Tuesday, 24 July 2018

from 07.00  Registration (Registration is also possible on Monday, July 23 from 15:00 to 19:30)
08.30-09.00  Opening ceremony

Advances in Silage Research I
09.00-09.30  J.M. Wilkinson/R.E. Muck: The future of ensiling: Challenges and opportunities
09.30-09.45  P. Schmidt: Carbon absorption in silages: a novel approach in silage microbiology
09.45-10.00  G. Copani: First estimation and validation of a new model to predict dry matter loss based on temperature changes – I. A meta-analysis study
10.00-10.30  Coffee

Advances in Silage Research II
10.30-10.45  M. Franco: Grass silage for biorefinery – A meta-analysis of silage factors affecting liquid-solid separation
10.45-11.00  J. Nair: Impact of application of foliar fungicide on ensiling properties, feed value and microbiome of barley silage

11.00-12.30  Poster Session
  •  Advances in Silage Research
  •  Economics
  •  Miscellaneous
  •  Silage Technology and Management

12.30-13.30  Lunch

Economics and Technology
13.30-14.00  E. Bahrs: Economical evaluation of silages
14.00-14.30  D. Davies/G. Borreani: New technologies to monitor and improve silage quality from field to feed-out
14.30-14.45  I. De Oliveira: A new approach to assess feed-out rate in maize silage bunker
14.45-15.00  C. Maack: Compaction and particle size distribution of maize (Zea mays L.) as affected by dry matter, chop length and intensity of kernel processing
15.00-15.15  A. Johansen: Effect of kernel processing and acid treatment on fermentation characteristics and nutritive value of whole crop wheat silage
15.15-15.45  Coffee and Poster
15.45-16.45  Poster Session
  •  Advances in Silage Research
  •  Economics
  •  Miscellaneous
  •  Silage Technology and Management

Microbiology I
16.45-17.15  J.P. Tamang: Global fermented foods: Ethno-microbiology to next generation sequencing
17.15-17.30  K. Le Cocq: Estimating fungal biomass during aerobic spoilage of silage
17.30-17.45  X.S. Guo: Modulation of bacterial community and metabolome in whole crop corn silage by inoculating homofermentative Lactobacillus plantarum and heterofermentative Lactobacillus buchneri
17.45-18.00  G. Borreani: Uncorrected silo management increases the risk of contamination of the milk production chain with Clostridium spp. and Paenibacillus spp.
Wednesday, 25 July 2018

**Statistics and Experimental Design**

8.30-9.00  B. Kroschewski: Statistics and experimental design in silage research

**Emissions and Volatile Organic Compounds**

09.00-09.30  S. Hafner: Volatile organic compounds: sources, emission and mitigation

09.30-09.45  K. Weiß: Formation of volatile organic compounds during the course of maize fermentation depending on sealing time and silage additive use

09.45-10.00  K. Gerlach: Volatile organic compounds in silages – possible effects on intake and metabolism by ruminants and quality of ruminant products: a review

10.00-10.30  Coffee

**By-Products**

10.30-10.45  H.U. Auerbach/M. Schneider: Effects of dry matter, silage additive and bagging technology on fungal counts and aerobic stability of pressed sugar beet pulp silage

10.45-11.00  L.F. Ferraretto: Dry matter loss, fermentation profile and aerobic stability of wet brewers grains ensiled with or without increasing concentrations of dry ground corn

11.00-12.30  **Poster Session**

- Emissions and Volatile Organic Compounds
- Silage Additives

12.30-13.30  Lunch

**Silage Additives**

13.30-14.00  T.M. Pauly/U. Wyss: Methodology of ensiling trials and effects of silage additives

14.00-14.15  S.D. Martens: Protein degradation during ensiling comparing tannin extracts to conventional additives exemplified by lucerne (Medicago sativa)

14.15-14.30  P.A.R. Salvo: Fibrolytic enzyme enhances feed efficiency of Nellore bulls when added to ensiling on corn-based silages

14.30-14.45  N. Lau: Impact of grass silage with high levels of propylene glycol on ketosis prophylaxis during transition phase and early lactation

14.45-15.00  A. Halmemies-Beauchet-Filleau: Effect of wilting and additives on fatty acid composition of red clover silage

15.00-15.30  Coffee and Poster

15.30-16.30  **Poster Session**

- Emissions and Volatile Organic Compounds
- Silage Additives

**Fermented Feeds for Non-Ruminants**

16.30-17.00  K. Schedle: Fermented feed for pigs and poultry

17.00-17.15  M. Rinne: Grass silage for biorefinery – Palatability of silage juice for growing pigs and lactating cows

19.00-….  Conference Dinner
Thursday, 26 July 2018

Silage Feeding and Utilization I
08.30-09.00  K. Kalscheur: Utilization of silages in the diets of high producing dairy cows: Limitations and opportunities
09.00-09.30  J. Daniel: Production and utilization of silages in tropical areas
09.30-09.45  Å. T. Randby: Effect of processing of whole crop wheat silage on digestibility by cows
09.45-10.00  J. Castro-Montoya: Finding a consensus on the effects of tropical legume silages on intake, digestibility and performance in ruminants: A meta-analysis
10.00-10.30  Coffee

Silage Feeding and Utilization II
10.30-10.45  J.-H. Speit: Effects of shredlage and long cut maize silage on dry matter intake and performance of dairy cows
10.45-11.00  T.C. da Silva: Evaluation of stylosanthes silage with varying concentrate levels in diets for beef cattle: intake and digestibility
11.00-12.30  Poster Session
- Fermented Feeds for Non-Ruminants
- Microbiology
- Silage Feeding and Utilization
12.30-13.30  Lunch
13.30-14.30  Poster Session
- Fermented Feeds for Non-Ruminants
- Microbiology
- Silage Feeding and Utilization

Microbiology II
14.30-15.00  T.A. McAllister: Molecular techniques to develop additives and characterize the microbial ecology of silages
15.00-15.15  E. Nadeau: Comparison between a Clostridium tyrobutyricum-specific quantitative polymerase chain reaction (qPCR) method and a traditional method for determining total spore-forming bacteria in clover-grass silage
15.15-15.30  J.J. Romero: Bacterial and fungal population dynamics, fermentation, and aerobic stability of conventional and BMR corn hybrids ensiled at low moisture with or without a homo- and hetero-fermentative inoculant
15.30  Closing Ceremony