

**Building Capacity  
of Serbian Agricultural  
Education  
to Link with Society**



Tempus

**Izgradnja kapaciteta  
srpskog obrazovanja  
u oblasti poljoprivrede  
radi povezivanja sa društvom**

**Coordinator:  
University of Belgrade  
Faculty of Agriculture**

**Koordinator:  
Univerzitet u Beogradu  
Poljoprivredni fakultet**

## COURSE REGISTRATION FORM

<b>Teacher</b>	Bojan Konstantinović
<b>University</b>	University of Novi Sad, Faculty of Agriculture
<b>Course</b>	Invasive weed species
<b>Target</b>	Agricultural Middle Schools and Agricultural Extension Service
<b>Type</b>	blended
<b>Duration</b>	2 days - 16 hours

<b>Description</b>	<p>Invasive weed species are all species that are intentionally or accidentally transferred from their natural habitats into new ecosystems, where in the process of competition they suppress autochthonous (domesticated) species invading available areas. Human activities are primary ways of invasive species introduction.</p> <p>Invasive species repress native ones, invading new habitats. These species first occupy urban and ruderal habitats, and later spread in the countryside. As strong competitors, invasive species may endanger survival of autochthonous species. By introduction of new species, new organisms, pathogenic to native ones, can be also introduced. In this case epidemic diseases and significant reductions of biological biodiversity occur in infested area. Newly introduced species often represent vectors, pathogens and allergens dangerous to human health, other plants and animals. Invasive weed species in these areas grow fast and spreading aggressively endangering other plants, disturbing existing water and land ecosystems by changing their existing structure and function. Invasive plants are difficult to control, they easily become dominant in certain area, thus making their control very expensive and complicated.</p> <p>European regulations stipulate the obligation of the monitoring and control of these species starting from 2016. Due to previously mentioned facts, the additional training of teachers in secondary schools and consultants is necessary in order to accomplish timely transfer of knowledge to students and farmers who often have the first opportunity to meet with newly introduced species. In this manner, introduction and further spread of harmful, toxic or allergenic weed species that is intensified due to climate changes could be prevented.</p>
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<b>Contents</b>	<p>The course comprises of several teaching units:</p> <ol style="list-style-type: none"> <li>1. Spread of invasive weed species and their significance</li> <li>2. Invasive weed species in the Republic of Serbia</li> <li>3. Impact of invasive species on agricultural production</li> <li>4. Economic significance and impact of invasive species to the environment and human health</li> <li>5. Identification of invasive species</li> </ol>
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6. Legislation in the Republic of Serbia and EU
7. Possibilities of control

**Objectives**

1. Improvement of existing and gaining new knowledge on significance, distribution and impact of invasive weed species to agricultural production, environment and human health. Introduction to the current and forthcoming legislative regulation in the EU and Serbia.
2. Modernization of teaching in secondary schools.
3. Application of acquired / enhanced knowledge in everyday professional work PSSS .

**Activities**

A two days lasting course. The first day – evaluation of previous knowledge of the participants. Classes in the general part of the course, with the use of AUN methods. Working in groups on identification of invasive species. The second day – work in groups on the possibilities of control and prevention of invasive species spared. Individual tasks solving in *Moodle*.

**Materials**

The first day – room for lectures and organization of small groups of workshop participants. Prepared and copied papers, manuals, instructions, plant identifications and questionnaires for the workshop.  
The second day – classroom equipped with computers with *Moodle* platform for each student.