

Papers in ISI Journals

1. Abdullah, A.D., Popescu, I., Dastgheib, A., van der Zaag, P., Masih, I., Karim, U.F.A. Analysis of Possible Actions to Manage the Longitudinal Changes of Water Salinity in a Tidal River, *WATER RESOURCES MANAGEMENT*, Volume: 31, Issue: 7, Pages: 2157-2171, ISSN: 0920-4741, eISSN: 1573-1650, 2017;
2. Albulescu, C.T., Oros, C., Tiwari, A.K. Is there any convergence in health expenditures across EU countries?, *ECONOMICS BULLETIN*, Volume: 37, Issue: 3, Pages: 2095-2101, ISSN: 1545-2921, 2017;
3. Albulescu, C.T., Goyeau, D., Tiwari, A.K. Co-movements and contagion between international stock index futures markets, *EMPIRICAL ECONOMICS*, Volume: 52, Issue: 4, Pages: 1529-1568, ISSN: 0377-7332, eISSN: 1435-8921, 2017;
4. Albulescu, C.T., Oros, C., Tiwari, A.K. Oil price-inflation pass-through in Romania during the inflation targeting regime, *APPLIED ECONOMICS*, Volume: 49, Issue: 15, Pages: 1527-1542, ISSN: 0003-6846, eISSN: 1466-4283, 2017;
5. Albulescu, C.T., Aubin, C., Goyeau, D. Stock prices, inflation and inflation uncertainty in the US: testing the long-run relationship considering Dow Jones sector indexes, *APPLIED ECONOMICS*, Volume: 49, Issue: 18, Pages: 1794-1807, ISSN: 0003-6846, eISSN: 1466-4283, 2017;
6. Albulescu, C.T. UK business cycle synchronization with Germany and the US: New evidence from time-frequency domain and structure of economic growth, *APPLIED ECONOMICS LETTERS*, Volume: 24, Issue: 1, Pages: 67-71, ISSN: 1350-4851, eISSN: 1466-4291, 2017;
7. Amaricai, A., Sicoe, O., Boncalo, O. On the Redundant Representation of Partial Remainders in Radix-4 SRT Dividers, *JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS*, Volume: 26, Issue: 6, Article Number: 1750097, ISSN: 0218-1266, eISSN: 1793-6454, 2017;
8. Amaricai, A. Design Trade-offs in Configurable FPGA Architectures for K-Means Clustering, *STUDIES IN INFORMATICS AND CONTROL*, Volume: 26, Issue: 1, Pages: 43-48, ISSN: 1220-1766, 2017;
9. Ancusa, V.M., Ban, O., Cornea, M. An Intelligent Method to Process Romanian Language Internet Reviews, *BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE*, Volume: 8, Issue: 3, Pages: 77-84, ISSN: 2067-3957, 2017;
10. Ancusa, V.M., Dragoe, C.M. Cursor Movement - a Valuable Indicator in Intelligent System Design, *BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE*, Volume: 8, Issue: 2, Pages: 45-55, ISSN: 2067-3957, 2017;
11. Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Bovik, A.C. Single-Scale Fusion: An Effective Approach to Merging Images, *IEEE TRANSACTIONS ON IMAGE PROCESSING*, Volume: 26, Issue: 1, Pages: 65-78, PubMed ID: 27810821, ISSN: 1057-7149, eISSN: 1941-0042, 2017;
12. Anghel, I., Lalu, O., Codescu, S., Pesic, D.J., Branisteanu, B., Popa, C. EXPERIMENTAL INVESTIGATION ON THE CHARACTERISTICS OF FIRES IN A REDUCED 1/10 SCALE ROAD TUNNEL USING DIFFERENT COMBUSTIBLE LIQUID POOLS, *ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING*, Volume: 60, Issue: 2, Pages: 217-226, ISSN: 1221-5872, 2017;
13. Ardelean, E., Soicalici, A., Pascu, L., Putan, V., Heput, T. Laboratory Researches Regarding Wear of the Composite Materials for Making Brake Shoes, *MATERIALE PLASTICE*, Volume: 54, Issue: 2, Pages: 203-206, ISSN: 0025-5289, 2017;
