

**Vojvodina Academy  
of Sciences and Arts**

**ANNUAL REPORT  
2018**

**Novi Sad**

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## 1. Introduction

Members of the Vojvodina Academy of Sciences and Arts were very active in 2018. They contributed in education at the Faculty of Technical Sciences, Medical Faculty, Faculty of Philosophy at the University of Novi Sad, at the University of Singidunum in Belgrade and at the Obuda University in Budapest (Hungary). They supervised PhD dissertations at the University in Novi Sad, Obuda University and also at the Montenegro University in Podgorica.

The members of Academy were included in lecturing post-specialists in radical surgery in rectum carcinoma, in oncology. in anti –VEGF therapy in diabetic diseases in ophthalmology, in new methods of surgery in glaucoms, on combined therapies of degeneration due to oldness and cataract surgery, etc. In the interview to Radio Novi Sad results of investigation in education methods of parents in families in Vojvodina.

In 2018 member of Academy published four books and three parts in international and domestic monographs. They published 41 papers in international and domestic journals and conference proceedings, gave 13 Plenary and Invited Lectures and had 11 lectures at international and domestic conferences. The members of academy supervised and are incorporated into many projects supported by the Ministry of Sciences and Technical Research in Serbia and by European Union.

In addition, the members of the Academy were editors of journals, proceedings and are incorporated into organizing committees of conferences. They reviewed a numerous number of manuscripts for the famous journals, too.

Citation index of the publications is more than 15000 according to Google Scholar.

The members were very active in Commission for Education but also in the Committee of Physics of the Ministry of Science and Technical Development of Serbia. They were members of the ERIK-NARIK association for accepting international diplomas. Those who were elected into emeritus professors had activity in organization of the ‘Professor Emeritus Club’ at the University of Novi Sad. They organized four lectures.

Our members are elected into the American Society of Mathematics and of the Austrian Society of Mathematics, International ophthalmology society, but also in Ingenuing Academy of Serbia and Scientific Society of Serbia.

The Presidency of the Academy worked intensively in the Bogumil Hrabak Foundation. This year two PhD dissertations in social sciences were published.

As an active member of the Medicina Pro-Arte of the Vojvodina’s doctor society –SLD, Prof. Latinovic exhibited her sculptures at the exhibition 2018. She also gave a popular lecture at the Galerija Matice srpske in Novi Sad about the optical illusion in paintings.

Prof. Kastori was awarded in 2018 for a longtime cooperation with the Institute of the Agricultural Faculty of Novi Sad on the celebration of its 80<sup>th</sup> year. Prof. Cveticanin was awarded *Gold plaque for the Life Work*, Society of University Professors and Researchers of Vojvodina.

## 2. Publications

During this year the members of Academy published three books and three parts of books with specific topics. They published 41 papers in international and domestic journals and proceedings.

### 2.1 Books, Monographs and Papers in Monographs

- Cveticanin, L., Cveticanin, D., Acoustic Metamaterials: Theory and Application, Chapter 3, in *Acoustics and Vibrations of Mechanical Structures – AVMS-2017*, Eds. N. Herisanu and V. Marinca, Springer, 2018, 21-33.
- Folić, B. Folić, R. (2018): Ponašanje i analiza AB mostova u zemljotresima, Savez građevinskih inženjera Srbije, Građevinski kalendar, Beograd, Vol. 50. ISSN 0352-2733; UDK:624.21.012.45.042.4; str. 1 – 91.
- Göncz, L., 2018. A két- és többnyelvűség lélektani hatásaival foglalkozó kutatások néhány újabb eredménye - Some recent results of the research on psychological impacts of bi- and multilingualism, In Pasztor-Kicsi Maria (Ed.): *Kétnyelvűség – hátrány vagy esély?: tanulmányok* (pp. 27-40), Novi Sad: Univerzitet u Novom Sadu, Filozofski fakultet, Odsek za hungarologiju, ISBN 978-86-6065-499-3
- Tamaš, J., Tiski cvet, roman na srpskom, Prometej, Novi Sad 2018, p.188, ISBN 978-86-515-1438-1
- Tamaš, J., Tiski kvet, roman na rusinskom, Prometej, Novi Sad I Karpati, Vrbas 2018, p. 87. ISBN 978-86-515-1447-3
- - Grupa autora, Recepcija dela Julijana Tamaša, (zbornik, urednik prof. dr Janko Ramač), Filozofski fakultet, Novi Sad 2018, p. 319, ISBN 978-86-6065-470-2

