foereid | Air quality |
| 58 | Prediction of the ammonia emission potential based on the ALFAM2 model and meteorological projections for slurry spreading | T. Kupper | Air quality |
| 59 | The influence of changes in production technique on modelled ammonia emissions in Switzerland | T. Kupper | Air quality |
| 60 | Mitigating ammonia emissions from pig farms implementing source-oriented measures | C. Levrault | Air quality |
| 61 | Ammonia emissions from separated cattle slurry fractions following land application | I. Lloyd | Air quality |
| 62 | Estimating the efficacy of low emissions slurry spreading (LESS) methods and slurry acidification at ammonia (NH3) reduction under temperate grassland conditions in Ireland | J. Mcilroy | Air quality |
| 63 | Management of nitrogen in nutrition of Italian heavy pig to reduce excretion and emissions | G. Moscatelli | Air quality |
| 64 | Air fresher captures ammonia in pig farm and improves animal health | A. Moure Abelenda | Air quality |
| 65 | Effect of nitrification inhibitors mixed in field applied organic slurries on ammonia emissions under conditions of Central Europe | A. Pacholski | Air quality |
| 66 | Evaluation of application and treatment options for reducing ammonia emissions from field-applied slurry digestate | J. Pedersen | Air quality |
| 67 | NOx and N2O emissions following RENURE, organic and inorganic fertilizer application to clay soils | J. van Waaij | Air quality |
| 68 | Development of microbial inoculant consortia for sustainable pig slurry treatment | F. Suárez-Estrella (M. Jose Lopez) | Air quality |
| 69 | Evaluating Four Configuration Systems for NH3 Emission Reduction and Nitrogen Recovery as | M. C. García-González (B. Molinuevo-Salces) | Air quality |
| 70 | Nitrous oxide emission from fertilised temperate grassland: a comparison of cumulative emissions determined by automatic and static chamber methods | A. Agyemang Duah | GHG emissions |
| 71 | Can diet influence methane emissions from the manure of dairy cows? | H. Wilson Ambrose | GHG emissions |
| 72 | Quantification of enteric methane in cattle fed with high-grain, low-grain, and pure-grain diets | B. Amâncio | GHG emissions |
| 73 | Greenhouse Gas and Ammonia Emissions from Manure Storage: Impact of Slurry Separation and Treatment Strategies | P. Brassard | GHG emissions |
| 74 | Modelled effect of storage tank size on methane emission and temperature dynamics in manure | F. Dalby | GHG emissions |
| 75 | Organic matter degradation dynamics in cattle manure: Effect of diet and storage temperature | F. Dalby | GHG emissions |

| | | | |
|---|---|---|---|
| 76 | Can diet influence methane emission from manure from dairy cows? | F. Dalby | GHG emissions |
| 77 | Methane emission from digestate storage as impacted by temperature and acidification | C. Dold | GHG emissions |
| 78 | Low dose acidification of full-scale slurry storage tanks mitigating methane emissions | P. Garcia Perez | GHG emissions |
| 79 | Effects of charcoal powder addition on temperature and greenhouse gas emission during high-moisture cow manure composting | D. Hanajima | GHG emissions |
| 80 | Measuring ammonia and greenhouse gas emissions from pilot-scale slurry storage tanks | J. Nørlem Kamp | GHG emissions |
| 81 | Gaseous Nitrogen losses from slurry application – effect of mitigation measures | J. Kühne | GHG emissions |
| 82 | Evaluation of a Low-Cost Wireless Sensor Network for CO2 Measurements in a Dairy Barn. | B. Macartan | GHG emissions |
| 83 | N2O and NO emissions from winter wheat crop under organic-mineral fertilization | A. Monistrol | GHG emissions |
| 84 | Greenhouse gas balance of biochar mixed farmyard manure applied grassland in Nasu, Japan | A. Mori | GHG emissions |
| 85 | Greenhouse gas and ammonia emissions from fattening and sow pig houses in Spain | A. Perea-Cachero | GHG emissions |
| 86 | Methodologies for measuring greenhouse gasses and ammonia emissions along the manure management chain | A. Perea-Cachero (N. Mateo-Marín) | GHG emissions |
| 87 | Measuring the effect of feeding sainfoin (Onobrychis viciifolia) silage on methane emissions in a naturally ventilated dairy housing using a case-control approach | S. Schrade | GHG emissions |
