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

Table 9.1 Science, arts and professional qualifications

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| Name and last name: | | | | | | | Snezana Matic-Kekic | | | |
| Academic title: | | | | | | | Full 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, October 1, 1998. | | | |
| Scientific or art field: | | | | | | | Mathematics, Optimizations | | | |
| Academic carieer | | | | | | | | | | | |
|  | | | | Year | Institution | | | | Field | | |
| Academic title election: | | | | 2012 | University of Novi Sad, Faculty of Agriculture | | | | Mathematics | | |
| PhD thesis: | | | | 1995 | University of Novi Sad, Faculty of Sciences | | | | Mathematics, Optimizations | | |
| Specialization: | | | | - | - | | | | - | | |
| Magister thesis | | | | 1992 | University of Novi Sad, Faculty of Sciences | | | | Mathematics, Algebra | | |
| Bachelor's thesis | | | | 1989 | University of Novi Sad, Faculty of Sciences | | | | Mathematics | | |
| List of courses being held by the teacher in the accredited study programmes | | | | | | | | | | | |
|  | | ID | Course name | | | | Study programme name, study type  ms - mandantory subject, es – elective subject | | | Number of active teaching classes | |
| 1. | | 3ОАИ1О01 | Mathematics | | | | Agroindustrial Engineering - ms | | | 3+0 | |
| 2. | | 3ОАИ2О06 | Mathematics 2 | | | | Agroindustrial Engineering - ms | | | 2+0 | |
| 3. | | 3ОУВ1О01 | Mathematics 1 | | | | Water Management and Water Use - ms | | | 3+0 | |
| 4. | | 3ОУВ2О06 | Mathematics 2 | | | | Water Management and Water Use - ms | | | 2+0 | |
| 5. | | 3OPT1O01 | Mathematics | | | | Agricultural Engineering - ms | | | 3+0 | |
| 6. | | 3OPT2I38 | Mathematics 2 | | | | Agricultural Engineering - es | | | 2+0 | |
| 7. | | 3OСT1O05 | Applied mathematics | | | | Animal Husbandry - ms | | | 2+0 | |
| 8. | | 3ОВВ1И35 | Mathematics | | | | Fruit Growing and Viticulture - es | | | 2+0 | |
| 9. | | 3ОВВ1И36 | Applied mathematics | | | | Fruit Growing and Viticulture - es | | | 2+0 | |
| 10. | | 3ОФМ1И39 | Mathematics | | | | Phytomedicine – es | | | 2+0 | |
| 11. | | 3ОФМ1И40 | Applied mathematics | | | | Phytomedicine – es | | | 2+0 | |
| 12. | | 3ОАГ1И39 | Mathematics | | | | Plant and Environment Protection - es | | | 2+0 | |
| 13. | | 3ОАГ1И40 | Applied mathematics | | | | Plant and Environment Protection - es | | | 2+0 | |
| 14. | | 3OOП1И46 | Mathematics | | | | Organic Agriculture – es | | | 2+0 | |
| 15. | | 3OOП1И46 | Applied mathematics | | | | Organic Agriculture – es | | | 2+0 | |
| 16. | | 3ОХК1И37 | Mathematics | | | | Horticlture – es | | | 2+0 | |
| 17. | | 3ОХК1И38 | Applied mathematics | | | | Horticlture – es | | | 2+0 | |
| 18. | | 3OРT1И01 | Mathematics | | | | Field and Vegetable Crops - es | | | 2+0 | |
| 19. | | 3OРT1И02 | Applied mathematics | | | | Field and Vegetable Crops - es | | | 2+0 | |
| 20. | | 7OАГ1О05 | Mathematics | | | | Agricultural Economics - ms | | | 3+0 | |
| 21. | | 7ОАТ1О05 | Mathematics | | | | Agrotourism and Rural Development - ms | | | 3+0 | |
| 22. | | ПФПТДИ08 | Operations Research | | | | Master, Agroindustrial Engineering -es | | | 2+0 | |
| 23. | | 3ДАИ3104 | Mathematics with software support | | | | Doctoral, Agronomy -es | | | 2+0 | |
| Representative refferences (minimum 5, not more than 10) | | | | | | | | | | | |
|  | Matić-Kekić S. Some optimization problems on digital convex polygons (PhD thesis). University of Novi Sad, Faculty of Sciences, 1995. | | | | | | | | | | |
|  | Matić-Kekić S., Acketa,D.M., Žunić,J , An exact construction of digital convex polygons with minimal diameter, Discrete Mathematics 150 (1996), 303-313. | | | | | | | | | | |
|  | Dedović N, Matić-Kekić S, Ponjičan O, Karadžić B. New approach to border line evaluations for whole sample of Williams pear (Pyrus communis), Computers and Electronics in Agriculture, 79 (2011), 94–101. | | | | | | | | | | |
|  | Matić-Kekić S., Acketa,D.M., Non-greedy optimal digital convex polygons, *Indian Journal of Pure and Applied Mathematics* 28(4), (1997) , 455-470. | | | | | | | | | | |
|  | Babić Lj, Matić-Kekić S, Dedović N, Babić M, Pavkov I. Surface area and volume modeling of the Williams pear (Pyrus Communis). International Journal of Food Properties, 15(4) (2012), 880–890. | | | | | | | | | | |
|  | Krajinović M, Matić-Kekić S, Dedović N, Pihler I, Simin V, Simikić M, Savin L. Reproduction and culling influence on the number of ewes and lambs in two types of breeding, African Journal of Agricultural Research 7(24) (2012), 3506- 3512. | | | | | | | | | | |
|  | Dedović N, Igić S, Janić T, Matić-Kekić S, Ponjičan O, Tomić M, Savin L. Biomass boiler efficiency - mathematical modeling, Energies 5(5) (2012), 1470-1489. | | | | | | | | | | |
|  | Acketa, D.M, Mudrinski V, Matić-Kekić S. A large collection of 2-designs from a wreath product on 21 points, *Ars Combinatoria* 54: 109-118, 2000. | | | | | | | | | | |
|  | Tomić M, Matić-Kekić S, Savin L, Desnica E, 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 6(14) (2011), 3346-3354. | | | | | | | | | | |
|  | Savin,L., Matić-Kekić, S., Dedović, N. Simikić, M. and Tomić,M. Profit maximization algorithm including the loss of yield due to uncertain weather events during harvest, Biosystems Engineering 123(2014), 56-67. | | | | | | | | | | |
| Summary data for the teacher's scientific or art and professional activity: | | | | | | | | | | | |
| Quotation total: | | | | | | - | | | | | |
| Total of SCI (SSCI) list papers: | | | | | | 11 (eleven) | | | | | |
| Current projects: | | | | | | Domestic: 2 | | International: - | | | |