## 2.2 Journal Papers and Proceeding Papers

- I. Pakar, M. Bayat, L. Cveticanin, Nonlinear Vibration of Unsymmetrical Laminated Composite Beam on Elastic Foundation, *Steel and Composite Structures*, 26(4), 453-461, 2018.
- L. Cveticanin, M. Zukovic, D. Cveticanin, Oscillator with variable mass excited with non-ideal source, *Nonlinear Dynamics*, 92(2), 673-682, 2018.
- H. A. Navarro, L. Cveticanin, Extension of the Hamiltonian approach with general initial conditions, *Journal of Theoretical and Applied Mechanics (PTMT)*, 56(1), 255-267, 2018.
- D. Kremer, N. Varga, M. Prica, L. Cveticanin, M. Zukovic, B. Dalmacija, Z. Corba, Application of hexagonal two dimensional electrokinetic system on the nickel contaminated sediment and modelling the transport behavior of nickel during electrokinetic treatment, *Separation and Purification Technology*, 192, 253-261, 2018.
- L. Cveticanin, M. Zukovic, I. Biro, J. Sarosi, Mathematical investigation of the stability condition and steady state position of a pneumatic artificial muscle-mass system, *Mechanism and Machine Theory*, 125, 196-206, 2018.
- L. Cveticanin, M. Zukovic, D. Cveticanin, Influence of nonlinear subunits on the resonance frequency band gaps of acoustic metamaterial, *Nonlinear Dynamics*, 93(3), 1341-1354, 2018.
- L. Cveticanin, U. Kozmidis, Gy. Mester, Periodic motion in an excited and damped cubic nonlinear oscillator, *Mathematical Problems in Engineering*, vol. 2018. Article ID 3841926, 6 pages, 2018. <https://doi.org/10.1155/2018/3841926>.
- J.M. Balthazar, P.B. Goncalves, G. Litak, A.M. Tusset, L. Cveticanin, Dynamics, control, and modeling of fractional-order systems, Editorial, *Shock and Vibration*, Vol.2018, Article ID 6971490, 2 pages, <https://doi.org/10.1155/2018/6971490>, 2018.
- L.Cveticanin, M. Zukovic, D. Cveticanin, On the elastic metamaterial with negative effective mass, *Journal of Sound and Vibration*, 436, 295-309 2018.
- L. Cveticanin, I. Biro, J. Sarosi, Gy. Mester, Control of energy dissipation in a strong nonlinear, damped and periodically excited system, *Chemical Engineering Transactions CET*, 70, 2173-2178, 2018.

