|  |  |  |
| --- | --- | --- |
|  | UNIVERSITY OF NOVI SAD  FACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 |  |
| Study Programme Accreditation  UNDERGRADUATE ACADEMIC STUDIES *AGRINDUSTRIAL ENGINEERING* |

Table 9.1 Science, arts and professional qualifications

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name and last name: | | | | | | | | Mirko Simikić | | | | |
| Academic title: | | | | | | | | Assistant Professor | | | | |
| Name of the institution where the teacher works full time and starting date: | | | | | | | | University of Novi Sad, Faculty of Agriculture, Department for Agricultural Engineering, July 17, 2007. | | | | |
| Scientific or art field: | | | | | | | | Agricultural Engineering | | | | |
| Academic carieer | | | | | | | | | | | | |
|  | | | | | Year | Institution | | | | | Field | |
| Academic title election: | | | | | 2012 | University of Novi Sad, Faculty of Agriculture | | | | | Agricultural Engineering | |
| PhD thesis: | | | | | 2011 | University of Novi Sad, Faculty of Agriculture | | | | | Agricultural Engineering | |
| Specialization: | | | | |  |  | | | | |  | |
| Magister thesis | | | | | 2006 | University of Novi Sad, Faculty of Agriculture | | | | | Agricultural Engineering | |
| Bachelor's thesis | | | | | 2003 | University of Novi Sad, Faculty of Agriculture | | | | | Agricultural Engineering | |
| List of courses being held by the teacher in the accredited study programmes | | | | | | | | | | | | |
|  | | ID | | Course name | | | | | Study programme name, study type | | | Number of active teaching classes |
| 1. | | 3ОАИ1О03 | | Engineering communication | | | | | Agricultural Engineering (UAS) | | | 2+3 |
| 2. | | 3ОАИ1О03 | | Engineering communication | | | | | Agroindustrial Engineering (UAS) | | | 2+3 |
| 3 | | 3ОPT4O15 | | Power machines | | | | | Agricultural Engineering (UAS) | | | 0+3 |
| 4. | | 3ОАИ8O32 | | Power machines | | | | | Agroindustrial Engineering (UAS) | | | 0+3 |
| 5. | | 3OPT5O21 | | Agricultural tractors | | | | | Agricultural Engineering (UAS) | | | 0+3 |
| 6. | | 3OPT5I42 | | Оccupational safety in agriculture | | | | | Agricultural Engineering (UAS) | | | 2+0 |
| 7. | | 3ОАИ6И42 | | Environmental Engineering and Safety | | | | | Agroindustrial Engineering (UAS) | | | 2+0 |
| 8. | | ЗМПТ1002 | | Agricultural Engineering of Sustainable Agriculture | | | | | Agricultural Engineering (MAS) | | | 2+0 |
| 9. | | ЗМПТ1И04 | | Development and use of single axle tractors and motor implements | | | | | Agricultural Engineering (MAS) | | | 2+2 |
| 10. | | 3ОАГ4О13 | | Plant Protection | | | | | Plant and Environment Protection (UAS) | | | 0+2 |
| 11. | | 3OOП6О27 | | Machines in Organic Agriculture | | | | | Organic Agriculture (UAS) | | | 4+0 |
| 12. | | 3ОУВ6И45 | | Power and ameliorated machines | | | | | Water Management and Water Use (UAS) | | | 0+2 |
| 13. | |  | | Development And Maintenance Of Tractors Agricultural Engineering | | | | | Agricultural Extension (MAS) | | | 0+2 |
| 14. | | 3ДАИ3106 | | Power efficiency of tractors | | | | | Agronomy (DS) | | | 3+0 |
| Representative refferences (minimum 5, not more than 10) | | | | | | | | | | | | |
|  | Simikić M, Dedović N, Savin L, Tomić M, Silleili H, Ponjičan O. (2012): Influence of eccentric drawbar force on power delivery efficiency of a wheeled tractors. Turkish journal of Agriculture and Forestry, Vol. 36 (4), pp.486-500. | | | | | | | | | | | |
|  | Tomić M, Matić-Kekić Snežana, Savin L, Desnica Eleonora, Dedović N, Simikić M, Ponjičan O, Ašonja A: Optimization of the locations of overhaul capacities for agricultural engineering in Serbia by applying integer programming, African Journal of Agricultural Research, Vol.6(15), pp.3346-3354, 2011. | | | | | | | | | | | |
|  | 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. Afr. J. Agric. Res. Vol. 6(31), pp. 6513-6524. | | | | | | | | | | | |
|  | [Ponjičan O,](http://kobson.nb.rs/?autor=Ponjican%20Ondrej%20O) [Bajkin A,](http://kobson.nb.rs/?autor=Bajkin%20Andjelko%20M) [Jaćimović G](http://kobson.nb.rs/?autor=Jacimovic%20Goran%20P), [Tomić M,](http://kobson.nb.rs/?autor=Tomic%20Milan%20D)[Savin L,](http://kobson.nb.rs/?autor=Savin%20Lazar%20D) [Dedović N](http://kobson.nb.rs/?autor=Dedovic%20Nebojsa%20A)., [Simikić M**.**](http://kobson.nb.rs/?autor=Simikic%20Mirko%20D)(2012): Tillage quality affecting physical characteristics, number of plants and carrot root yield under flat and ridge cultivation (Article), JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, Vol. 10 No. 2, pp. 304-311. | | | | | | | | | | | |
|  | Tomić, M. D.,Savin, L. D., Mićić, R. D., Simikić, M. D., & Furman, T. F. (2013). Effects of fossil diesel and biodiesel blends on the performances and emissions of agricultural tractor engines. Thermal Science, 17(1), 263-278. | | | | | | | | | | | |
|  | Tomic, M., Savin, L., Micic, R., Simikic, M., & Furman, T. (2014). Possibility of using biodiesel from sunflower oil as an additive for the improvement of lubrication properties of low-sulfur diesel fuel. Energy, 65, 101-108. | | | | | | | | | | | |
|  | Kiss, F. E., Micic, R. D., Tomić, M. D., Nikolić-Djorić, E. B., & Simikić, M. C. D. S. (2014). Supercritical transesterification: Impact of different types of alcohol on biodiesel yield and LCA results. Journal of Supercritical Fluids, 86, 23-32. | | | | | | | | | | | |
|  | Simikić, M.,Dedović, N., Savin, L., Tomić, M., & Ponjičan, O. (2014). Power delivery efficiency of a wheeled tractor at oblique drawbar force. Soil and Tillage Research, 141, 32-43. | | | | | | | | | | | |
|  | Savin, L., Matić-Kekić, S., Dedović, N., Simikić, M., & Tomić, M. (2014). Profit maximisation algorithm including the loss of yield due to uncertain weather events during harvest. Biosystems Engineering, 123, 56-67. | | | | | | | | | | | |
|  | Simikić M: Research of parameters for better power efficiency of tractors. (PhD thesis). University of Novi Sad, Faculty of Agriculture, 2011. | | | | | | | | | | | |
| Summary data for the teacher's scientific or art and professional activity: | | | | | | | | | | | | |
| Quotation total: | | | | | | | - | | | | | |
| Total of SCI (SSCI) list papers: | | | | | | | 12 | | | | | |
| Current projects: | | | | | | | Domestic: 2 | | | International: | | |
| Specialization | | |  | | | | | | | | | |