14. Ardelean, M., Manea, F., Pop, A., Pode, R., Schoonman, J. ELECTROCHEMICAL DETECTION OF FLUOXETINE IN WATER USING A SILVER MODIFIED ZEOLITE-CARBON NANOFIBER ELECTRODE, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, Volume: 16, Issue: 4, Pages: 829-836, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
15. Babau, C., Marcu, M., Tihu, M., Telbis, D., Cretu, V. A Personalized Multi-Path and Multi-User Traffic Analysis and Visualization Tool, *ACTA CYBERNETICA*, Volume: 23, Issue: 2, Pages: 441-470, ISSN: 0324-721X, 2017;
16. Baciu, A., Manea, F., Pop, A., Pode, R., Schoonman, L. Simultaneous voltammetric detection of ammonium and nitrite from groundwater at silver-electrodecorated carbon nanotube electrode, *PROCESS SAFETY AND ENVIRONMENTAL PROTECTION*, Volume: 108, Special Issue: SI, Pages: 18-25, ISSN: 0957-5820, eISSN: 1744-3598, 2017;
17. Baloi, M.A., Crucean, C. Fermion production by a dependent of time electric field in de Sitter universe, *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*, Volume: 32, Issue: 36, Special Issue: SI, Article Number: 1750208, ISSN: 0217-751X, eISSN: 1793-656X, 2017;
18. Banica, R., Ursu, D., Nyari, T., Kellenberger, A. Polyol synthesis of silver nanowires in the presence of silver chloride, *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS*, Volume: 19, Issue: 3-4, Pages: 266-271, ISSN: 1454-4164, eISSN: 1841-7132, 2017;
19. Banica, R., Ursu, D., Nyari, T., Kellenberger, A. Two step polyol-solvothermal growth of thick silver nanowires, *MATERIALS LETTERS*, Volume: 194, Pages: 181-184, ISSN: 0167-577X, eISSN: 1873-4979, 2017;

20. Barna, L., Lelea, D. LOW PRESSURE INJECTION OF OXYHYDROGEN IN TURBOCHARGED COMPRESSION IGNITION ENGINES, TEHNICKI VJESNIK-TECHNICAL GAZETTE, Volume: 24, Pages: 287-294, Supplement: 2, ISSN: 1330-3651, eISSN: 1848-6339, 2017;
21. Beilicci, E., David, I., Beilicci, R., Visescu, M. MATHEMATICAL MODEL FOR CALCULATION OF SOIL LOSS ON WATERSHED SLOPES, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 16, Issue: 10, Pages: 2211-2218, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
22. Beiu, R.M., Beiu, V., Duma, V.F. Fiber optic mechanical deformation sensors employing perpendicular photonic crystals, OPTICS EXPRESS, Volume: 25, Issue: 19, Pages: 23388-23398, PubMed ID: 29041640, ISSN: 1094-4087, 2017;
23. Belega, D., Petri, D. Effect of noise and harmonics on sine-wave frequency estimation by interpolated DFT algorithms based on few observed cycles, SIGNAL PROCESSING, Volume: 140, Pages: 207-218, ISSN: 0165-1684, eISSN: 1879-2677, 2017;
24. Bento, A.J.G., Lupa, N., Megan, M., Silva, C.M. INTEGRAL CONDITIONS FOR NONUNIFORM mu-DICHOTOMY ON THE HALF-LINE, DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B, Volume: 22, Issue: 8, Special Issue: SI, Pages: 3063-3077, ISSN: 1531-3492, eISSN: 1553-524X, 2017;
25. Bera, S., Sarac, B., Balakin, S., Ramasamy, P., Stoica, M., Calin, M., Eckert, J. Micro-patterning by thermoplastic forming of Ni-free Ti-based bulk metallic glasses, MATERIALS & DESIGN, Volume: 120, Pages: 204-211, ISSN: 0264-1275, eISSN: 1873-4197, 2017;