- L. Cveticanin, D. Cveticanin, Cleaning methods of heat surfaces in biomass-fired boilers: A review, *World Journals of Engineering Research and Technology, WJERT*, 4(5), 215-235, 2018.
- I. Biro, L. Cveticanin, P. Szuchy P., Numerical method to determine the elastic curve of beams of variable cross-section, *Structural Engineering and Mechanics, An International Journal*, 68(6), 2018.
- L. Cveticanin, Z. Rakaric, M. Zukovic, Vibration absorber of seismic actions in buildings, *6<sup>th</sup> Int. Conf. Contemporary Achievements in Civil Engineering*, Proceedings, 20<sup>th</sup> April 2018, Subotica, pp. 125-131, 2018.
- L. Cveticanin, M. Prica, Dynamics of mass-in-mass unites in elastic metamaterials, *9<sup>th</sup> International Congress of Croation Society of Mechanics, ICCSM*, Split, Croatia, Sept. 18-22, Proceedings, 2018.
- L. Cveticanin, M. Zukovic, Properties of mass-in-mass units of the elastic metamaterial, *13<sup>th</sup> Int. Sci. Conf. MMA 2018 Flexible Technologies*, Novi Sad, 28-29 Sept. 2018. Proc. 301-304, 2018.
- V. Kicinja, L. Cveticanin, Vibrational energetic harvesters: A review, *International Scientific Conference – ETIKUM 2018*, Novi Sad, 6-8. 12.2018, Proceedings, 2018.
- I. Todorović, N., Bikit, I., Krmar, M., Mrđa, D., Hansman, J., Nikolov, J., Todorović, S., Forkapić, S., Jovančević, N., Bikit, K., Mandić, L.J., Assessment of radiological significance of building materials and residues, *Romanian Journal of Physics*, 63 (9-10), art. no. 817, p.16, 2018.
- Mrdja, D., Bikit, K., Bikit, I., Slivka, J., Forkapic, S., Knezevic, J., Monte Carlo simulation of beta particle induced bremsstrahlung doses, *Journal of Radiological Protection*, 38 (1), pp. 34-47, 2018
- Mrdja, D., Bikit, K., Forkapic, S., Bikit, I., Slivka, J., Hansman, J., *Journal of Environmental Radioactivity*, 188, pp. 23-29, 2018.
- Nemes, T., Mrdja, D., Bikit, I., *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 898, pp. 11-14, 2018.
- Nemes, T., Mrdja, D., Bikit, I., Slivka, J., Bikit-Schroeder, K., Samardzic, S., Influence of angular correlations on the full energy peak efficiency calibration using the sum peak method *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 918, pp. 37-40, 2019.
- Göncz, L., Generalised ethnocentrism among high-school students in a multicultural setting: the role of the degree of multilingualism, *Journal of Multilingual and Multicultural Development*, 39(3), 224-239, 2018.
- Kovacic, I., Zukovic, M., Cveticanin, L., Rakaric, Z., Multimedijalna i interaktivna nastava i učenje inženjerske mehanike, *XXIV Skup Trendovi razvoja: Digitalizacija visokog obrazovanja, Kopaonik*, 21-23.2.2018, Zbornik radova, 160-163, 2018.
- L. Cveticanin, P. Szuchy, Akusztikus metaanyagok es felhasznalasuk a gepeszmernoki gyakorlatban, *Konferencia: III. Gepeszeti szakmakultura*, 2018. Feb.1, CD 2018. Szekció 2A, 1-5.oldal, Budapest, ISBN 978-963-9058-40-8, 2018.
- Kastori, R., Maksimovic, I., Putnik-Delic, M., Momcilovic, V., Dencic, S.(2018): Zinc accumulation in whole grain of diploid, tetraploid and hexaploid wheat. Proceedings of The 24th International Symposium on Analytical and Environmental Problems. Szeged, Hungary, p. 139-143.
- Maksimovic, I., Putnik-Delic, M., Kastori, R., Momcilovic, V. (2018): The effect of various doses of Cd on productive features and quality of wheat. International Conference on Ecological Sciences, Rennes, France.
- Maksimovic, I., Putnik-Delic, M., Danicic, M., Kastori, R., Marjanovic-Jeromela, A. (2018): Effect of low concentrations of NaCl on accumulation and distribution of

Na, K, Ca and their ration in different plant species. 3rd International Conference on Plant Biology ( 22nd SPPS Meeting),Belgrade.

