

6th HEFagrar PhD Symposium
April 28, 2020
Programme

Plenary Session I

9:00 Welcome, organizational aspects/recommendations of conduct

9:15 T1: Akane Chiba [HelmholtzZentrum München, Comparative Microbiome Analysis]
Earthworms improve P mobilization in subsoil by promoting copiotrophic bacterial community

9:35 T2: Felizitas Winkhart [TUM, Ecological Cultivation]
Nitrous oxide emissions from a long term field experiment manured with biogas digestate

9:55 T3: Alessandro Brambilla [HelmholtzZentrum München, Biochemical Plant Pathology]
Plant-to-plant propagation of innate immunity via VOCs

10:15 T4: Marie-Therese Bleicher [TUM, Restoration Ecology]
Light reduction as a weed control strategy

10:35 BYO* Coffee Break 20 min (*"bring your own")

10:55 T5: Sylvia Kuenz [TUM, Animal Nutrition]
Impact of malted wheat on growth and slaughter performance of slowly growing broiler chickens

11:15 T6: Verena Mückenhausen [TUM School of Management]
Using a choice-based conjoint analysis on regional food to explore consumers' preference for detailed indication of product origin

11:35 "Elevator pitches" -> poster introductions (2 min each), P1 – P9

12:05 Voting "Best Talk", "Best Pitch" => results and awards at end of symposium

12:20 BYO lunch break 70 min (opportunity to visit posters and post questions)

Meeting in Plenum at 13:30

13:30 Organizational issues, explaining further proceeding

Non-Plenary Session

Poster discussion in breakout sessions A + B

13:45 Breakout Session A

30 min, posters 1-4 in 4 parallel rooms, moderated discussions, change of rooms within the session possible

P 1 Bastian Zwack [LfL, Organic farming, Soil and Resource Management]
Moor-KULAP: development of agri-environmental measures for fen meadows with drain management and forage production

P 2 Thomas Mösl [TUM, Ecological Cultivation]
Analysis of organic matter balances and yield performance of organic and conventional cultivation systems

P 3 Michaela Kaspar [TUM, Ecological Cultivation]
Methods for the optimization of French fry potato quality

P 4 Adebimpe Adedeji-Badmus [TUM, Biotechnology of Horticultural Crops]
*Establishing tools and resources for the domestication of *Crassocephalum* species, orphan crops with high importance in sub-Saharan Africa*

14:15 Breakout Session B

35 min, posters 5 -9 in 5 parallel rooms, moderated discussions, change of rooms within the session possible

P 5 Sebastian Schramm [TUM, Biotechnology of Horticultural Crops]
*Pyrrrolizidine alkaloid biosynthesis in *Crassocephalum**

P 6 Veronica Ramirez [TUM, Biotechnology of Horticultural Crops]
The Role of Brassinosteroids and Applications in improving Disease Resistance, Yield Quality and Stability in Sunflower TILLING populations

P 7 Aniela Honig [TUM, Animal Nutrition]
Effects of dietary energy concentration and final weight on the body composition of Fleckvieh bulls

P 8 Florian Riepl [TUM, Animal Nutrition]
Can rumen-protected Lysine partially compensate for Nitrogen deficiency in young Fleckvieh bulls?

P 9 Mandana Moshrefzadeh [TUM, Geoinformatics, HEF]
Information Management and Integration for Smart Cities and Regions – The Smart Rural Areas Data Infrastructure (SRADI)

Plenary Session II

14:50 **Voting “Poster”** => results and awards at end of symposium

15:00 **Dr. Mascha Gugganig** [Munich Center for Technology in Society]
Sustainable Agriculture in the context of innovation and technology

15:25 **Carmen Baur** [Tum ForTe]
Founding in the area of food and agtech: What does TUM offer for founders?

15:35 **Pitch-presentations by start-ups**

- FarmInsect: Disrupting the feed supply chain with local insect production
- TreeSense: Smart irrigation technology
- Rumex: automated sorrel extraction

16:20 **Awards for “Best Talk”, “Best Pitch” & “Best Poster”**
Feedback round
“Thanks you”s & “Good Bye”s