


OSOBNNE INFORMACIJE

Jasenka Antunović Dunić

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Spol Žensko | Datum rođenja 11/01/1983 | Državljanstvo hrvatsko

RADNO ISKUSTVO

2013–danas

Viši asistent (Poslijedoktorand)

Sveučilište J.J. Strossmayera u Osijeku, Odjel za biologiju, Osijek (Hrvatska)

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Znanstveno područje: Prirodne znanosti, Znanstveno polje: Biologija

Djelatnost ili sektor Znanost i obrazovanje

2007–2013

Asistent

Sveučilište J.J. Strossmayera u Osijeku, Odjel za biologiju, Osijek (Hrvatska)

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Znanstveno-istraživački rad

Djelatnost ili sektor Znanost i obrazovanje

OBRAZOVANJE I
OSPOSOBLJAVANJE

22/03/2013–danas

Doktor znanosti (Znanstveno područje - Prirodne znanosti;
Znanstveno polje: Biologija)

Sveučilište Josipa Jurja Strossmayera u Osijeku, Sveučilište u Dubrovniku, Institut Ruđer Bošković, Sveučilišni poslijediplomski interdisciplinarni doktorski studij Molekularne bioznanosti, Osijek (Hrvatska)

www.unios.hr/molekulama

11/11/2006

Profesor biologije i kemije (= Magistar edukacije biologije i kemije)

Sveučilište J. J. Strossmayera u Osijeku, Odjel za biologiju, Odjel za kemiju, Osijek (Hrvatska)

OSOBNNE VJEŠTINE

Materinski jezik

hrvatski

Ostali jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
engleski	B2	B2	B2	B2	B2

Stupnjevi: A1 i A2: Početnik - B1 i B2: Samostalni korisnik - C1 i C2: Iskusni korisnik
[Zajednički europski referentni okvir za jezike](#)

Komunikacijske vještine

Dobre komunikacijske vještine, izražena sposobnost prilagodbe multikuturnom okruženju stečena tijekom rada u laboratoriju

Poslovne vještine

Dobra organizacija i izvršavanje zadataka u laboratoriju.

Iskustvo rada na projektima i u timu.

Rad s različitom laboratorijskom opremom (mikroskop, mikrotom, UV-VIS spektrofotometar, sustavi za elektroforezu i imunodetekciju, fluorometri: Mini-PAM, Handy PEA) i metodama u molekularnoj biologiji (enzimska kinetika, izolacija staničnih proteina, Western blot).

Digitalna kompetencija Dobro vladanje alatima Microsoft Office™ (Word™, Excel™ i PowerPoint™); Osnovno znanje o programima grafičkog oblikovanja (Adobe PhotoShop™), Statistica, različiti programski paketi koji dolaze uz laboratorijske instrumente

