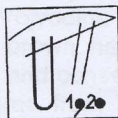
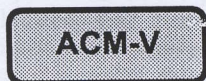


Ministerul Educației, Cercetării, Tineretului și Sportului
Ministry of Education, Research, Youth and Sports
Autoritatea Națională Pentru Cercetare Științifică
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Al XII-lea Simpozion Internațional

„TINERII ȘI CERCETAREA MULTIDISCIPLINARĂ”

The XIIth International Symposium

“YOUNG PEOPLE AND MULTIDISCIPLINARY RESEARCH”

REZUMATE – ABSTRACTS

11 – 12 Noiembrie 2010

11 – 12 November 2010

Genetic Diversity of Brown Hare (*Lepus Europaeus*) Populations from Vojvodina

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In the last decade several studies on nuclear gene pool diversity within and among brown hare populations from Vojvodina were performed (Vapa et al. 2002, 2007). First determination of genetic variability in brown hare populations from Vojvodina using microsatellites were done by Djan (2008). Optimal three-year monitoring period for brown hare populations was recommended, in order to perform adequate population management and conservation. The aim of this paper was microsatellite analysis of genetic diversity in brown hares from Vojvodina during hunting season 2008/09 and comparison of level of genetic diversity with the results obtained by Djan (2008). Total number of 60 individuals was analyzed from Backa, Banat and Srem populations. Three commonly used microsatellite markers: *Sat2*, *Sat5* and *Sat12* were included. New alleles were detected at all three loci. In Srem brown hare population, heterozygosity at loci *Sat2* and *Sat5* were significantly higher than in previous analyses, but some new sample sites from this particular region were included, so these findings as well as new alleles found might be consequence of this fact. Since the sample size in both researches was not statistically different, it could be concluded that heterozygosity remained at same level for these populations in the past three-year period.



Creating of Syllabus for Information Technology in Agriculture

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The aim of the paper is to present an approach and principles for creating of syllabus for the course unit INFORMATION TECHNOLOGY IN AGRICULTURE. It is part of the main course Agricultural Engineering for B.Sc. Some formal requirements to a syllabus are discussed, also possibilities to prepare it in a common accepted form. First problem appears when it is needed to avoid duplication of information and at the same time to connect the new information with the previous one in the past modules. The other problem is which additional sources of information to include in such way that the students to be ready for successful work in next at least ten years. As criterions are proposed students readability for independent and team work in the area of information technology in agriculture, to have skills to discovered problems in farming and to suggest as more as better solutions eventually using modern methods, software, computers, and communication tools. One example of syllabus for students of University of Ruse based on such approach is shown.



„Provocari ale dezvoltării locale în comunitățile afectate de inundațiile din 2005”

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Lucrarea de față urmărește să analizeze impactul inundațiilor din 2005 din județul Timiș în raport cu conceptul dezvoltării durabile. În prima parte a articolului se prezintă procesul de definitivare a conceptului de dezvoltare durabilă, fiind urmată de prezentarea efectelor inundațiilor și a câtorva concluzii.