



COURSE REGISTRATION FORM

Teacher	Milan Dekić
University	State University of Novi Pazar
Course	The Chemistry of Fruits and Vegetables
Target	Agricultural Middle Schools
Type	blended
Duration	1 day - 8 hours

Description	Knowing and understanding the chemistry of fruits and vegetables is important for many aspects including nutrition, health and food technology. Choosing the appropriate raw materials and manufacturing process, knowing the biochemical and other reactions that occur during processing and storage and other aspects of manufacturing processes are closely related to the chemical composition of raw materials. The main goal of this course is to emphasize the importance of knowing the chemical composition of fruits and vegetables, to renew, broaden and systematize knowledge in this area, to emphasize practical aspects of fruit and vegetable processing and recognize some problems in this area. This course also focuses on building skills in the using of e-learning portal <i>Moodle</i> .
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Contents	<ol style="list-style-type: none">1. Macroconstituents of fruits and vegetables: water, carbohydrates, lipids and proteins2. Microconstituents of fruits and vegetables: organic acids, vitamins, mineral substances, pigments, aromatic components, polyphenolics, alkaloids etc.
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Objectives	<ol style="list-style-type: none">1. Renewal, broadening and systematization of knowledge concerning the chemistry of fruits and vegetables2. Some frequent problems in fruit and vegetable processing, from raw material to product (and beyond, to consumers) and measures that can be taken to overcome the problems3. Building skills of participants in the using of e-learning portal <i>Moodle</i>
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Activities	<ol style="list-style-type: none">1. Review of previously acquired knowledge and experience about the subject2. Introductory presentation3. Some technical information about the course4. <i>Moodle</i> user registration and accession to the course5. Performing conceptually the same tasks concerning the topics given in the Course Content (two blocks are planned according to Course Content) in the following manner:<ul style="list-style-type: none">- Theme introduction (lecture using <i>PowerPoint</i> presentation)
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Building Capacity
of Serbian Agricultural
Education
to Link with Society



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 participants review the existing literature on the subject in question (e-books, multimedia resources, internet etc.) (completed individually or in pairs)
- 6. Dividing and working in small groups for some problem-based learning
- 7. The possibilities of use of *Moodle* in teaching and learning
- 8. Course final examination in *Moodle* (individually only)

Materials

1. *Power Point* presentation
2. *Moodle* application
3. Printed material