

# XVIII International Silage Conference, Bonn, Germany

## Tentative Timetable



### 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
	<b>Advances in Silage Research I</b>
09.00-09.30	<b>J.M. Wilkinson/R.E. Muck: The future of ensiling: Challenges and opportunities</b>
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
	<b>Advances in Silage Research II</b>
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	<b>Poster Session</b> <ul style="list-style-type: none"><li>• Advances in Silage Research</li><li>• Economics</li><li>• Miscellaneous</li><li>• Silage Technology and Management</li></ul>
12.30-13.30	Lunch
	<b>Economics and Technology</b>
13.30-14.00	<b>E. Bahrs: Economical evaluation of silages</b>
14.00-14.30	<b>D. Davies/G. Borreani: New technologies to monitor and improve silage quality from field to feed-out</b>
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 ( <i>Zea mays</i> 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	<b>Poster Session</b> <ul style="list-style-type: none"><li>• Advances in Silage Research</li><li>• Economics</li><li>• Miscellaneous</li><li>• Silage Technology and Management</li></ul>
	<b>Microbiology I</b>
16.45-17.15	<b>J.P. Tamang: Global fermented foods: Ethno-microbiology to next generation sequencing</b>
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 <i>Lactobacillus plantarum</i> and heterofermentative <i>Lactobacillus buchneri</i>
17.45-18.00	G. Borreani: Uncorrected silo management increases the risk of contamination of the milk production chain with <i>Clostridium</i> spp. and <i>Paenibacillus</i> spp.

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### 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

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**Thursday, 26 July 2018**

	<b>Silage Feeding and Utilization I</b>
08.30-09.00	<b>K. Kalscheur: Utilization of silages in the diets of high producing dairy cows: Limitations and opportunities</b>
09.00-09.30	<b>J. Daniel: Production and utilization of silages in tropical areas</b>
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
	<b>Silage Feeding and Utilization II</b>
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	<b>Poster Session</b> <ul style="list-style-type: none"><li>• Fermented Feeds for Non-Ruminants</li><li>• Microbiology</li><li>• Silage Feeding and Utilization</li></ul>
12.30-13.30	Lunch
13.30-14.30	<b>Poster Session</b> <ul style="list-style-type: none"><li>• Fermented Feeds for Non-Ruminants</li><li>• Microbiology</li><li>• Silage Feeding and Utilization</li></ul>
	<b>Microbiology II</b>
14.30-15.00	<b>T.A. McAllister: Molecular techniques to develop additives and characterize the microbial ecology of silages</b>
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