

Program INSECTA® in Magdeburg



TUESDAY SEPTEMBER, 7

Get-together

WEDNESDAY SEPTEMBER, 8

8.00 **Start of on-site registration**

9:00		<i>Dr. Sara Hadjiali</i>	Welcome to Magdeburg
9:10		<i>Tino Sorge (CDU)</i>	Greetings
9:20	keynote	<i>Nils Th. Grabowski</i>	Veterinary duties in productive insects
9:50	keynote	<i>Nanna Roos</i>	Insect farming for better nutrition, health and livelihoods in Africa
10.20	<i>company presentation</i>	<i>Jesus González</i>	Phileo by Lesaffre, Marcq-en-Baroeul, France

10:30 -11:00 **Coffee break, poster exhibition**

MAIN STAGE

INSECT WELFARE AND HEALTH

11:00	<i>Itai Opatovsky</i>	The superpower of fungi: unraveling their metabolic effects on black soldier fly larvae
11:20	<i>Jesus González</i>	Zotechnical performance improvement by Live Yeast Probiotics on Black Soldier Fly Fed (<i>Hermetia illucens</i>)
11:40	<i>Thomas Klammsteiner</i>	Individual density and rearing scale influence temperature profiles during black soldier fly rearing

GALLERY STAGE

PROCESSING FOR FOOD AND FEED

<i>Bernd Pütz</i>	Dry Processing of Insects – How does it work in Theory and Praxis
<i>Luc Sweers</i>	The potential of dry fractionation for insect processing
<i>Maryia Mishyna</i>	Fractionation of lesser mealworm (<i>Alphitobius diaperinus</i>) and characteristics of a cream layer



WEDNESDAY SEPTEMBER, 8

MAIN STAGE			GALLERY STAGE	
INSECT WELFARE: MICROORGANISM IN FARMING			NON-FOOD APPLICATION OF INSECTS	
12:05	<i>Laurence Auger</i>	Host microbiota profile, interactions, and vertical transmission across two generations of <i>Hermetia illucens</i>	<i>Piotr Bulak</i>	The use of insect for cleaning the environment: entomoremediation
12:25	<i>Ellen Gorrens</i>	Variation in the bacterial community composition of black soldier fly larvae (<i>Hermetia illucens</i>) from consecutive, industrial cycles	<i>Patrick Sudwischer</i>	Development of a method to determine chitin in insect protein meal and insect farming by-products
12:45	<i>Laurens Broeckx</i>	Influence of organic side stream nutritional composition on the performance of <i>Hermetia illucens</i> larvae	<i>Thomas Piofczyk</i>	Extraction of chitosan from insect chitin
13:05 -14:00	lunch break, poster exhibition, sponsor exhibition			
14:05	KEYNOTE (MAINSTAGE) <i>Dr. Mark Benecke</i>			

MAIN STAGE			GALLERY STAGE	
INSECT FARMING AND PRODUCTION SYSTEMS			SAFETY AND ENVIRONMENTAL ASPECTS	
15:00	<i>Nina Kröncke</i>	Determination of moisture, protein and fat content in living mealworm larvae (<i>Tenebrio molitor</i>) by near infrared reflectance spectroscopy (NIRS)	<i>Nathan Meijer</i>	Effects of pesticide residues on insects reared for food and feed
15:20	<i>John Ames</i>	Would An Oat Milk Producing Farm See A (Financial) Bonus To Raising Black Soldier Fly On Its Residues?	<i>Cédric Auriol</i>	The First Novel Food Authorisation for Insect: a historical and necessary milestone for the whole industry
15:40	<i>Franco Honegger</i>	The potential of data in an industrial insect plant	<i>Leen Van Campenhout</i>	Inoculation experiments with food pathogens during insect rearing and during heat treatment of frass
16:00	Coffee break and poster exhibition			



WEDNESDAY SEPTEMBER, 8

GALLERY STAGE			MAIN STAGE	
INSECT FARMING AND PRODUCTION SYSTEMS			TOPIC 8	
16:30	<i>Kriti Shrestha</i>	Results of Long-Term Selective Breeding of <i>Hermetia illucens</i> for Industrial Applications	<i>Giulia Leni</i>	Agro-food leftovers as insect feedstock for producing carotenoid-rich <i>Hermetia illucens</i>
16:50	<i>Sara Bellezza Oddon</i>	Isoenergetic, isonitrogenous, and semi-purified diets for lipid requirement determination in <i>Hermetia illucens</i> larvae	<i>Lennard Pisa</i>	Bioconversion of chicken manure by housefly larvae (<i>Musca domestica</i> L.); larval performance and substrate conversion in relation to sterilization and carbohydrate addition
17:10	<i>Antti Vasala</i>	Bioreactor-based mass cultivation of insect larvae	<i>Lotte Frooninckx</i>	Use of grid to improve egg laying efficiency of <i>Tenebrio molitor</i> beetles
17:30	End of lectures			
19:30	Evening event			

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THURSDAY SEPTEMBER, 9

MAIN STAGE – KEYNOTE LECTURES

9:00	keynote	<i>Alessandro Monaco</i>	Looking for Insects in the Regulatory Forest: Critical Aspects and Challenges Posed by the Regulatory Environment applicable to Insects in the European Union
9:30	keynote	<i>Dennis Oonincx</i>	Sustainability in the insect sector
10:00	<i>company presentation</i>	<i>Stefan Kirchner</i>	GEA

MAIN STAGE

GALLERY STAGE

INSECT PROCESSING FOR FOOD AND FEED

10:15	<i>Nina Parry</i> <i>Chris Weldon</i>	The effect of chicken manure and pre-consumer waste on black soldier fly (<i>Hermetia illucens</i>) larval performance at industrial scale	<i>Lenka Kouřimská</i>	Purines in edible insects and their suitability for people suffering gout
10:35	<i>Anna Valentina Luparelli</i>	Modification in composition of black soldier fly puparium, prepupae and adults after <i>Lactobacillus</i> fermentation	<i>Catriona Lakemond</i>	Benchmarking insects suitability in food supply chains under crisis conditions
10:55	<i>Shahida Anusha Siddiqui</i>	Automated, modular systems for rearing <i>Hermetia illucens</i> larvae – design considerations and sustainability.	<i>Verena Böschen</i>	Boundary conditions in insect engineering (from air humidification to the fractionation to the end product)
11:15	coffee break and poster exhibition			



THURSDAY SEPTEMBER, 9

	MAIN STAGE		GALLERY STAGE INSECT PROCESSING FOR FOOD AND FEED	
11:40	<i>E.F. Hoek – van den Hil</i>	Safety of black soldier fly (<i>Hermetia illucens</i>) larvae reared on different biowaste substrates	<i>Mik Van Der Borcht</i>	Why Black Soldier Fly Larvae Protein Determinations Bug(ged) Researchers
12:00	<i>Ren Sakurai</i>	Target marketing on edible insects' business	<i>Aman Paul</i>	Anti-arthritic activity of black soldier fly (<i>Hermetia illucens</i>) larvae protein derivatives
12:15	<i>Cecilia Lalander</i>	Feasibility of small-scale BSFL composting in the EU	<i>Andreas Baur</i>	Monitoring of <i>Tenebrio Molitor</i> pupae based on Region Based – Convolutional Neural Networks (R-CNN)
13:30	Conclusion	Vdi Best Young Scientists Presentation Award Poster Award Invitation To Next Insecta		
14:00	End of conference			

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