- Kastori, R. (2018): Az eghajlatvatozas hatasa a novenyek letfolyamataira es a termesztett novenyek termeshozamara. A Magyar Tudomany Napja a Delvideken. *Ujvidek*.
- Putnik-Delic, M., Maksimovic I., Danicic, M., Kastori, R. (2018): Changes in accumulation of essential macronutrients during vegetative growth of rapeseed exposed to NaCl. International Conference on Ecological Science,Rennes, France.
- Putnik-Delic, M., Maksimovic, I., Hrbak, T., Daničić, M., Kastori, R. (2018): Stimulative effect of silicon on the growth of alfalfa (*Medicago sativa* L. ) 3rd International Conference on Plant Biology (22nd SPPS Meeting).Belgrade.
- Kastori, R., (2018): A bor szerepe az elovilagban. A Magyar Tudomany Napja a Delvideken. *Ujvidek* p. 27-35.
- Danicic, M., Putnik-Delic, M., Maksimovic, I., Kastori, R. (2018): Effect of silicon on growth and biochemical traits on *Coriandrum sativum* L. in saline conditions. 3rd International Conference od Plant Biology (22nd SPPS Meeting) Belgrade.
- Putnik-Delic, M., Maksimovic, I., Kastori, R., Ilin, C., Daničić, M. (2018): Micronutrients concentration in field grown pepper (*Capsicum annum* L.) in different fertilization schemes. Proceedings The 24th International Symposium on Analytical and Environmental Problems. Szeged, Hungary. p. 197-201.
- E. Pap, Iosif, A., Gavrilut, A., Integrability of an interval-valued multifunction with respect to an interval-valued set multifunction, *Iranian Journal of Fuzzy Systems*, (2018) Vol. 15, Issue 3, p. 47-63, DOI: 10.22111/ijfs.2017.3406.
- M. Štrboja, E. Pap, B. Mihailović, Transformation of the pseudo-integral and related convergence theorems, *Fuzzy Sets and Systems* (2018), 1-16. doi.org/10.1016/j.fss.2018.06.010
- M. Štrboja, E. Pap, B. Mihailovic, Discrete bipolar pseudo-integrals, *Information Sciences* 468, November, 2018, 72-88.
- Brujić, Z., Kukaras, D., Folić, R. Sohela, A., Čeh,A. (2018): Punching shear strength of strength of eccentrically loaded RC flat slabs without transverse reinforcement, *Gradevinar* 70(9), 757-770; ISSN 0350-2465; UDK 624+69(05)=862 (in Croatia)
- Rudnik - Milanović, A., Kurtovic Folic, N., Folić, R., 2018: Earth-Sheltered House: A Case Study of Dobraca Village House near Kragujevac, Serbia, *Sustainability* 10(10), 2018, 3629
- Serdar, N., Folić, R. (2018): Vulnerability and optimal probabilistic seismic demand model for curved and skewed RC bridges, *Engineering Structures*, 175, pp. 411-425.
- Ćosić, M., Folić, R., Folić, B. (2018): Fragility and Reliability Seismic Analysis of Soil – Pile – Bridge Pier Interaction, *FACTA Architecture and Civil Engineering* 16(1), 93 – 111; ISSN 0354 – 4605 UDC 624.21:699.841;
- Folić, B., Folić, R. (2018): Comparative nonlinear analysis of a RC 2D frame soil-pile interaction, *Building Materials and Structures (GmiK) br.1/18*, pp. 63 – 89. ISSN 2217-8139 (Print); ISSN 3234-0229 (Onilne) UDK: 624.154.072.332; doi:10.5937/GRMK1801063F; (in Serb)
- Radanović, M. M., Rodić, M. V., Vojinović-Ješić, Lj. S., Armaković, S., Armaković, S. J., Leovac, V. M., “Complexes of Zn(II) and Cd(II) with 2-acetylpyridine -aminoguanidine – Syntheses, structures and DFT calculations”, *Inorg. Chim. Acta* **473** (2018) 160-168.
- Radanović, M. M., Novaković, S. B., Vojinović-Ješić, Lj. S., Rodić, M. V., Leovac, V. M., “2-Acetylpyridine-aminoguanidine – Novel ligand salt and zinc(II) complex containing thiocyanate”, *J. Serb. Chem. Soc.* **83** (2018) 157-166

### 3. Plenary and Invited Lectures

The members of the Academy gave 13 plenary and invited lectures at home and abroad.

- L. Cveticanin, Overview on vibration energy harvesting systems, *26<sup>th</sup> Int. Conf. Noise & Vibration*, 6-7 December 2018, Nis, Proceedings 9-13, 2018.
- L. Göncz, Treba li spašavati jezike ili njihove govornike? Opadanje biolingvističkog diverziteta kao psihološki problem, Konf. "Jezik-kultura-identitet", 12. april 2018., Novi Sad.
- L. Göncz, A két - és többnyelvűség lélektani hatásaival foglalkozó kutatások néhány újabb eredménye - Some recent results of the research on psychological impacts of bi- and multilingualis, Konf. "26. Egyetemi Nyelvészeti Napok – 26. Lingvistički dani", 6. novembar 2018., Novi Sad.
- Latinovic S., Optical illusions and painting. How do we see it? Lecture within the exhibition for blind and visually impaired persons. Space, shape and touch. Galerija Matice srpske, Novi Sad, 2. februar 2018.
- Latinovic S., Artistic photographs presented at the exhibition Medici pro Arte, on the occasion of the 100th anniversary of The Physicians Association of Vojvodina at the National Theater Hall, Novi Sad, April 20-28, 2018
- Latinovic S., Nestorović M., Special Education and Rehabilitation Program of Visually Impaired Children in South East European Countries Joint Congress of Hungarian ophthalmology Society and South-East European Ophthalmological Society (SEEOS): 31 May-2 June 2018, Szeged, Hungary
- Latinovic S., Cekli L., Quality of vision after intravitreal Bevacizumab and Laser Photocoagulation of patients with diabetic macular edema, Congress of Hungarian ophthalmology: (SEEOS) Society and South-East European Ophthalmological Society 31 May - 2 June 2018, Szeged, Hungary
- Latinovic S., Malignant Glaucoma or Aqueous Misdirection Syndrome -The Upcoming complication of eye surgery at XVII-th National Congress of Ophthalmology with International Participation 3 rd – 6 th Octob. 2018 Sinaia, Romania
- Latinovic S., Nestorovic M., Penetrating eye injuries – actual primary and secondary repair. Instructional Course at XVII-th National Congress of Ophthalmology with International Participation 3 rd – 6 th Octob. 2018 Sinaia, Romania
- E. Pap, The Future and Limits of Human, IT and AI (plenarno predavanje), Synthesis 2018, International Scientific Conference of IT and Business-Related Research, april, 2018.
- Serdar, N., Folić, R. (2018): Seismic Probabilistic Analysis of Curved and Skewed Reinforced Concrete Bridges, Plenary Lecture, X Jubilee International Scientific Conference. „Civil Engineering Design and Construction“ (Science and Practice), Sept. 20-22, 2018, Varna, Bulgaria
- Folić, R., Čokić, M. (2018): Design of fragility curves and determination of damage states for frame system RC building, Plenary Lecture, XVII Anniversary International Scientific Conference by Construction and Architecture VSU'2018, 18 - 20 October 2018, Sofia, Bulgaria, Proc. Ed. D. Partov, A. Handrulova) p. 459 – 472; ISSN 1314-071 X; [www.vsu.bg/conference/2018](http://www.vsu.bg/conference/2018)
- Petronijević, P., Folić, R., Contribution of reinforced concrete walls to seismic safety of high reinforced concrete buildings, Conference Contemporary Civil Engineering Practice 2018, Department of Civil Engineering and Geodesy Faculty of Technical

