

Danijel Jug: matični broj znanstvenika dodijeljen od MZOS: 270465

Poveznica na CROSBI profil: <https://bib.irb.hr/lista-radova?autor=270465>

Mrežna stranica(e): a) <http://www.pfos.unios.hr/hr/kontakt/imenik/danijel-jug-32/>

b) <http://www.opb.com.hr>

Danijel Jug je zaposlen na Fakultetu agrobiotehničkih znanosti Osijek, na Zavodu za biljnu proizvodnju i biotehnologiju, Sveučilišta J.J. Strossmayer u Osijeku. U 2019. godini izabran je u znanstveno-nastavno zvanje redoviti profesor u trajnom zvanju. Područje njegovog znanstvenog rada i interesa vezano je uz konzervacijsku poljoprivredu, opću proizvodnju bilja, agroklimatologiju i klimatske promjene, održivo gospodarenje zemljištem. Njegova najznačajnija znanstveno-istraživačka postignuća vezana su uz: multidisciplinarni pristup reduciranim i konzervacijskim sustavima obrade tla u odnosu na njegova biološka, kemijska i fizikalna svojstva, razvoj sustava biljne proizvodnje i gospodarenja tlima u specifičnim agroekološkim uvjetima, prilagodba biljne proizvodnje klimatskim promjenama, konzervacija i remedijacija poljoprivrednih tala.

OBRAZOVANJE:

Doktorat: Poljoprivredni fakultet u Osijeku / Biotehničke znanosti (09/10/2006.)

Magisterij: Agronomski fakultet u Zagrebu / Biotehničke znanosti (08/03/2005.)

Diploma: Poljoprivredni fakultet u Osijeku / Ratarstvo (15/07/1998.)

RADNO ISKUSTVO:

Fakultet agrobiotehničkih znanosti Osijek:

- znanstveni novak (2000.-2006.)
- docent (2006.-2010.)
- izvanredni profesor (2010.-2013.)
- redoviti profesor (2013.-2019.)
- redoviti profesor u trajnom zvanju (2019.)

ZNANSTVENI I STRUČNI INTERES:

Konzervacijska poljoprivreda, konzervacijska obrada tla, klimatske promjene, održivo gospodarenje tлом

NASTAVNA DJELATNOST:

Koordinator je slijedećih obveznih modula:

- Sveučilišni preddiplomski studij: "Agroklimatologija s osnovama fizike", "Osnove bilinogojstva s agrometeorologijom"
- Sveučilišni preddiplomski stručni studij: "Osnove agrikulturne"
- Sveučilišni diplomski studij: "Agrotehnika i sustavi biljne proizvodnje"
- Poslijediplomski interdisciplinarni sveučilišni studij "Molekularne bioznanosti": "Konzervacijska obrada tla"
- Suradnik je još na: tri preddiplomska, dva preddiplomska stručna, četiri diplomatska i jednom poslijediplomskom sveučilišnom modulu

ČLANSTVO U DRUŠTVIMA:

1. Hrvatsko društvo za proučavanje obrade tala – HDPOT, tajnik (2008. – 2010.), predsjednik (2010. –)
2. International Soil and Tillage Research Organisation-ISTRO, član (2000. –), član uprave (2018. –)
3. Hrvatsko tloznanstveno društvo - HTD, član (2000. –)
4. European Confederation of Soil Science Societies - ECSSS, član (2000. –)
5. International Union of Soil Science - IUSS, član (2000. –)
6. Hrvatsko agrometeorološko društvo – HAgMD, član (2013. –)
7. Global federation of Agrometeorological Societies – GlobalFAMS, član (2013. –)
8. International Planning Committee of Global Energy and Water Exchanges (GEWEX) Hydroclimatology Panel (GHP), član (2015. –)

PROJEKTI:

(voditelj i/ili suradnik na 24 znanstvenih projekata)

