|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name and family name | | | | | | | | Sanja Rapajić | | | | | | |
| Title | | | | | | | | Full Professor | | | | | | |
| Name of the institution employing the teacher full-time or part-time, since when | | | | | | | | University of Novi Sad Faculty of Sciences, since 1995. | | | | | | |
| A narrow scientific or artistic field | | | | | | | | Numerical Mathematics | | | | | | |
| Academic career | | | | | | | | | | | | | | |
|  | | | | | Year | Institution | | | | Scientific or art field | | | Narrow scientific, art or vocational field | |
| Election to a title | | | | | 2020 | University of Novi Sad Faculty of Sciences | | | | Mathematics | | | Numerical Mathematics | |
| Doctorate | | | | | 2005 | University of Novi Sad Faculty of Sciences | | | | Mathematics | | | Numerical Mathematics | |
| MSc | | | | | 1999 | University of Novi Sad Faculty of Sciences | | | | Mathematics | | | Numerical Mathematics | |
| Diploma | | | | | 1994 | University of Novi Sad Faculty of Sciences | | | | Mathematics | | | Numerical Mathematics | |
| **List of subject the teacher has been accredited for in the first or the second degree of studies** | | | | | | | | | | | | | | |
| No.  1,2,3.... | Code of the subject | | Name of the subject | | | | | | Model of teaching | | | Name of the study program | | Type of studies (ОСС, ССС, ОАС, МСС, МАС, САС) |
| 1. | MБ36 | | Operations research | | | | | | Elective | | | Mathematics, Applied Mathematics,  Master Professor of Mathematics | | МАС |
| 2. | Ф18НМП | | Numerical methods and programming in physics | | | | | | Obligatory | | | Physics | | ОАС |
| 3. | MБ13 | | Mathematical models in economy | | | | | | Elective | | | Applied Mathematics | | МАС |
| 4. | О 07 | | Software for experimental data processing | | | | | | Elective | | | Chemistry | | ОАС |
| **Representative references (minimum 5, maximum 10)** | | | | | | | | | | | | | | |
|  | | A.H. Ibrahim, P. Kumam, **S. Rapajić**, Z. Papp, A.B. Abubakar, Approximation methods with inertial term for large-scale nonlinear monotone equations, Applied Numerical Mathematics 181 (2022), 417-435,  <https://doi.org/10.1016/j.apnum.2022.06.015> **M21** | | | | | | | | | | | | |
|  | | Sandra Buhmiler, **Sanja Rapajić**, Slavica Medić, Nataša Duraković, Tatjana Grbić, Comparison of Derivative-free Method and Finite-difference Method for Singular Systems, Acta Polytechnica Hungarica 18 (9) (2021), 49-67, ISSN:1785-8860 **M23** | | | | | | | | | | | | |
|  | | Marinko Maslarić, Slavica Medić, Nataša Duraković, Sandra Buhmiler, **Sanja Rapajić**, Tatjana Grbić, Generalized pseudo-probability measure, Fuzzy sets and Systems 379 (2020), 48-62, doi:[10.1016/j.fss.2019.01.020](https://doi.org/10.1016/j.fss.2019.01.020) **M21a** | | | | | | | | | | | | |
|  | | Sandra Buhmiler, **Sanja Rapajić,** Slavica Medić, Tatjana Grbić, Finite-difference method for singular nonlinear systems, Numerical Algorithms 79 (1) (2018), 65-86, doi: [10.1007/s11075-017-0428-4](https://doi.org/10.1007/s11075-017-0428-4) **M21a** | | | | | | | | | | | | |
|  | | Savka Adamović, Miljana Prica, Božo Dalmacija, Marijana Kragulj Isakovski, Ðurđa Kerkez, **Sanja Rapajić**, Dragan Adamović, Measurement of copper deposition by electrocoagulation/flotation from waste printing developer waste printing developer, Measurement 131 (2019), 288-299, doi:10.1016/j.measurement.2018.08.077 **M21** | | | | | | | | | | | | |
|  | | **Sanja Rapajić,**  Zoltan Papp, A Nonmonotone Jacobian Smoothing Inexact Newton Method for NCP, Computational Optimization and Applications 66 (3) (2017), 507-532, doi: 10.1007/s10589-016-9881-6 **M21** | | | | | | | | | | | | |
|  | | Zoltan Papp, **Sanja Rapajić,**  FR type methods for systems of large-scale nonlinear monotone equations, Applied Mathematics and Computation 269 (2015), 816-823, <https://doi.org/10.1016/j.amc.2015.08.002> **M21** | | | | | | | | | | | | |
|  | | Savka Adamovic, Miljana Prica, Bozo Dalmacija, **Sanja Rapajic,** Dragoljub Novakovic, Zivko Pavlovic, Snezana Maletic, Feasibility of electrocoagulation/flotation treatment of waste offset printing developer based on the response surface analysis, Arabian Journal of Chemistry 9 (1) (2016),152-162, doi:10.1016/j.arabjc.2015.03.018 **M21** | | | | | | | | | | | | |
|  | | Miljana Prica, Savka Adamovic, Bozo Dalmacija, Ljiljana Rajic, Jelena Trickovic, **Sanja Rapajic,** Milena Becelic-Tomin, The electrocoagulation/flotation study: The removal of heavy metals from the waste fountain removal of heavy metals from the waste fountain solution, Process Safety and Environmental Protection 94 (2015), 262-273, http://dx.doi.org/10.1016/j.psep.2014.07.002 **M22** | | | | | | | | | | | | |
|  | | Nataša Krejić, Nataša Krklec Jerinkic, N., **Sanja Rapajić,** Barzilai-Borwein method with variable sample size for stochastic linear complementarity problems, Optimization 65 (2) (2016) , 479-499, doi:10.1080/02331934.2015.1062008 **M22** | | | | | | | | | | | | |
| **Cumulative information about teachers scientific, art or vocational activity** | | | | | | | | | | | | | | |
| Total number of citations | | | | | | | 212 (Google Scholar) | | | | | | | |
| Total number of papers from the SCI (SSCI) list | | | | | | | 18 | | | | | | | |
| Current participation in projects | | | | | | | National 1 | | | | International 1 | | | |
| Specializations | | | |  | | | | | | | | | | |