



BOOK OF ABSTRACTS

First Legume Society Conference
2013: A Legume Odyssey

9-11 May 2013, Novi Sad, Serbia

First Legume Society Conference
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Book of Abstracts

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International Legume Society
Institute of Field and Vegetable Crops, Novi Sad, Serbia
2013

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Technical Editors:
Sanja Mikić and Aleksandar Mikić

ISBN 978-86-80417-44-8

Printed by Abraka Dabra, Novi Sad, Serbia, in 300 copies



Under the auspices of

Ministry of Education, Science and Technological Development
of the Republic of Serbia

Secretariat of the Science and Technological Development
of the Province of Vojvodina

Secretariat of Agriculture, Forestry and Water Management
of the Province of Vojvodina

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Getting the message out: grow, use, feed and eat legumes

Achievements and future perspective for gene transfer from wild relatives to the cultivated species in cool season food legumes

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The following cultivated crop species, chickpea (*Cicer arietinum* L.), lentil (*Lens culinaris* Medik.), pea (*Pisum sativum* L.) and faba bean (*Vicia faba* L.) in the genera *Cicer* L., *Lens* Miller, *Pisum* L. and *Vicia* L., respectively; are main diet and calorie sources for human in most part of the world. Selection processes for higher yield and quality characteristics during domestication have resulted in narrowing of the genetic variation in the cultivated crop species of the cool season food legumes. Wild *Cicer*, *Lens*, *Pisum* and *Vicia* species do not consist of useful variation for morphological characteristics and protein content, but they also possess sources of resistance to biotic and abiotic stresses. The aims of the present study were to review (i) for resistance to abiotic and biotic stresses on wild species of *Cicer*, *Lens*, *Pisum* and *Vicia*; (ii) on achievements and future perspective for gene transfer from wild species to the cultivated species in cool season food legumes.

CIP – Каталогизација у публикацији
Библиотека Матице српске, Нови Сад

633.31/.37(048.3)

INTERNATIONAL Legume Society. Conference (1 ; 2013 ; Novi Sad)

Book of abstracts / First Legume Society Conference 2013
A Legume Odyssey ; editors Aleksandar Mikić, Diego Rubiales,
Vuk Đorđević. - Novi Sad : International Legume Society :
Institute of Field and Vegetable Crops, 2013 (Novi Sad :
Abraka dabra). - 328str. ; 29 cm

Tiraž 300. – Registar.

ISBN 978-86-80417-44-8

a) Махунарке – Апстракти
COBISS.SR-ID 278447623

In the rich world of global agriculture, diverse legumes can play key roles to develop environment-friendly production, supplying humans and animals with the products of high nutritional value.

The Legume Society was initiated in 2011 with two primary missions. One of them was to treasure the rich legume research tradition of the European Association for Grain Legume Research (AEP), with emphasis on carrying out its the triennial legume-devoted conferences. Another one is to fulfill a long-term strategy of linking together the research on all legumes worldwide, from grain and forage legumes pharmaceutical and ornamental ones and from the Old World to the Americas.

We do anticipate that the First Legume Society Conference will be a unique and genuine contribution to our common goals: to promote the legume research and all its benefits into all spheres of the society, linking science with stakeholders and decision-makers, and to demonstrate how an efficient, useful and firm network of the legume researchers of the world is possible and sustainable.

Published by:

International Legume Society

Institute of Field and Vegetable Crops, Novi Sad, Serbia