- Konzervacijska obrada tla kao mjera ublažavanja klimatskih promjena (Ministarstvo poljoprivrede-MP),
- Reducirana obrada tla u uzgoju ratarskih usjeva – (projekt MZOS),
- Sustavi biljne proizvodnje u funkciji stabilnosti uroda pšenice i očuvanja životne sredine – (projekt MZOS),
- Croatia Agriculture Pollution Control Project - Optimization of crop fertilization by nitrogen (World bank),
- Primjena biougljena kao kondicionera tla–korak ka održivoj biljnoj proizvodnji (MP)

Danijel Jug: Scientist Identification Number (MZOS): 270465

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Web site(s): a) <http://www.pfos.unios.hr/hr/kontakt/imenik/danijel-jug-32/>
b) <http://www.opb.com.hr>

Danijel Jug is an employee of Faculty of Agrobiotechnical Sciences Osijek, at the Department for Plant Production biotechnology. In 2006, he achieved academic degree of PhD in the scientific field of Agroecology and Crop Production. From 2019, he was elected to academic rank of full professor (tenured). His main field of expertise and scientific interest is in Soils and crop management, Conservation agriculture, Agroclimatology and climate change, Sustainable land management. His most important research experience can be summarized as follows: multidisciplinary approach to study of reduced and conservation soil tillage in relation to biological, physical and chemical soil properties, plant nutritional status, development of agricultural management according to specific agroecological conditions, climate change adaptation, agricultural productivity, soil remediation and conservation.

EDUCATION:

PhD: Faculty of Agriculture in Osijek / biotechnical sciences (09/10/2006)

MSc: Faculty of Agriculture in Zagreb / biotechnical sciences (08/03/2005)

BSc degree: Faculty of Agriculture in Osijek / plant production (15/07/1998)

WORK EXPERIENCE:

Faculty of Agrobiotechnical Sciences Osijek:

- junior researcher (2000–2006)
- assistant professor (2006–2010)
- associate professor (2010-2013)
- full professor (2013-2019)
- full professor - tenured (2019)

SCIENTIFIC AND PROFESSIONAL INTEREST:

Conservation agriculture and soil tillage, Agroclimatology and climate change, Sustainable land management

EDUCATIONAL ACTIVITIES:

Module coordinator on:

- University undergraduate (bachelor) studies: "Agroclimatology and basics of physics", "Basics of plant production and agrometeorology",
- University undergraduate (professional) studies: "Basics of agriculture",
- University graduate (master) studies: "Agrotechnics and plant production systems",
- Postgraduate interdisciplinary doctoral study in „Molecular biosciences“: "Conservation soil tillage",
- The lecturer is also at: three University undergraduate, two university professional, four university graduate and one postgraduate doctoral module.

MEMBER:

1. Croatian Soil and Tillage Research Organisation - CROSTRO, secretary (2008–2010), president (2010–)
2. International Soil and Tillage Research Organisation - ISTRO, member (2000–), board member (2018–)
3. Croatian Society of Soil Science - CSSS, member (2000–)
4. European Confederation of Soil Science Societies - ECSSS, member (2000–)
5. International Union of Soil Science - IUSS, member (2000–)
6. Croatian Agrometeorological Society - CAS, member (2013–)
7. Global federation of Agrometeorological Societies – GlobalFAMS, member (2013–)
8. International Planning Committee of Global Energy and Water Exchanges (GEWEX) Hydroclimatology Panel (GHP), member (2015–)

PROJECTS:

(project manager or researcher 18 scientific projects)

- Conservation soil tillage as a measure of climate change mitigation (Ministry of Agriculture - MA),
- Reduced soil tillage in crop production – (Ministry of science, education and Sports project),
- Plant production systems in function of winter wheat yield stability and environment protection. (Ministry of science, education and Sports),
- Croatia Agriculture Pollution Control Project - Optimization of crop fertilization by nitrogen (World bank),
- Application of biochar as a soil amendment - a step towards sustainable crop production (MA)