

**THE INCIDENCE OF POTATO VIRUS Y (NECROTIC STRAINS) IN SEED POTATO  
GROWN IN SEVERAL ROMANIAN COUNTIES (PRELIMINARY STUDIES)**

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**ABSTRACT**

Potato Virus Y can cause the reduction of farmer's income from agricultural or national communities. This is the reason because protective measures of culture against PVY infections, diagnosis and control of this pathogen play an important role in potato production technology and multiplication. Also, the choice of resistant varieties to the infection with this virus could be one of the measures recommended for farmers and producers. Surveys during 3 years (2014, 2015 and 2016), in five main seed potato growing areas of Romania (Braşov, Covasna, Harghita, Cluj, Suceava), for several varieties, revealed significant differences in PVY incidence.

The cultivars tested were the following: Christian, Roclas (romanian cv.), Riviera, Carrera, Bellarosa, Jelly, Red Fantasy, Hermes and Red Lady. All the tests confirmed the presence of the PVY<sup>N</sup> group in all the regions.

The prevalence of recombinant PVY<sup>N</sup> (especially for the cv. Hermes and Carrera) was confirmed by the tests. Results of this preliminary study show that samples from the cultivars Riviera and Christian were the most resistant to necrotic strains PVY. The study aimed to provide an updated information on incidence of PVY in certified seed potatoes (several cultivars) produced in Romania, in five main regions where aphid infestations in potato were previously studied.

**Acknowledgements:** This work was supported by a grant of the Romanian National Authority for Scientific Research, CNDI-UEFISCDI, PN-II-PT-PCCA-2013-4-0452, project number 178/2014 and partially funded by the Romanian a grant – MoniCult, project PN-II-PT-PCCA-2013-4-1629.

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**12th ANNUAL MEETING**  
**"DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE"**

**17<sup>th</sup>-18<sup>th</sup> November 2016, Craiova – ROMANIA**

The meeting is jointly organized by:  
 Faculty of Agronomy - University of Craiova  
 Faculty of Agriculture – University of Belgrade  
 Agricultural and Forestry Sciences Academy "Gheorghe Ionescu Şişeşti"

**Organizing committees:**

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## GENERAL PROGRAMME

17<sup>th</sup>-18<sup>th</sup> November 2016, Craiova, ROMANIA

Date	Event	Location
Thursday 17.XI.2016	Registration (09.00-10.00)	Faculty of Agronomy (19 Libertății street)
	Opening Ceremony (10.00-10.45)	Aula "Alexandru Buia" - Faculty of Agronomy (19 Libertății street)
	Coffee break (10.45-11.15)	
	Plenary Session and...Cultural moment (11.15-13.30)	Aula "Alexandru Buia" - Faculty of Agronomy
		+ A bit of culture "November waltzes"
		+ Plenary Session-Invited Speakers:
		+ Prof. dr. <b>Vlado LIČINA</b> , University of Belgrade, Vice-President of ESNA, <b>Serbia</b> - " <i>Potential problems in using an preserved top soil layer for opencast mine rehabilitation</i> "
		+ Prof. asst. dr. <b>M. Cuneyt BAGDATLI</b> , University o Nevsehir Hacı Bektaş Veli Engineering and Architecture Faculty, Department of Biosystem Engineering, <b>Turkey</b> - " <i>Global Warming in Turkey and The Effect on Agricultural Production</i> "
		+ Prof. Multiple Dr. H. C. <b>Stefano GREGO</b> , President of ESNA, World Agricultural Heritage Foundation - Chairman of Scientific Committee, Deputy Director of CIRPS, <b>Italy</b> - " <i>Past knowledge for future agriculture</i> "
	Lunch (13.30-14.30)	Faculty of Agronomy
Working Groups Sessions (14.30-16.30)	Faculty of Agronomy (Aula "Alexandru Buia")	
Coffee break (16.30-17.00)	Faculty of Agronomy	
Poster Session (17.00-18.00)	Faculty of Agronomy	
Gala dinner (19.30-24.00)	Restaurant <b>ARTICUS</b> , 71 Calea <b>Severinul street</b> , Craiova	
Friday 18.XI.2016	Tourist visit (9.00-23.00)	Trip to the North of Oltenia: Tismana Monastery - Curtișoara Folk Architecture Museum - "The Women's Cave" (Baia de Fier) <b>Traditional lunch</b> - Polovragi