26. Biliuta, G., Sacarescu, L., Socoliuc, V., Iacob, M., Gheorghe, L., Negru, D., Coseri, S. Carboxylated Polysaccharides Decorated with Ultrasmall Magnetic Nanoparticles with Antibacterial and MRI Properties, MACROMOLECULAR CHEMISTRY AND PHYSICS, Volume: 218, Issue: 10, Article Number: 1700062, ISSN: 1022-1352, eISSN: 1521-3935, 2017;
27. Binzar, T., Lazareanu, C. On the Wold-Type Decompositions for n-Tuples of Commuting Isometric Semigroups, FILOMAT, Volume: 31, Issue: 5, Pages: 1251-1264, ISSN: 0354-5180, 2017;
28. Bistrian, D.A., Navon, I.M. The method of dynamic mode decomposition in shallow water and a swirling flow problem, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, Volume: 83, Issue: 1, Pages: 73-89, ISSN: 0271-2091, eISSN: 1097-0363, 2017;
29. Bistrian, D.A., Navon, I.M. Randomized dynamic mode decomposition for nonintrusive reduced order modelling, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, Volume: 112, Issue: 1, Pages: 3-25, ISSN: 0029-5981, eISSN: 1097-0207, 2017;
30. Bizerea-Spiridon, O., Nartita, R., Rogobete, A.F., Negrea, A., Stroescu, R., Bizerea, T.O., Ilie, C., Marginean, O. Spectrophotometric Determination of Selenium Through Triiodide Anion, CLINICAL LABORATORY, Volume: 63, Issue: 5-6, Pages: 887-899, PubMed ID: 28627816, ISSN: 1433-6510, 2017;
31. Bogdan, R. Integrating MOOCs in Embedded Systems Blended Courses, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 8, Issue: 3, Pages: 101-107, ISSN: 2067-3957, 2017;
32. Bogdan, R. Sentiment Analysis on Embedded Systems Blended Courses, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 8, Issue: 1, Pages: 17-23, ISSN: 2067-3957, 2017;
33. Bojan-Dragos, C.A., Precup, R.E., Tomescu, M.L., Preitl, S., Tanasoiu, O.M., Hergane, S. Proportional-Integral-Derivative Gain-Scheduling Control of a Magnetic Levitation System, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 12, Issue: 5, Pages: 599-611, ISSN: 1841-9836, eISSN: 1841-9844, 2017;
34. Boran, S., Nitu, S. Synthesis and Characterization of Some Ester-type Biolubricants of Soiabean Fatty Acids, MATERIALE PLASTICE, Volume: 54, Issue: 2, Pages: 386-389, ISSN: 0025-5289, 2017;
35. Bordeasu, I., Mitelea, I., Lazar, I., Micu, L.M., Karancsi, O. Cavitation Erosion Behaviour of Cooper Base Layers Deposited by HVOF Thermal Spraying, REVISTA DE CHIMIE, Volume: 68, Issue: 12, Pages: 2914-2917, ISSN: 0034-7752, 2017;
36. Borlea, I.D., Precup, R.E., Dragan, F., Borlea, A.B. Centroid Update Approach to K-Means Clustering, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 17, Issue: 4, Pages: 3-10, ISSN: 1582-7445, eISSN: 1844-7600, 2017;
37. Boros, I., Tanasa, C., Stoian, V., Dan, D. LIFE CYCLE ASSESSMENT AND LIFE CYCLE COST ANALYSIS OF A NEARLY ZERO ENERGY RESIDENTIAL BUILDING - A CASE STUDY, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 16, Issue: 3, Pages: 695-704, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
38. Bota, C., Caruntu, B., Lazareanu, C. THE LEAST SQUARE HOMOTOPY PERTURBATION METHOD FOR BOUNDARY VALUE PROBLEMS, APPLIED AND COMPUTATIONAL MATHEMATICS, Volume: 16, Issue: 1, Pages: 39-47, ISSN: 1683-3511, eISSN: 1683-6154, 2017;

39. Bota, C., Caruntu, B. Analytical approximate solutions for quadratic Riccati differential equation of fractional order using the Polynomial Least Squares Method, *CHAOS SOLITONS & FRACTALS*, Volume: 102, Pages: 339-345, ISSN: 0960-0779, eISSN: 1873-2887, 2017;