Vozačka dozvola AM, B

DODATNE INFORMACIJE

Znanstveni radovi

- Mlinarić S, **Antunović Dunić J**, Skendrović Babojelić M, Cesar V, Lepeduš H (2017) Differential accumulation of photosynthetic proteins regulates diurnal photochemical adjustments of PSII in common fig (*Ficus carica* L.) leaves. *Journal of plant physiology*, <http://www.sciencedirect.com/science/article/pii/S0176161716302723>
- Begović L, Mlinarić S, **Antunović Dunić J**, Katanić Z, Lončarić Z, Lepeduš H, Cesar V (2016) Response of *Lemna minor* L. to short-term cobalt exposure: The effect on photosynthetic electron transport chain and induction of oxidative damage. *Aquatic toxicology* 175: 117-126. Q1
- Mlinarić S, **Antunović Dunić J**, Štolfa I, Cesar V, Lepeduš H (2016) High irradiation and increased temperature induce different strategies for competent photosynthesis in young and mature fig leaves. *South African journal of botany* 103: 25-31. Q3
- Kovačević J, Mazur M, Lalić A, Josipović M, Josipović A, Matoša Kočar M, Marković M, **Antunović J**, Cesar V (2015) Photosynthetic performance index in early stage of growth, water use efficiency, and grain yield of winter barley cultivars. *Chilean Journal of Agricultural Research* 75(3): 275-283. Q3
- Vojta L, Carić D, Cesar V, **Antunović Dunić J**, Lepeduš H, Kveder M, Fulgosi H (2015) TROL-FNR interaction reveals alternative pathways of electron partitioning in photosynthesis. *Scientific reports* 5:10085. Q1
- Antunović Dunić J**, Lepeduš H, Šimić D, Lalić A, Mlinarić S, Kovačević J, Cesar V (2015) Physiological response to different irradiation regimes during barley seedlings growth followed by drought stress under non-photoinhibitory light. *Journal of Agricultural Science* 7(6): 69-83
- Šimić D, Lepeduš H, Jurković V, **Antunović J**, Cesar V (2014) Quantitative genetic analysis of chlorophyll a fluorescence parameters in maize in the field environments. *Journal of Integrative Plant Biology* 56: 695-708. Q1
- Brcko A, Pěnčík, Magnus V, Prebeg T, Mlinarić S, **Antunović J**, Lepeduš H, Cesar V, Strnad M, Rolčík J, Salopek-Sondi B (2012) Endogenous auxin profile in the christmas rose (*Helleborus niger* L.) flower and fruit: free and amide conjugated IAA. *Journal of Plant Growth Regulation* 31: 63-78. Q2
- Lepeduš H, Brkić I, Cesar V, Jurković V, **Antunović J**, Jambrović A, Brkić J, Šimić D (2012) Chlorophyll analyses of photosynthetic performance in seven maize inbred lines under water-limited conditions. *Periodicum Biologorum* 114(1): 73-76
- Kovačević J, Kovačević M, Cesar V, Lalić A, Lepeduš H, Dvojković K, Abičić I, Katanić Z, **Antunović J**, Kovačević V (2011) Photosynthetic efficiency in juvenile stage and winter barley breeding for improved grain yield and stability. *Poljoprivreda* 17(1): 28-35

Kongresna priopćenja

- Franić M, Mazur M, Begović L, **Antunović Dunić J**, Andrić L, Jambrović A, Zdunić Z, Ledenčan T, Galić V, Brkić A, Brkić J, Brkić I, Cesar V, Šimić D (2016) The effect of cadmium on mitotic index in three maize genotypes. 51st Croatian and 11th International Symposium on Agriculture, Book of Abstracts, Pospišil M, Vnučec I (eds.). Zagreb: University of Zagreb, Faculty of Agriculture, 45-46
- Antunović Dunić J**, Cvetković M, Cesar V, Lepeduš H (2015) Impaired electron transport in thylakoid membranes of young spruce needles exposed to high light stress. 2nd International Conference on Plant Biology; 21st Symposium of the Serbian Plant Physiology Society; COST ACTION FA1106 QUALITYFRUIT Workshop, Book of Abstracts, Uzelac B (ed). Beograd: Serbian Plant Physiology Society, Institute for Biological Research "Siniša Stanković", University of Belgrade,

