

Irena Jug, matični broj znanstvenika dodijeljen od MZOS: 274495

Poveznica na CROSBİ profil: <https://bib.irb.hr/lista-radova?autor=274495>

Mrežna stranica(e): a) <http://www.pfos.unios.hr/hr/kontakt/imenik/irena-jug-57/>

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

Irena Jug je zaposlena na Fakultetu agrobiotehničkih znanosti Osijek, na Zavodu za biljnu proizvodnju i biotehnologiju, Sveučilišta J.J.Strossmayer u Osijeku. U 2017. godini je izabrana u znanstveno nastavno zvanje redoviti profesor. Područje znanstvenog rada i interesa vezano je za održivo gospodarenje tlom, agroekologiju, održivost agroekosustava, konzervacijsku poljoprivredu i agrokemiju. Njezina najznačajnija znanstveno – istraživačka postignuća vezana su za interdisciplinarni pristup upravljanja tlima u različitim agroekološkim uvjetima, reakciji biljke na različite agrotehničke zahvate (gnojidba, obrada, itd.) u specifičnim agroekološkim uvjetima te utjecaj agrotehničke na kemijska, biološka i fizikalna svojstva tla.

OBRAZOVANJE:

- Doktorat: Poljoprivredni fakultet u Osijeku / Biotehničke znanosti (17/7/2008)
- Magisterij: Poljoprivredni fakultet u Osijeku / Biotehničke znanosti (22/02/2005)
- Diploma: Poljoprivredni fakultet u Osijeku / Ratarstvo (15/07/1998)

RADNO ISKUSTVO:

Fakultet agrobiotehničkih znanosti Osijek:

- znanstveni novak- (1998 - 2005)
- asistent (2005 - 2008)
- viši asistent (2008 - 2009)
- docent (2009 – 2012)
- izvanredni profesor (2012-2017)
- redoviti profesor (2017-)

ZNANSTVENI I STRUČNI INTERES:

Agroekologija, održivo gospodarenje tlom, konzervacijska i klimatski pametna poljoprivreda, agrokemija

NASTAVNA DJELATNOST

- Sveučilišni preddiplomski studij: Osnove tloznanstva i biljne proizvodnje (koordinator), Osnove agrikulturne (koordinator), Osnove agroekologije (koordinator), Integralni projekti u biljnoj proizvodnji (koordinator), Fertilizacija (suradnik), Osnove bilinogojstva s agrometeorologijom (suradnik),
- Sveučilišni diplomski studij: Ekosustavi u ekološkoj poljoprivredi (koordinator), Održivo gospodarenje tlom (koordinator), Monitoring i zaštita okoliša (koordinator), Vrednovanje zemljišnih resursa (suradnik), Mineralna gnojiva (suradnik), Integrirana gnojidba (suradnik)
- Poslijediplomski sveučilišni studij smjer „Agrokemija“: Zemljišni resursi (suradnik), Utvrđivanje potreba u gnojidbi (suradnik)
- Poslijediplomski interdisciplinarni sveučilišni studij „Molekularne bioznanosti“: Konzervacijska obrada tla (koordinator)
- Poslijediplomski interdisciplinarni sveučilišni studij „Zaštita prirode i okoliša“: Fizika i kemija tla (koordinator)
- Poslijediplomski interdisciplinarni specijalistički studij Zaštita prirode i okoliša: Zemljišni resursi (koordinator)

ČLANSTVO U DRUŠTVIMA:

1. Hrvatsko društvo za proučavanje obrade tala – HDPOT, član 2008 -, podpredsjednica 2013 -
2. International Soil and Tillage Research Organisation-ISTRO, član 2008-
3. Hrvatsko tloznanstveno društvo - HTD, član 2000-
4. Hrvatsko društvo za biljnu biologiju - HDBB, član 2005-
5. European Confederation of Soil Science Societies - ECSSS, član 2000-
6. International Union of Soil Science - IUSS, član 2008-
7. Hrvatsko agrometeorološko društvo - HAgMD, član 2013-

PROJEKTI:

(voditelj i/ili suradnik na 24 znanstvena projekta)