Sciences Novi Sad and Society of Civil Engineers of Novi Sad, Andrevlje, 31 Mai -1 June, 2018., pp. 113 - 138, ISBN 978-86-6022-041-9

#### 4. Presentation at Domestic and International Conferences

20 lectures were presented at international and domestic conferences.

- L. Cveticanin, Elastic metamaterials with mas-in-mas oscillatory units, *World Congress on Mechanical and Mechatronics Engineering, WCMM*, Dubai UAE, 16-17 April, 2018.
- L. Cveticanin, Periodically forced and damped truly nonlinear two-degrees-of-freedom oscillator, *IUTAM Symp. ENOLIDES*, 15-19 July, 2018, Novi Sad, pp.59-60, 2018.
- I. Biro, L. Cveticanin, P. Szuchy, Special numerical method to determine the elastic curve of supported beams of variable cross-section, *Int. Conf. on Science, Technology, Engineering and Economy ICOSTEE 2018*, Oct.25, 2018, Szeged, Hungary, 2018.
- L. Cveticanin, A. Vecseri, I. Biro, D. Cveticanin, Procedures for shaft misalignment detection: An overview, *Int. Conf. on Science, Technology, Engineering and Economy ICOSTEE 2018*, Oct.25 2018, Szeged, Hungary, 2018.
- L. Cveticanin, A. Dregelyi-Kiss, R. Horvath, A model for predicting vibration in turning process due to mass variation, *10<sup>th</sup> Int. Engineering Symposium at Banki IESB 2018*, 21 November 2018. Abstract, p. 27, 2018.
- Göncz, L., Some recent results of the research on psychological impacts of bi- and multilingualism, 26th University Linguistic Days, Between Languages — Interdisciplinary Approaches to Bi- and Multilingualism, International scientific conference, Faculty of Philosophy, Novi Sad, 6 November 2018 (p. 21), Novi Sad: Bölcsészettudományi Kar, Magyar Nyelv és Irodalom Tanszék, ISBN 978-86-6065-482-5.
- Folić, R., Folić, B., Miličić, I. (2018): Strut-and-Tie model for analysis of piles cap, Conference Proceedings 6th International Conference Contemporary Achievements in Civil Engineering 2018, Faculty of Civil Engineering, Subotica, Book of Abstract, pp. 19, Full paper on CD Rom, pp. 33 - 43. (ISBN 978-86-80297-73-6)
- Miličić, I., Prokić, A., Folić, R., Computer simulation 1D model induced of two frequent by the action of external displacement - Part 2., Conference proceedings 6th International Conference Contemporary Achievements in Civil Engineering 2018, Faculty of Civil Engineering, Subotica, Book of Abstract, pp. 41, Full paper on CD Ro pp. 193 - 202. (ISBN 978-86-80297-73-6)
- Kurtovic Folic, N., Folić, R. (2018). Cooperation Between Architects and Structural Engineers in the Design of Complex Reinforced Roof Structures, *Book of Proceedings of the Scientific Conference with International Participation – Contemporary theory and practice in Construction XII*, (B.Antunovic, ed.), May 20-21, Banja Luka, University of Banja Luka, Faculty of Architecture, Civil Engineering and Geodesy, pp.455-470. DOI: 10.7251/STP1813455F, ISSN 2566-4484.
- Babić, L., Folić, R., Lađinović, Đ. (2018): Influence of by number on seismic behaviour of RC infil frames, Sixt International Conference Earthquake Engineering and Engineering Seismology (Ed. R. Folić), pp. 187-200, Kraljevo 13-16. June, 2018. UDC: 624.012.45.042.7 (624.138.2); ISBN 978-86-88897-11-2.
- Čokić, M., Folić, R., Lađinović,Đ. (2018): Design of fragility curves for frame system RC buildings, Sixt International Conference Earthquake Engineering and Engineering