| 88 | Integrated emission mitigation solutions through innovative housing and manure management systems in pig farming | P. Sefeedpari | GHG emissions |
| 89 | Assessing the effect of long-term reduced tillage on N2 and N2O emissions – an incubation experiment | J. Stenfert Kroese | GHG emissions |
| 90 | Design and implementation of a modified semi-continuous simulation technique to assess enteric methane mitigation in ruminants | T. Timm | GHG emissions |
| 91 | Agro-industrial by-products valorisation by Lentinula edodes bioconversion for ruminant feeding: in vitro effects on ruminal fermentation and greenhouse gases emissions | T. Timm | GHG emissions |
| 92 | Enhancing Methane Emission Estimates from Manure Management: A Comparative Analysis of IPCC Guidelines and Methodological Approaches | J. Mi Triolo | GHG emissions |
| 93 | Enhancing Energy Efficiency and Methane Emission Reduction in Pig Manure-Based Biogas Production | J. Mi Triolo | GHG emissions |
| 94 | Loss of biogas potential in the first three days after excretion of dairy cow and pig manure | E. van Boxmeer | GHG emissions |

| | | | |
|---|---|---|---|
| 95 | No reduction of annual N2O emission by nitrification inhibitor DMPP added to Cattle Slurry and Ammonium Sulphate Nitrate - a multisite comparison | A. Wonneberger | GHG emissions |
| 96 | FAMT, a Farm Ammonia Mitigation Tool to quantify farm specific mitigation options | C. Dekker | Integral analysis |
| 97 | Investing in mini-livestock production for food security and carbon neutrality in China | Z. Bai | Integral analysis |
| 98 | Bio-methanization Digestate as Animal Bedding: A New Strategy Towards a Circular Canadian Agriculture | J. Palacios | Integral analysis |
| 99 | Agronomic benefits and challenges of using anaerobically treated pig slurry on agricultural soils in Córdoba, Argentina | V. Pegoraro | Integral analysis |
| 100 | Addressing Pathogen Impact in Life Cycle Assessment: Nationwide spatially explicit characterization factor for organic fertilisation | P. Piveteau | Integral analysis |
| 101 | Towards climate-neutral agriculture: Integrating site-specific nitrogen fertilization recommendations and soil organic carbon dynamics – A case study for Swiss organic mountain farms | E. Tanner | Integral analysis |
| 102 | Integrated monitoring of manure management to implement best practices in Italian dairy cow farms | P. Lavazzo (A. Finzi) | Integral analysis |
| 103 | APIVALE, a scientific consortium for an integrated approach of organic effluent recycling and valorisation | F. de Quelen | Integral analysis |
| 104 | Limit DGGAS project: Livestock manure digestate treatments to reduce GHG and NH3 emissions and meet crop nutrients requirement | E. Scotto di Perta (A. Alessandra) | Integral analysis |
| 105 | EULED: an Investigation in sharing Emission Data across partners | Q. Peeters | Policy and regulation |
| 106 | Enhancing compost quantity and quality by improved kitchen waste collection: Results from multi-storey buildings in two Residential Areas in the City of Lübeck | L. Raisfirooz | Policy and regulation |
| 107 | Zero ammonia emission on Dutch acidic soils with sustainable use of acidification | M. Toft | Policy and regulation |
| 108 | Extraction of ammonium bicarbonate from raw cattle slurry | A. Moure Abelenda | Water quality |
| 109 | Sustainable optimization of nutrient budgets and co-benefits for other pollutants to ensure clean water | C. Ellerkamp | Water quality |
| 110 | A potential future slurry management approach for Northern Ireland | C. Johnston | Water quality |
| 111 | Ammonium Dominated Liquid Fertilizer Injection (CULTAN) Contributes to Lower N Leaching While Maintaining Yield | F. Liebisch | Water quality |
| 112 | Lessons-learned from long-term phosphorus experiments on permanent grassland | I. Regelink | Water quality |
| 113 | New integrative approaches for sufficient clean water in the Mediterranean Agro-Hydro-System | J. Renovell Sala | Water quality |
| 114 | Modelling agricultural plastic mulching: lessons from rivers in Europe and China | A. Ural-Janssen (I. Micella) | Water quality |