|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | | Vladimir Kostić | | | | | |
| **Title** | | | | Associate Professor | | | | | |
| **Narrow scientific area** | | | | Numerical Mathematics | | | | | |
| **Academic career** | | | **Year** | **Institution** | | **Area** | | **Narrow scientific or art area** | |
| Election to the title | | | 2016 | Faculty of Science, University of Novi Sad | | Applied Mathematics | | Numerical mathematics | |
| PhD | | | 2010 | Faculty of Science, University of Novi Sad | | Applied Mathematics | | Numerical mathematics | |
| Master degree | | | 2009 | Faculty of Science, University of Novi Sad | | Applied Mathematics | | Numerical mathematics | |
| Master diploma | | |  |  | |  | |  | |
| Diploma | | | 2003 | Faculty of Science, University of Novi Sad | | Applied Mathematics | | Numerical mathematics | |
| **List of subjects the teacher is lecturing in doctoral studies** | | | | | | | | | |
| **No.** | **Mark** | **Subject name** | | | | | | | |
| 1. | M12N3 | Modeling of dynamical systems | | | | | | | |
| 2. | MDS03 | Numerical linear algebra for big data 1 | | | | | | | |
| 3. | MDS15 | Numerical linear algebra for big data 2 | | | | | | | |
| 4. | OBE016 | Software packages for data manipulation | | | | | | | |
| 5. | DNBE001 | Mathematical and statistical methods in biological research | | | | | | | |
| The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field **(minimum 10, not more than 20)** | | | | | | | | | |
| 1. | V. Kostić, A. Międlar and Lj. Cvetković, An algorithm for computing minimal Geršgorin sets, Numerical Linear Algebra with Applications, 23(2), 272-290 (2016) | | | | | | | | M21a |
| 2. | V. Kostić, Lj. Cvetković and D. Cvetković, Improved stability indicators for empirical food webs, Ecological Modeling 320, 1-8 (2016) | | | | | | | | M22 |
| 3. | V. Kostić, Lj. Cvetković and D. Cvetković, Pseudospectra localizations and their applications, Numerical Linear Algebra with Applications 23(2), 356-372 (2016) | | | | | | | | M21a |
| 4. | D. Mihailović, V. Kostić, G. Mimić and Lj. Cvetkovć, Stability analysis of turbulent heat exchange over the heterogeneous environmental interface in climate models, Applied Mathematics and Computation 265, 79-90 (2015) | | | | | | | | M21a |
| 5. | V. Kostić, A. Międlar and J. Stolwijk, On matrix nearness problems: distance to delocalization, SIAM. J. Matrix Anal. & Appl. 36(2), 435–460 (2015) | | | | | | | | M21a |
| 6. | V. Kostić, On general principles of eigenvalue localizations via diagonal dominance, Advances in Computational Mathematics 41, 55–75 (2015) | | | | | | | | M21 |
| 7. | J. Aleksić, V. Kostić and M. Žigić, Spectrum localizations for matrix operators on lp spaces, Applied Mathematics and Computation 249, 541–553 (2014) | | | | | | | | M21a |
| 8. | Lj. Cvetković, A. Hadjidimos and V. Kostić, On the choice of parameters in MAOR type splitting methods for the linear complementarity problem, Numerical Algorithms 67(4), 793–806 (2014) | | | | | | | | M22 |
| 9. | D. T. Mihailović, V. Kostić, I. Balaž and Lj. Cvetković, Complexity and asymptotic stability in the process of biochemical substance exchange in a coupled ring of cells, Chaos Fractals and Solitones 65, 30–43 (2016) | | | | | | | | M21a |
| 10. | Lj. Cvetković and V. Kostić, A note on the convergence of the MSMAOR method for linear complementarity problems, Numerical Linear Algebra with Applications 9(4), 534-539 (2014) | | | | | | | | M21a |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | |
| Total number of citations, without self citations | | | | | 480 | | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | 35 | | | | |
| Current participation in projects | | | | | Domestic 1 | | International 0 | | |
| specialization | | | | | Plytechnic University of Valencia, Spain 01.09.2006.-01.10.2006.  Technical University of Berlin, Germany 01.06.2013.-01.03.2014. | | | | |
| Other information you consider to be important | | | | | | | | | |