- Seismology (Ed. R. Folić), pp. 179 - 186; Kraljevo 13-16. June, 2018. UDC: 624.012.45.072.33.04; ISBN 978-86-88897-11-2.
- Petronijević, P., Folić, R. (2018): Role of plastic hinges in RC walls under seismic loads, Sixth International Conference Earthquake Engineering and Engineering Seismology (Ed. R. Folić), pp. 275 -284; Kraljevo 13-16. June, 2018. UDC: 624.012.4.042.7 ISBN 978-86-88897-11-2.
  - Stanojev, M. Lj., Folić, R. (2018): Structural behaviour of RC building with seismic isolators and dampers, Proc. of the 6th International Conference Earthquake Engineering and Engineering Seismology, Association of Civil Engineers of Serbia, Kraljevo, 13.-15. Jun, 2018, (Ed. R. Folić); pp: 421- 430; UDC: 624.012.45.042.7 ISBN 978-86-88897-11-2.
  - Serdar, N., Folić, R. (2018): Ductility Displacement Ratio In Damage Analysis Of RC Curved Bridges, 16th ECEE, Thessaloniki, 18-21 June 2018, ID: 12350, p. 11.
  - Stanojev, M. Lj., Folić, R., Liolios, Ang. (2018): Nonlinear Response of an RC Building with Seismic Isolators and Dissipaters, 16th ECEE, Thessaloniki, 18-21 June 2018, ID: 12325, p. 11.
  - Serdar, N., Folić, R. (2018): Seismic resistance analysis of bridge abutment – using simplified and more accurate models, Scientific Conference Planning, Design, Construction and Building Renewal, INDIS 2018, N. Sad, 21-23 November 2018, Proc. pp. 231 – 239. ISBN 978-86-6022-105-8
  - Babić, R., Babić, L., Folić, R. (2018): New design of tunnel hoods for high speed trains, Association of Structural Engineers of Serbia, 15th CONGRESS, S-96, September, 6-8, 2018, Zlatibor, pp. 655 – 663; ISBN 078-86-6022-069-3
  - Serdar, N., Folić, R. (2018): Effects of selection and scaling methods used for ground motion data on determination of seismic response of RC bridge, Proc. of Faculty of Civil Eng. Subotica (Zbornika Građevinskog fakulteta u Subotici), 33/2018, str. 9 – 20. UDK: 624.21.042:699.841; DOI:10.14415/zbornikGFS33.001; CC-BY-SA 4.0 license
  - Memić, M., Folić, R. (2018): Model sanacije AB potporne konstrukcije – Studija slučaja, 15. Kongres Društva građevinskih konstruktera Srbije, S-8, 6-8. 9, 2018, Zlatibor, str. 209 – 218. ISBN 078-86-6022-069-3
  - Zenunović, D., Topalović, N., Folić, R. (2018): Analiza vibracija mostovskih konstrukcija i okolnog tla, Scientific Conference Planning, Design, Construction and Building Renewal, INDIS 2018, N. Sad, 21-23 November 2018, Str. pp. 909 – 916. ISBN 978-86-6022-105-8

## 5. Domestic and International Projects

The members are included into 10 domestic and international projects financially supported by European Union.