40. Bota, C., Caruntu, B. ANALYTIC APPROXIMATE SOLUTIONS FOR A CLASS OF VARIABLE ORDER FRACTIONAL DIFFERENTIAL EQUATIONS USING THE POLYNOMIAL LEAST SQUARES METHOD, *FRACTIONAL CALCULUS AND APPLIED ANALYSIS*, Volume: 20, Issue: 4, Pages: 1043-1050, ISSN: 1311-0454, eISSN: 1314-2224, 2017;
41. Bota, C., Caruntu, B. Approximate analytical solutions of nonlinear differential equations using the Least Squares Homotopy Perturbation Method, *JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS*, Volume: 448, Issue: 1, Pages: 401-408, ISSN: 0022-247X, eISSN: 1096-0813, 2017;
42. Bota, C. The approximation of solutions for second order nonlinear oscillators using the polynomial least square method, *JOURNAL OF NON-LINEAR SCIENCES AND APPLICATIONS*, Volume: 10, Issue: 1, Pages: 234-242, ISSN: 2008-1898, eISSN: 2008-1901, 2017;
43. Broasca, L., Ancusa, V.M., Ciocarlie, H. Social Media as Medical Validator, *BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE*, Volume: 8, Issue: 3, Pages: 47-56, ISSN: 2067-3957, 2017;
44. Buncianu, D., Tessier-Doyen, N., Courreges, F., Absi, J. Effect of thermal treatment of a clay-based raw material on porosity and thermal conductivity: experimental approach, image processing and numerical simulation, *EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING*, Volume: 21, Issue: 10, Pages: 1270-1284, ISSN: 1964-8189, eISSN: 2116-7214, 2017;
45. Buse, C., O'Regan, D., Saierli, O. An inequality concerning the growth bound of an evolution family and the norm of a convolution operator, *SEMIGROUP FORUM*, Volume: 94, Issue: 3, Pages: 618-631, ISSN: 0037-1912, eISSN: 1432-2137, 2017;
46. Butnar, L.A., Basarman, A.P., Tranisan, D.I., Groza, I. FEA Deformations Analysing of the Polyurethane Armchair Seat, *MATERIALE PLASTICE*, Volume: 54, Issue: 3, Pages: 593-595, ISSN: 0025-5289, 2017;
47. Calinou, D.G., Trif-Tordai, G., Ionel, I. REVIEW OF SOLAR IRRADIANCE MODEL UNDER CLEAR SKY CONDITION, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 18, Issue: 1, Pages: 158-167, ISSN: 1311-5065, 2017;
48. Casu, I., Lazureanu, C. Stability and Integrability Aspects for the Maxwell - Bloch Equations with the Rotating Wave Approximation, *REGULAR & CHAOTIC DYNAMICS*, Volume: 22, Issue: 2, Pages: 109-121, ISSN: 1560-3547, eISSN: 1468-4845, 2017;
49. Cebrcean, D., Cebrcean, V., Ionel, I., Spleithoff, H. Performance of two iron-based syngas-fueled chemical looping systems for hydrogen and/or electricity generation combined with carbon capture, *CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY*, Volume: 19, Issue: 2, Pages: 451-470, ISSN: 1618-954X, eISSN: 1618-9558, 2017;
50. Cernescu, A. The influence of crack tip shielding on fatigue crack propagation, *FRATTURA ED INTEGRITA STRUTTURALE*, Issue: 41, Pages: 307-313, ISSN: 1971-8993, 2017;
51. Chirila, C.B. Auto-generative Learning Objects in Online Assessment of Data Structures Disciplines, *BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE*, Volume: 8, Issue: 1, Pages: 24-34, ISSN: 2067-3957, 2017;
52. Cioabă, A.E., Djuric, A., Dumitrel, G.A., Chirila, D., Pode, V. BIOGAS PRODUCTION USING WASTE WATERS – INFLUENCE OF PROCESS PARAMETERS FOR TEST RIG AT LABORATORY SCALE, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, Volume: 62, Issue: 1, Pages: 51-60, ISSN: 1224-7154, 2017;
