



Meeting of the
Working Group Seed Science and Certification (GPZ/GPW)
Arbeitsgemeinschaft Saatgut- und Sortenwesen (GPZ/GPW)

&

Section IV Seeds (VDLUFA)
Fachgruppe IV Saatgut (VDLUFA)

Topic of the Scientific Seed Symposium:

**“Testing Methods and Research on Seed Quality”
„Prüfungsmethoden und Forschungsansätze zur
Saatgutqualität“**

**10 - 12 April 2018 at
IPK GATERSLEBEN**

Program



PROGRAM

April 10, 2018

09:00 - 12:00 **VDLUFA Board Meeting**

12:00 - 13:00 **Lunch** (optional) selfpaying

12:00 - 13:00 **Registration**

Scientific Seed Symposium

13:00 - 13:15	Andreas Börner, Berta Killermann Germany	Opening Remarks
	Chair: Berta Killermann	
13:15 - 13:50	Keynote: Andreas Wais ISTA Secretary General, Germany	International Seed Testing Association – An update
13:50 - 14:05	Hardy Rolletschek Germany	New testing method for germination-related traits in cereals and oilseeds
14:05 - 14:20	Sebastian Förster Germany	Automated germination analysis for sugar beet seed
14:20 - 14:35	Antje Wolff Germany	Hochdurchsatz-Phänotypisierung an Keimpflanzen zur Keimfähigkeits- und Triebkraftbestimmung bei Zuckerrüben - Erste Erfahrungen mit dem phenoTest, einem voll automatisierten Verfahren
14:35 - 14:50	Wagdi S. Ghaleb France	How long it takes to germinate seeds of gramineous species at low temperature?
14:50 - 15:10	Coffee Break	
	Chair: Ulrike Lohwasser	
15:10 - 16:00	Poster Presentation (Each poster 5 minutes)	

Chair: Andreas Wais

16:00 - 16:15	Andreas Börner Germany	Seed conservation of germplasm in crop genebanks
16:15 - 16:30	Rob van Treuren The Netherlands	Seed viability of ex situ conserved wheat and barley is poorly maintained at 4 °C storage
16:30 - 16:45	Rasha Tarawneh Germany	Genetic background of controlled seed deterioration influenced by drought stress conditions in barley genebank accessions
16:45 - 17:00	Ulrike Lohwasser Germany	Influence of drought stress on seed germination of blue lupin (<i>Lupinus angustifolius</i> L.)
17:00 - 17:15	Annette Büttner-Mainik Switzerland	Morphological and chemical analyses to identify <i>Datura</i> spp. seed on species level
17:15 - 17:30	Torsten Thuenen Germany	Characterisation and long-time survival of <i>Epichloë</i> endophytes in gene bank material
17:45 - 18:45	Visit IPK Genebank, Herbarium, Automatic Phenotyping, Greenhouse	
19:00 - 21:30	Dinner	
21:30	Shuttle to Quedlinburg	

April 11, 2018

08:30	Shuttle to IPK
08:30 - 09:00	Registration

Scientific Seed Symposium

Chair: Andreas Börner

09:00 - 09:35	Keynote: Buzi Raviv Ben-Gurion University of the Negev, Israel	Novel insights into the function of dead organs enclosing embryos of angiosperms
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09:35 - 09:50	Manuela Nagel Germany	Long-term dry storage affect lipid oxidation, tocochromanols and glutathione content
09:50 - 10:05	Marie-Helene Wagner France	Germination rate as an indicator of seed ageing: Adding an early count of radicle protrusion in a standard germination test to assess seed vigour.
10:05 - 10:20	C. Rettinassababady India	Effect of various levels of seed discolouration by seed-borne microflora on rice seed health
10:20 - 10:35	Verena Peterseil Austria	CANNDAT - Development of a reference collection of hemp chemotypes for efficient seed classification to support breeding for agricultural use
10:35 - 10:50	Veerle Derycke Belgium	Effects of storage conditions and humic substances on the germination capacity of wheat and spinach seeds
10:50 - 11:30	Coffee Break / Group Photo	
	Chair: Manuela Nagel	
11:30 - 11:45	Benno Voit Germany	Anfälligkeit von Weizen gegenüber Steinbrand (<i>Tilletia caries</i>) und die Notwendigkeit der ökologischen Weizenzüchtung
11:45 - 12:00	Monika Grundler Germany	Factors influencing the sensitivity of teliospore quantification of <i>Tilletia caries</i> and <i>T. controversa</i> by quantitative real-time PCR (qPCR)
12:00 - 12:15	Somayyeh Sedaghatjoo Germany	Detection of <i>Tilletia controversa</i> using loop-mediated isothermal amplification (LAMP)
12:15 - 12:30	Sophie Mühlberger Germany	Niederdruckplasma als Behandlungsalternative zur chemischen Beize bei Steinbrand (<i>Tilletia caries</i>)
12:30 - 12:45	Andreas Börner Germany	Concluding Remarks
13:00 - 14:00	Lunch (optional) selfpaying	

VDLUFA Workshop

- 13:00 - 14:00 **Small Lunch for Workshop Participants**
- 14:00 - 15:30 **VDLUFA Workshop**
- 15:30 - 15:50 **Coffee Break**
- 15:50 - 18:00 **VDLUFA Workshop**
- 18:00 - 18:45 **Visit IPK**
Genebank, Herbarium, Automatic Phenotyping, Greenhouse
- 19:00 - 21:30 **Dinner**
- 21:30 **Shuttle to Quedlinburg**

VDLUFA Spring Meeting

April 12, 2018

- 08:00 **Shuttle to IPK**
- 08:30 - 10:45 **VDLUFA Spring Meeting**
- 10:45 - 11:00 **Coffee Break**
- 11:00 - 12:45 **VDLUFA Spring Meeting**
- 12:45 - 13:45 **Lunch**
- 13:45 - 14:30 **VDLUFA Spring Meeting**
- 14:30 - 14:45 **Coffee Break**
- 14:45 - 17:00 **VDLUFA Spring Meeting**