## **Dear Colleagues,**

*On behalf of the organizing committee it is our pleasure to invite you to participate in the 12-th "DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE" Annual Meeting to be held in Craiova, Romania, at the Faculty of Agronomy of the University of Craiova.*

*Craiova, Romania's 6 th largest city and capital of Dolj County, is situated near the east bank of Jiu river, in central Oltenia. It is a longstanding political center, and is located at approximately equal distances from the Southern Carpathians (north) and Danube River (south). Craiova is the chief commercial city west of Bucharest and the most important city of Oltenia Region. The city prospered as a regional trading centre despite an earthquake in 1790, a plague in 1795, and a Turkish assault in 1802 during which it was burned.*

*The Faculty of Agronomy - University of Craiova is one of the oldest institutions of higher education in Romania, over time is concerned with ensuring an effective education, oriented society useful specialization. Currently, the Faculty of Agronomy in Craiova is a modern educational institution which carries out all forms of higher education. The number of students registered in our faculty in the academic year 2015/2016 is 1228.*

*The University of Craiova was founded within the university center system in Romania in the second half of the 20th century, being, chronologically, the fifth university in the country, following the ones in Iasi, Bucharest, Cluj-Napoca, and Timisoara. The efforts to set up a university centre in the heart of the region of Oltenia were completed by the passing of the Law no. 138/April 25, 1947, thus permitting the founding and organization of the University of Craiova and its ephors.*

*The first higher education institutions in Craiova, organized after the passing of the 1947 law, were: The Faculty of Agronomy, in 1947; The Agronomic Institute, in 1948; The Technical Institute, in 1951; the 3-Year Pedagogical Institute, in 1959. All these institutes constituted the University of Craiova, according to the Decision of the Ministers Council, no. 894/August 27, 1965 (published in the Official Bulletin no. 2 of the Socialist Republic of Romania, dated September 10, 1965).*

*Currently, UCV is a comprehensive institution, made up of 12 faculties, 34 departments, out of which 3 are autonomous and the others are subordinate to faculties, 37 research centres and 3 research institutes. The infrastructure of UCV is adequate (1 main building, 5 campuses, 12 halls of residence, more than 300 lecture theatres and seminar rooms, 255 laboratories, 1 university library and 14 individual libraries, 4 R&D units, 1 university club, etc.; qualified staff (946 teaching staff members and 215 non-teaching staff members, and 796 administrative and maintenance staff members assuring the quality of the services provided for students (17,052) and for society. In order to improve the education process, a special interest was laid upon the reformation of the higher education in accordance with the European Union regulations and the development of the cooperation and collaboration with other academic institutions in the country and abroad, within the European and extra-European area.*

*We hope we will all have a memorable and scientifically stimulating meeting in Craiova and we look forward to meeting you here in November 2016.*

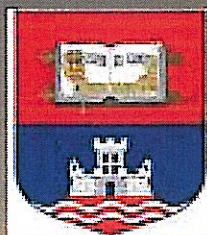
**Welcome to Craiova, Romania!**

**Prof. dr. eng. Tudor ALEXANDRU,**  
**Dean - Faculty of Agronomy,**  
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**UNIVERSITY OF CRAIOVA - UNIVERSITY OF BELGRADE**

**in collaboration with**

**AGRICULTURAL AND FORESTRY SCIENCES ACADEMY**

**"GHEORGHE IONESCU ȘIȘEȘTI"**



**PROGRAMME  
&  
BOOK OF ABSTRACTS**

**The 12<sup>th</sup> ANNUAL MEETING  
"DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE"**

**17<sup>th</sup>-18<sup>th</sup> November 2016, Craiova, Romania**





**The 12<sup>th</sup> ANNUAL MEETING  
"DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE"**



**Organisers:**  
**UNIVERSITY OF CRAIOVA - FACULTY OF AGRONOMY  
AND  
UNIVERSITY OF BELGRADE - FACULTY OF AGRICULTURE  
IN COLLABORATION WITH  
AGRICULTURAL AND FORESTRY SCIENCES ACADEMY  
"GHEORGHE IONESCU ȘIȘEȘTI"**

**Particular focus of the conference:**

**"ADVANCED METHODS FOR A SUSTAINABLE  
AGRICULTURE, SILVICULTURE AND FOOD SCIENCE"**

**PARTNERS: MUZEUL OLTENIEI, CRAIOVA  
ConsAgro, Craiova  
PRIMĂRIA BAIA DE FIER**



