



BOOK OF ABSTRACTS

First Legume Society Conference
2013: A Legume Odyssey

9-11 May 2013, Novi Sad, Serbia

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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

The most important diseases in forage legumes in Serbia

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Lucerne (*Medicago sativa* L.), red and white clover (*Trifolium pratense* L., *T. repens* L.), field pea (*Pisum sativum* L.), common and hungarian vetch (*Vicia sativa* L., *V. pannonica* Crantz.) are the most important forage legumes in Serbia. They are used for making hay, silage, green forage and dried grain of field pea (like supplement for concentrate use). Areas under the forage legumes in the world are expressed in millions of hectares, which are constantly increasing. Forage legumes have occupied an important place in the agricultural production in Serbia over the last ten years. Diseases appearance is increasing with expansion of legumes cultivated areas. Different pathogens can be hazardous in favorable climatic conditions, and some of them can even appear in epiphytotic ratio. The most frequent diseases which were registered almost every year in Serbia at lucerne, clover, field pea and vetch are: *Pseudopeziza medicaginis* (Common leaf spot), *Uromyces striatus* (Rust of alfalfa), *Fusarium oxysporum* f.sp. *medicaginis* (Fusarium wilt), *Verticillium albo-atrum* (Verticillium wilt), *Alfalfa mosaic virus* (AMV), *Pseudopeziza trifolii* (Common leaf spot), *Erysiphe trifolii* (Powdery mildew), *Uromyces trifolii* (Rust), *Cuscuta* sp. (Dodder) *Erysiphe pisi* (Powdery mildew), *Peronospora viciae* (Downy mildew of peas), *Ascochyta pisi* (Ascochyta blight of peas), *Uromyces pisi* (Rust of pea). Good pest management considers: growing resistant varieties, use of certified seed, good agricultural practices and chemical control of pathogens.

Acknowledgements

The project TR-31024 of the Ministry of Education, Science and Technological Development of the Republic of Serbia

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

