

PhD-Days at ATB Potsdam, November 2020, room Z003/Z004

Wednesday, 11 November

Time	Topic	Speaker	Supervisor ATB	Supervisor University
9:00	Welcome	Prof. Barbara Sturm Dr. Ulrike Praeger		
9:10	Sensor-based determination of the fruit bearing capacity in <i>Malus x domestica</i> BORKH. aimed at precise crop load management	Martin Penzel	Dr. habil. Manuela Zude	Prof. Cornelia Weltzien, TU Berlin Prof. Henryk Flachowsky, JKI/MLU Halle
9:35	Monitoring the growth of strawberry plants by means of LiDAR laserscanner	Kowshik Saha	Dr. habil. Manuela Zude	Prof. Cornelia Weltzien, TU Berlin
10:00	Development of modular intelligent system for controlled-environment storage of fresh produce	Nandita Keshri	Dr. Pramod Mahajan	Prof. Cornelia Weltzien, TU Berlin
10:25	Break			
10:45	PhDs in the context of the FACCE EraNet projects CEDERS, MilKey, MELS and M4Models	Prof. UZ Barbara Amon		
10:50	Modelling the impact of feeding management on greenhouse gas and nitrogen emissions in cattle farming systems	Latifa Ouatahar	Prof. UZ Barbara Amon	Prof. Jürgen Zentek, FU Berlin Prof. Thomas Amon, FU Berlin
11:05	Mitigating GHG and ammonia emissions from livestock systems: a meta-analysis	Gültaç Çinar	Prof. UZ Barbara Amon	Prof. Thomas Amon, FU Berlin
11:20	Analysis of the sustainability of dairy farms in the key regions of the European Union: integrating the three pillars of sustainability	Xabier Díaz de Otálora Aguirre	Prof. UZ Barbara Amon	Prof. Fernando Estellés, Uni Valencia
11:35	Assessment of the influencing factors of methane emissions from liquid livestock manure management systems combining experiments and modelling	Julio Hilgert	Prof. UZ Barbara Amon	Prof. Thomas Amon, FU Berlin
11:50	Combined discussion of previous 4 presentations			
12:15	Break			

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13:15	Qualification for PhD researchers at ATB – external and internal offers	Dr. Ulrike Praeger		
13:30	Influence of lying and standing behavior on the core body temperature of dairy cows	Sebastian Scappini	Dr. Gundula Hoffmann	Prof. Thomas Amon, FU Berlin Prof. Wolfgang Heuwieser, FU Berlin
13:55	Who is influencing whom, and how in river basin governance?	Naser Reyhani	PD Dr. Philipp Grundmann	PD Dr. Philipp Grundmann, HU Berlin
14:20	The effect of best crop practices in the pig and poultry production on water productivity in a Southern Brazilian watershed	Sofia Zanella Carra	PD Dr. Katrin Drastig	PD Dr. Katrin Drastig, HU Berlin
14:45	Identification of plant indicator species for high biodiversity in grassland using remote sensing imagery: a multi-label classification problem in deeplearning	Deepak Hanike Basavegowda	Prof. Cornelia Weltzien	Prof. Cornelia Weltzien, TU Berlin
15:10	Break			
15:30	Alumni report on their career after doctorate at ATB	Dr. Lukas Scholz, Gemüsering Thüringen, Erfurt Dr. Theresa Kabakeris, Julius Kühn-Institut, Kleinmachnow Dr. Jörn Budde, Umweltbüro Evangelische Kirche, Berlin		
16:30	Get together			

Thursday, 12 November

9:00	Quality and safety of insects as food and feed: novel technology and tools for their evaluation	Giacomo Rossi	Dr. habil. Oliver Schlüter	
9:25	Microbial communities in biogas reactors	Katharina Willenbücher	Dr. Thomas Hoffmann	Prof. Ulrich Szewzyk, TU Berlin
9:50	Anaerobic digestion of sorghum silages in Batch, CSTR and a two-stage-digestion system	Andrea Marina Pasteris	Dr. Monika Heiermann	Prof. Ulrich Szewzyk, TU Berlin
10:15	Break			
10:35	Biological background of stand retting of hemp straw for high quality fibers	Morris Angulu	Dr. Hans-Jörg Gusovius	Prof. Martin Hofrichter, TU Dresden
11:00	HTC process for treating high saline biomass. Where are the inorganics going?	Daniela Moloeznik Paniagua	Dr. habil. Judy Libra	Prof. Vera Rotter, TU Berlin
11:25	Kinetic modeling of the hydrothermal carbonization of complex feedstocks such as animal manures	Nader Marzban	Dr. habil. Judy Libra	Prof. Vera Rotter, TU Berlin
11:50	Closing remarks			