
I. ANNOUNCEMENTS**ISSS Workshop on Seed Longevity****SEEDS FOR FUTURE GENERATIONS – DETERMINANTS OF LONGEVITY**

IPK Gatersleben, Germany.

5–8 July, 2015.

Topics

- Seed banking – state of the art
- Role of pre- and post-harvest environmental factors on seed longevity
- Genetics of inter- and intra-specific variation of seed survival
- Physiology and biochemistry behind seed ageing – deleterious effects vs. repair mechanisms

Rationale

Plant genetic resources play a major role for global food security. Worldwide, 7.4×10^6 accessions are stored in about 1,750 *ex situ* genebanks. Because the majority of global genebank holdings are stored as seed, seed longevity is of exceptional importance for germplasm conservation. Great differences between plant species are recognized. In addition, a huge variation within a species is present. However, a deficit exists in understanding the biology behind long and short seed life. A seed longevity workshop will focus on all aspects of seed ageing/conservation, concentrating on the molecular mechanisms of biochemistry, physiology, biophysics, and genetics of seed survival. Hence, the workshop will bring together scientists involved in seed science and seed banking.

With a total inventory of 150,000 accessions of 3,212 plant species and 776 genera, the genebank at IPK in Gatersleben, Germany, holds one of the most comprehensive collections worldwide. Therefore, IPK would be a predestined host for an initial workshop. Summer 2015 may be an appropriate time. The workshop will allow participants to visit the genebank facilities, including the extensive seed regeneration activities (~ 8,000 accessions) in the fields and glasshouses of IPK.

Contact:

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Scientific Committee

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Christina Walters, United States

Local Organizing Committee

Ulrike Lohwasser, Manuela Nagel, Andreas Börner, Martina Liewald, Katrin Menzel, and Uwe Scholz.

EWAC–EUCARPIA Cereals Section International Conference.

Lublin, Poland.
24–29 May, 2015.

We are pleased to announce that the joint EWAC–EUCARPIA Cereals Section International Conference will be held in Lublin, Poland, from 24 to 29 May, 2015. The conference will be a platform to share and exchange scientific experiences with researchers from different countries, focused on cereals genetic studies. During the last few years, we have observed the impressive progress in research concerning plant genetics and genomics, and we hope that this meeting will be an opportunity to discuss where we are now and where we are going to be in the future.

Please indicate your interest in receiving further information about Conference registration and accommodation by filling in the pre-registration form and returning it to the Conference Office via e-mail: ewac2015@up.lublin.pl by 30 September, 2014. Estimated deadline for registration and abstract submission will be February 2015. All details will be published consistently at the official EWAC website: www.ewac.eu. The conference will be held in Lublin – the main scientific and cultural center in Eastern Poland. If you would like to find more information about the city, please visit the official website www.lublin.eu/en.

The conference venue and accommodation place will be the Mercure Lublin Centrum Hotel (part of Accor Hotels) and estimated conference fee is about 550 € for full participation [<http://www.accorhotels.com/gb/hotel-3404-hotel-mercure-lublin-centrum/>].

The travelling information will be published in details in second circular. The citizens of majority of countries do not need a visa to enter Poland, however, if you would like to be sure if you are eligible, please visit Polish Ministry of Foreign Affairs website at http://www.msz.gov.pl/en/p/msz_en/travel_to_poland/entering_poland/.

The International Organizing Committee

Andreas Börner, Krzysztof Kowalczyk, Tatyana Pshenichnikova, John Snape, Victor Korzun, and Michał Nowak.

The Local Organizing Committee

Krzysztof Kowalczyk, Michał Nowak, Justyna Leśniowska-Nowak, Sylwia Okoń, Karolina Dudziak, and Magdalena Zapalska.

We hope you will save the date and look forward to welcoming you to Lublin next year!

In case of any questions concerning the conference, please do not hesitate to contact us at ewac2015@up.lublin.pl

BOOK ANNOUNCEMENT***Rye – Genetics, Breeding & Cultivation, 1st ed.*****by Rolf H.J. Schlegel****ISBN-10: 1466561432; ISBN-13: 978-1466561434, CRC Press, Boca Raton, Taylor & Francis Group, Inc., New York, USA, 2013, pp 385**

Chapter 1 Introduction

Chapter 2 Botany

Origin, Taxonomy and Cytotaxonomy, Gross Morphology, Root System, Seeds, Flowering, Fertilization, and Apomixis, Rye Genebanks and Collections

Chapter 3 Physiology

Life Cycle, Cold Tolerance, Drought Tolerance, Nutrition, In Vitro Behavior, Preharvest Sprouting, Vernalization

Chapter 4 Cytology

Genome Structure, Chromosome Number, Karyotype and Homeology, Chromosome Pairing, Sporogenesis, Primary Aneuploids, Reciprocal Translocations, Genetic Donor for Other Crops

Chapter 5 Genetics

Nomenclature and Designation of Genes, Chromosomal and/or Regional Localization of Genes, Linkages, QTL Mapping, Physical Mapping, Comparative Mapping, Gene Regulation, DNA and Gene Transfer, Glutenin

Chapter 6 Cytoplasm

Cytoplasmic Male Sterility, and Restorer — Cytoplasm, Alloplasmic Rye

Chapter 7 Breeding

Diploid Rye, Tetraploid Rye, Dual-Purpose Rye, Breeding Activities, Varieties, and Institutions Worldwide

Chapter 8 Rye Cropping

No-Till Rye, Seeding, Diseases, Susceptibility, and Resistance, Growth Regulators, Incorporation in Crop Rotation, Allelopathic Effects, Volunteering, and Allergenic Pollen

Chapter 9 Utilization

Nutritional Value, Feeding, Bread Making, Biomass and Biogas Production, Catch Crop, Ethanol Production, Other Uses

Epilogue

References