Serbia, 155-155

3. **Antunović Dunić J**, Galić V, Franić M, Lepeduš H, Cesar V, Šimić D (2015) Monitoring standard deviations of chlorophyll a fluorescence parameter Fv/Fm of JIP-test during increasing water deficit. DROPS EUCARPIA, Recent progress in drought tolerance (from genetics to modelling), Le Corum – Montpellier, France, Conference Handbook, 142
4. **Antunović Dunić J**, Mihaljević Lj, Šimić D, Lalić A, Kovačević J, Cesar V (2015) Recovery of drought stressed barley seedlings by re-watering. 12th Croatian biological congress with International Participation. Book of Abstracts, Klobučar G, Kopjar N, Gligora Udovič M, Lukša Ž, Jelić D (eds). Zagreb: Croatian Biological Society 1885, 98-99
5. Brkić I, Cesar V, Ledenčan T, Jambrović A, Zdunić Z, Andrić L, Brkić J, Brkić A, **Antunović J**, Begović L, Mazur M, Franić M, Galić V, Šimić D (2015) Multiple stress tolerance – is there a panacea? 50th Croatian and 10th International Symposium on Agriculture, Proceedings, Pospišil M (ed). Zagreb: University of Zagreb, Faculty of Agriculture, 88-89
6. Franić M, Mazur M, **Antunović J**, Begović L, Andrić L, Jambrović A, Zdunić Z, Ledenčan T, Galić V, Brkić A, Brkić J, Brkić I, Cesar V, Šimić D (2015) Chlorophyll fluorescence parameters of three maize genotypes challenged by water and cadmium stress. 50th Croatian and 10th International Symposium on Agriculture, Proceedings, Pospišil M (ed). Zagreb: University of Zagreb, Faculty of Agriculture, 104-105
7. Franić M, **Antunović J**, Cesar V, Šimić D (2014) Cadmium-triggered callose deposition in two maize genotypes. V. Congress of the Serbian Genetic Society, Book of abstracts, Vasiljević B, Mladenović Drinić S (eds.). Beograd: Akademska izdanja, Beograd, 287-287
8. Fulgosi H, Vojšta L, Jurić S, Tomašić Paić A, Horvat L, Hanzer R, **Antunović J**, Cesar V, Zechmann B, Lepeduš H (2013) New alleys in regulation of photosynthetic energy conversion. 1st International Conference on Plant Biology and 20th Symposium of the Serbian Plant Physiology Society, Vinterhalter D (ed.). Beograd: Serbian Plant Physiology Society: Institute for Biological Research "Siniša Stanković", 10-11
9. Lepeduš H, Čupić T, Popović S, Mlinarić S, Jurković V, **Antunović J**, Cesar V (2012) Chlorophylls content and photochemistry of thylakoid membranes in two pea cultivars with different leaf colouration. Book of Abstracts of the FEBS 3+ Meeting From molecules to life and back, Dumić J, Kovarik Z, Varljen J (eds.). Zagreb: Croatian Society of Biochemistry and Molecular Biology, 120-121
10. Šimić D, Lepeduš H, Jurković V, **Antunović J**, Franić M, Cesar V (2012) Chlorophyll fluorescence parameters of JIP-test are genetically associated with gst genes in drought tolerant maize plants. Proceeding of Abstract (11th Croatian biological congress with International Participation), Jelaska SD, Klobučar GIV, Šerić Jelaska L, Leljak Levanić D, Lukša Ž (eds.). Zagreb: Croatian Biological Society 1885, 172-173
11. Vojšta L, Carić D, **Antunović J**, Lepeduš H, Ilakovac-Kveder M, Cesar V, Fulgosi H (2012) TROL-FNR interaction influences the assignment of photosynthetically derived electrons to different energy transfer pathways. Proceeding of Abstract (11th Croatian biological congress with International Participation), Jelaska SD, Klobučar GIV, Šerić Jelaska L, Leljak Levanić D, Lukša Ž (eds.). Zagreb: Croatian Biological Society 1885, 171-172
12. Kovačević J, Kovačević M, Cesar V, Lalić A, Lepeduš H, Kovačević V, Dvojković K, Abičić I, Katanić Z, **Antunović J** (2011) Photosynthetic efficiency in juvenile stage of growth and breeding of winter barley to improve grain yield and its stability. 46th Croatian & 6th International Symposium on Agriculture, Book of Abstracts, Pospišil M (ed.). Zagreb: University of Zagreb, Faculty of Agriculture, 82-83
13. Lepeduš H, Jurković V, **Antunović J**, Cesar V, Šimić D (2011) Genetic analysis of chlorophyll a fluorescence parameters in maize. 46th Croatian & 6th International Symposium on Agriculture, Book of Abstracts, Pospišil M (ed.). Zagreb: University of Zagreb, Faculty of Agriculture, 51-52
14. **Antunović J**, Mlinarić S, Lepeduš H, Lalić A, Kovačević J, Cesar V (2010) Biochemical responses of barley seedlings induced by drought stress. 3rd Croatian Botanical Congress with International Participation, Book of Abstract, Jasprica N, Pandža M, Milović M (eds.). Zagreb: Školska knjiga d.o.o., 35-35
15. Lepeduš H, Lalić A, Jurković Z, Kovačević J, **Antunović J**, Štolfa I, Cesar V (2010) Lodging related stem anatomy and guaiacol peroxidases in two barley cultivars. 5th Slovenian Symposium on Plant Biology, Book of abstracts, Dolenc Koče J, Vodnik D, Pongrac P (eds.). Ljubljana: Slovenian Society of Plant Biology, 54-54
16. Mlinarić S, **Antunović J**, Cesar V, Lepeduš H (2010) Chloroplast proteins and PSII photochemistry in young and mature leaves of common fig. The secret life of biomolecules, HDBMB 2010, Book of abstracts, Kovarik Z, Varljen J (eds.). Opatija: Croatian Society of Biochemistry and Molecular Biology, 81-81