- **Erasmus Mobility Program:** Technical University of Kaunas, Litvanija, 2018
- **CEEPUS Program:** University of Szeged, Hungary, 2018
- **CEEPUS Program:** University of Osijek, Faculty of Mechanical Engineering in Slavonski Brod, 2018
- **EU project:** COST DENORMS (Designs for Noise Reducing Materials and Structures) CA15216, 2016-
- **EU project:** Strengthening Educational Capacities by Building Competences and Cooperation in the Field of Noise and Vibration Engineering, SENVIBE, 2018-

- Metode modeliranja na više skala sa primenama u biomedicini, Ministarstvo za nauku i tehnološki razvoj Republike Srbije, (No. Proj. OI-174028), 2018
- Primena biomedicinskog inženjeringa u pretkliničkoj i kliničkoj praksi, Ministarstvo za nauku i tehnološki razvoj Republike Srbije, (No. Proj. IT-41007), 2018
- Mech-In-Mech, Ministarstvo za nauku i tehnološki razvoj Republike Srbije, 2018
- I. Bikit, Nuclear methods of investigation of rear occasions and cosmic radiation, Ministry of Sciences and Technological Development of Serbia (No. OI171002), 2018.
- Project: Matematički modeli nelinearnosti, neodređenosti i odlučivanja, Ministarstvo prosvete, nauke i tehnološkog razvoja Srbije, Osnovna istraživanja, br. projekta: 174009, 2011 – 2019.

## 6. Editors and Members of Editorial Boards of Journals and Proceedings

Some of the journals where the members of Academy are members are mentioned.

- *Mechanism and Machine Theory*, 2018.
- *Romanian Journal of Mechanics*, 2018.
- Scripta Medica (ISSN 0350-8218, Banja Luka, BiH)
- South-East European Journal of Ophthalmology (ISSN 1840-0248, Budapest, Hu)
- Acta Ophthalmologica (ISSN: 2334-9654), Udruženje Oftalmologa Srbije, Beograd)
- Eko-Med-plus Časopis za zdravlje i ekologiju (ISSN: 2334-7252, Novi Sad)
- Fuzzy Sets and Systems, Elsevier, urednik oblasti Measure Theory, 1998 - <https://www.journals.elsevier.com/fuzzy-sets-and-systems/editorial-board>
- Soft Computing, Springer, urednik oblasti Foundations, 2015 - <https://www.springer.com/engineering/computational+intelligence+and+complexity/journal/500?detailsPage=editorialBoard>
- Tatra Mountains Mathematical Publications, član uređivačkog odbora, 1993 - .
- Yugoslav journal of operation research, član uređivačkog odbora ,1988 - .
- Acta Polytechnica Hungarica, član uređivačkog odbora, 2003 - .
- The Journal of Nonlinear Science and its Application (TJNSA), član uređivačkog odbora, 2008- .
- Applied Computational Intelligence and Soft Computing, član uređivačkog odbora, 2014-
- Panoeconomicus, član uređivačkog odbora, 2006-
- Građevinski materijali i konstrukcije (Building Materials and Structures) No. 1, 186; No. 2, 84; No. 3, 80; No. 4, 75. ISSN 2217-8139 (Print); ISSN 2334-0229 (Online), 2018
- Zbornik radova (Urednici: Radonjanin, V. Folić R.): Savremena građevinska praksa, Andrevlje, 2018, str. 181. ISBN 978-86-6022-041-9
- Proceeding of the 6th International Conference Earthquake Engineering and Engineering Seismology, Association of Civil Engineers of Serbia, Kraljevo, 13.-15. Jun, 2018; ISSN 978-86-88897-11-2; CIP NB Srbije 624.042.7(082); 699.841(082); 550.34(082); str. 532.
- Zbornik radova (Urednici: Radonjanin, V. Folić R.): 14. Scientific Conf. Planning, Design, Construction and Renewal in the Civil Engineering, INDIS 2018, ISBN 978-86-6022-105-8; Ukupno 1290 str. 21-23 Oktobar, 2019, Novi Sad

## **7. Members of Scientific Boards at Conferences**

The members of Academy were very active in organizing of the scientific conferences.

- SINTEZA 2018, International scientific conference of IT and Business Related Research, Belgrade.
- Linz Seminar on Fuzzy Set Theory 2018, Linz, February.
- FSTA 2018 International conference on fuzzy set theory and applications, Liptovsky Jan, Slovakia.
- SYMOPIS 2018, Simpozijum o operacionim istraživanjima, Serbia.