- Sustavi biljne proizvodnje u funkciji stabilnosti uroda pšenice i očuvanja životne sredine
- Konzervacijska obrada tla kao mjera ublažavanja klimatskih promjena
- The alternative crop nutrient sources for organic crop production and soil properties improvement
- Croatia Agriculture Pollution Control Project - Optimization of crop fertilization by nitrogen
- Primjena biogljena kao kondicionera tla – korak ka održivoj biljnoj proizvodnji

Irena Jug: associate, Scientist Identification Number (MZOS): 274495

link to CROSBI profile: <https://bib.irb.hr/lista-radova?autor=274495>

web site(s): a) <http://www.pfos.unios.hr/hr/kontakt/imenik/irena-jug-57/>

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

Irena Jug is employed at Faculty of Agrobiotechnical Sciences Osijek, at the Department for Plant Production biotechnology, J.J.Strossmayer University of Osijek. In 2017, she was elected to academic rank of full professor. Her scientific interest and main field of expertise is in Agroecology, Sustainable land management, Sustainability of agroecosystems, conservation agriculture and agrochemistry. Its most significant scientific and research achievements are related to the interdisciplinary approach to soil management in different agroecological conditions, the plant reaction to various agrotechnical interventions (fertilization, tillage, etc.) in specific agroecological conditions and the influence of agrotechnics on the chemical, biological and physical soil properties.

EDUCATION:

- PhD: Faculty of Agriculture in Osijek/ biotechnical sciences (17/7/2008)
- MSc: Faculty of Agriculture in Osijek/ biotechnical sciences (22/2/2005)
- BSc degree: Faculty of Agriculture in Osijek/ plant production (15/7/1998)

WORK EXPERIENCE:

Faculty of Agrobiotechnical Sciences Osijek:

- junior researcher (1998-2005)
- research assistant (2005-2008)
- senior research assistant (2008-2009)
- assistant professor (2009-2012)
- associate professor (2012-2017)
- full professor (2017-)

SCIENTIFIC AND PROFESSIONAL INTEREST:

Agroecology, sustainable land management, conservation and climate-smart agriculture, agrochemistry

EDUCATIONAL ACTIVITIES:

- University undergraduate (bachelor) studies: Basics of soil science and plant production, Basics of agriculture, Basics of agroecology, Integrated projects in plant production, thematic units in modules: Fertilization, Basics plant production and agrometeorology
- Graduate (master) studies: Ecosystems in ecological agriculture, Sustainable soil management, Monitoring and environmental protection, Thematic units in modules: Land resources, Thematic units in modules: Mineral fertilizers, Thematic units in modules: Integrated fertilization
- Postgraduate doctoral studies agricultural sciences course „Agrochemistry“: Methods for determining fertilizer requirements, Land resources
- Postgraduate interdisciplinary doctoral study in „Protection of Nature and Environment“: Physics and chemistry of soil
- Postgraduate interdisciplinary specialist study in „Protection of Nature and Environment“: Land resources
- Postgraduate interdisciplinary doctoral study in „Molecular biosciences“: Conservation soil tillage

MEMBER:

1. CROSTRO - Croatian Soil Tillage Research Organization (Vice president)
2. ISTRO - International Soil Tillage Research Organization
3. IUSS - International Union of Soil Sciences
4. ECSS - European Confederation of Soil Science Societies,
5. CSSS - Croatian Society of Soil Science,
6. CAS – Croatian Agrometeorological Society
7. GlobalFAMS - Global federation of Agrometeorological Societies

PROJECTS:

(project manager or researcher 24 scientific projects)

- "Conservation soil tillage as a measure of climate change mitigation" – Ministry of Agriculture project
- "Plant production systems in function of winter wheat yield stability and environment protection" - Ministry of science, education and Sports project,
- „The alternative crop nutrient sources for organic crop production and soil properties improvement“
- „Croatia Agriculture Pollution Control Project - Optimization of crop fertilization by nitrogen" - World Bank project.
- "Application of biochar as a soil amendment - a step towards sustainable crop production" - by Ministry of Agriculture of Republic of Croatia