17. Begović L, Mlinarić S, **Antunović J**, Katanić Z, Lepeduš H, Cesar V (2009) Physiological responses of Duckweed (*Lemna minor* L.) to short-term cobalt exposure. 10th Croatian Biological Congress with International Participation, Proceeding of abstract, Besendorfer V, Kopjar N, Vidaković-Cifrek Ž, Tkalec M, Bauer N, Lukša Ž (eds.). Zagreb: Croatian Biological Society 1885, 93-94

18. Mlinarić S, **Antunović J**, Štolfa I, Cesar V, Lepeduš H (2008) Diurnal changes of Rubisco LSU accumulation and photosynthetic efficiency during maturation of common fig leaves. Book of abstracts of the HDBMB 2008, Congress of the Croatian Society of Biochemistry and Molecular Biology, Strelec I, Glavaš-Obrovac Lj (eds.). Osijek: Croatian Society of Biochemistry and Molecular Biology, 111-112

Disertacija **Antunović, Jasenka**. Utjecaj ekstremnog zasušivanja na biokemijske i fiziološke značajke klijanaca ječma (*Hordeum vulgare* L.) uzgojenih pri slabom i jakom osvjetljenju / doktorska disertacija.
Osijek: Sveučilište Josipa Jurja Strossmayera - Molekularne bioznanosti, 22.03. 2013, 177 str. Voditelj: Cesar, Vera; Lepeduš, Hrvoje

Znanstveni projekti 2015 - 2019, istraživač na projektu: Fitohormoni u abiotskom stresu kod kupusnjača: mehanizam tolerancije i primjena; HRZZ 4359
2014 - 2018, istraživač na projektu: Genetika i fiziologija tolerancije na višestruki stres kod kukuruza; HRZZ 5707
2011 - 2013, istraživač na projektu: Utjecaj oksidativnog stresa na organizaciju i funkciju biljnih stanica i tkiva (073-0731674-1673); MZOS RH
2008 - 2013, istraživač na projektu: Fiziologija stresa i gospodarska svojstva različitih kultivara pšenice i ječma (073-0731674-0552); MZOS RH
2008 - 2010, istraživač na projektu: Stanična i tkivna diferencijacija tijekom razvoja biljnih organa (073-0731674-0841); MZOS RH

Priznanja i nagrade 2014 - Nagrada za znanstvenu izvrsnost koju dodjeljuje Pročelnik Odjela za biologiju

Nastavna djelatnost **Preddiplomski sveučilišni studij Biologija, Sveučilište J. J. Strossmayera u Osijeku:**
1. Praktikum iz fizikalnih temelja instrumentalnih metoda u biologiji (2007 - danas)
2. Praktikum iz biologije stanice (2007 - danas)
3. Praktikum iz genetike (2009 – danas)
4. Praktikum iz biljne mikrotehnike i metoda mikroskopije (2009 – danas)
5. Praktikum iz anatomije biljaka (2007 – 2009)
6. Praktikum iz morfologije biljaka s terenskom nastavom 1 (2007 – 2009)
7. Praktikum iz stablašica (2007)
Diplomski sveučilišni studij Biologija; smjer znanstveni, Sveučilište J. J. Strossmayera u Osijeku:
1. Praktikum iz razvojne biologije biljaka (2009 - danas)
2. Praktikum iz biljne mikrotehnike i metoda mikroskopije (2011 - danas)
3. Praktikum iz kulture biljnih stanica i tkiva (2013 - danas)

Članstva Hrvatsko društvo za biljnu biologiju
Hrvatsko biološko društvo