

Dr Mirko Simikić, docent

Uža naučna oblast: Poljoprivredna tehnika

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Obrazovanje

- **Dipl. inž. (2003)** - Poljoprivredni fakultet u Novom Sadu, smer – Poljoprivredna tehnika
- **Magistar nauka (2006)** - Poljoprivredni fakultet, u Novom Sadu, smer - Razvoj i korišćenje pogonskih mašina i traktora
- **Doktor nauka (2011)** - Poljoprivredni fakultet u Novom Sadu, Doktorska disertacija: *"Istraživanje podloga za povećanje energetske efikasnosti traktora"*

Odabrane publikacije

1. Nikolić R., Savin L., **Simikić M.** (2008): Pogonske mašine – Konstrukcije i principi rada II deo, Poljoprivredni fakultet, Novi Sad, 492.
2. Tomić M, Matić-Kekić S, Savin L, Desnica E, Dedović N, **Simikić M**, Ponjičan O, Ašonja A. (2011): Optimization of the locations of overhaul capacities for agricultural engineering in Serbia by applying integer programming. African Journal of Agricultural Research. 6(15), 3346-3354.
3. Ponjičan O, Bajkin A, Dimitrijević Aleksandra, Savin L, Tomić M, **Simikić M**, Dedović N, Zoranović M. (2011): The effects of working parameters and tillage quality on rotary tiller specific work requirement. African Journal of Agricultural Research. 6(31), 6513-6524.
4. **Simikić M.**, Dedović N., Savin L., Tomić M., Silleli H. H., Ponjičan O. (2012): Influence of eccentric drawbar force on power delivery efficiency of a wheeled tractor. Turkish Journal of Agriculture and Forestry, 36, 486-500.
5. Tomić M., Savin L., Mičić R., **Simikić M.**, Furman T. (2012): Effects of fossil diesel and biodiesel blends on the performances and emissions of agricultural tractor engines. Thermal Science, doi: [10.2298/TSCI111122106T](https://doi.org/10.2298/TSCI111122106T)

Odabrani projekti

1. Razvoj kombinovanog traktorskog sistema za obradu zemljišta i setvu. Inovacioni projekat br. 2074, 2004-2005. (Učesnik).
2. Tehnologija rekultivacije degradiranih poljoprivrednih zemljišta. TR-6909, 2005-2007. (Učesnik).
3. Povećanje produktivnosti zemljišta u funkciji održivog razvoja. TR-20082, 2008-2010. (Učesnik).

4. Unapređenje energetske i ekološke efikasnosti traktora i mobilnih sistema. TR-20078, 2080-2010. (Učesnik).
5. Unapređenje kvaliteta traktora i mobilnih sistema u cilju povećanja konkurentnosti, očuvanja zemljišta i životne sredine. TR- 31046, 2011-2014. (Učesnik).

Akadske aktivnosti

- **Nastava** iz uže naučne oblasti Poljoprivredna tehnika na osnovnim akademskim, master i doktorskim studijama

Članstvo u udruženjima (do 5)

- Naučno društvo za pogonske mašine i traktore (JUMTO)
- Društvo za razvoj i korišćenje biogoriva (BIGO)
- Laboratorija za pogonske mašine i traktore (LMT)

Ostale aktivnosti (do 5)

- Tehnički urednik naučnog časopisa nacionalnog značaja *Traktori i pogonske mašine*
- Govori, čita i piše engleski jezik

Assistant Professor Mirko Simikić, Ph.D.

Field of research: Agricultural engineering

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Academic qualifications

- **B.Sc.** (2003) - University of Novi Sad, Faculty of Agriculture
- **M.Sc.** (2006) - University of Novi Sad, Faculty of Agriculture
- **Ph.D.** (2011) - University of Novi Sad, Faculty of Agriculture

Selected publications

1. Nikolić R., Savin L., **Simikić M.** (2008): Power machines – Structures and operating principles II part, Faculty of Agriculture, Novi Sad, 492.
2. Tomić M, Matić-Kekić S, Savin L, Desnica E, Dedović N, **Simikić M**, Ponjičan O, Ašonja A. (2011): Optimization of the locations of overhaul capacities for agricultural engineering in Serbia by applying integer programming. African Journal of Agricultural Research. 6(15), 3346-3354.
3. Ponjičan O, Bajkin A, Dimitrijević Aleksandra, Savin L, Tomić M, **Simikić M**, Dedović N, Zoranović M. (2011): The effects of working parameters and tillage quality on rotary tiller specific work requirement. African Journal of Agricultural Research. 6(31), 6513-6524.
4. **Simikić M.**, Dedović N., Savin L., Tomić M., Silleli H. H., Ponjičan O. (2012): Influence of eccentric drawbar force on power delivery efficiency of a wheeled tractor. Turkish Journal of Agriculture and Forestry, 36, 486-500.
5. Tomić M., Savin L., Mičić R., **Simikić M.**, Furman T. (2012): Effects of fossil diesel and biodiesel blends on the performances and emissions of agricultural tractor engines. Thermal Science, doi: [10.2298/TSCI111122106T](https://doi.org/10.2298/TSCI111122106T)

Selected projects

1. Development of combined tractor system for soil tillage and sowing. Innovative project no. 2074, 2004-2005. (Participant).
2. Technology of recultivation of degraded agricultural land. TR-6909, 2005-2007. (Participant).
3. Increase of soil productivity with the aim of sustained development. TR-20082, 2008-2010. (Participant).

4. Improvement of ecological and energy efficient tractors and mobile systems. TR-20078, 2080-2010. (Participant).
5. Improvement of quality of tractors and mobile systems for better competitiveness and preservation of soil and environment. TR- 31046, 2011-2014. (Participant).

Academic activities

- Teaching at undergraduate, postgraduate and Ph.D. studies (Agricultural engineering)

Memberships

- Scientific Society for power machines and tractors (JUMTO)
- Society for biofuel development and use (BIGO)
- Laboratory of power machines and tractors (LMT)

Other activities

- Technical editor of the scientific magazine of national significance *Tractors and power machines*
- Language skills: English