53. Cioabă, A.E., Dumitrel, G.A., Ionel, I. Evaluation by Kinetic Models of Anaerobic Digestion Performances for Various Substrates and Co-substrates, *REVISTA DE CHIMIE*, Volume: 68, Issue: 11, Pages: 2614-2617, ISSN: 0034-7752, 2017;
54. Cioabă, A.E., Pop, N., Trif-Tordai, G., Calinou, D.G. Comparative analysis of agricultural materials influenced by anaerobic fermentation for biogas production in terms of ash melting behavior, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 127, Issue: 1, Pages: 515-523, ISSN: 1388-6150, eISSN: 1588-2926, 2017;
55. Ciobanu, M., Naaji, A., Dascal, I., Virag, I. Pseudo-holographic Displays as Teaching Tools in Mathematics, *BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE*, Volume: 8, Issue: 3, Pages: 108-118, ISSN: 2067-3957, 2017;
56. Cioca, L.I., Ivascu, L. Risk Indicators and Road Accident Analysis for the Period 2012–2016, *SUSTAINABILITY*, Volume: 9, Issue: 9, Article Number: 1530, ISSN: 2071-1050, 2017;

57. Cioca, M., Ivascu, L., Cioca, L.I. SAFETY PERFORMANCE INDICATORS IN THE METALLURGICAL INDUSTRY USING WEB PROGRAMMING, METALURGIJA, Volume: 56, Issue: 1-2, Pages: 272-274, ISSN: 0543-5846, eISSN: 1334-2576, 2017;
58. Ciurdariu, L. SOME APPLICATIONS OF YOUNG-TYPE INEQUALITIES FOR OPERATORS AND MATRICES, JOURNAL OF SCIENCE AND ARTS, Issue: 4, Pages: 631-640, ISSN: 1844-9581, 2017;
59. Corici, L.N., Shova, S., Badea, V., Aparaschivei, D., Costisor, O., Cseh, L. Investigations on the photochromic properties of 2,6-bis(5-bromo-2-hydroxybenzylidene)cyclohexanone, PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, Volume: 16, Issue: 6, Pages: 946-953, PubMed ID: 28443924, ISSN: 1474-905X, eISSN: 1474-9092, 2017;
60. Coricovac, D.E., Moaca, E.A., Pinzaru, I., Citu, C., Soica, C., Mihali, C.V., Pacurariu, C., Tutelyan, V.A., Tsatsakis, A., Dehelean, C.A. Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile, FRONTIERS IN PHARMACOLOGY Volume: 8 Article Number: UNSP 154, PubMed ID: 28400730, ISSN: 1663-9812, 2017;
61. Cornea, O., Andreescu, G.D., Muntean, N., Hulea, D. Bidirectional Power Flow Control in a DC Microgrid Through a Switched-Capacitor Cell Hybrid DC-DC Converter, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 4, Pages: 3012-3022, ISSN: 0278-0046, eISSN: 1557-9948, 2017;
62. Craciunescu, I., Petran, A., Liebscher, J., Vekas, L., Turcu, R. Synthesis and characterization of size-controlled magnetic clusters functionalized with polymer layer for wastewater depollution, MATERIALS CHEMISTRY AND PHYSICS, Volume: 185, Pages: 91-97, ISSN: 0254-0584, eISSN: 1879-3312, 2017;
63. Davidescu, C.M., Gabor, A., Negrea, A., Ciopec, M., Negrea, P., Motoc, M. Novel Adsorbent Used for Cesium Removal from Aqueous Solutions, REVISTA DE CHIMIE, Volume: 68, Issue: 3, Pages: 470-473, ISSN: 0034-7752, 2017;
64. De Sabata, A., Matekovits, L., Lipan, O. Band pattern of commensurate modulated periodic structures, IET MICROWAVES ANTENNAS & PROPAGATION, Volume: 11, Issue: 9, Pages: 1303-1307, ISSN: 1751-8725, eISSN: 1751-8733, 2017;
65. Dinu, F., Marginean, I., Dubina, D. Experimental testing and numerical modelling of steel moment-frame connections under column loss, ENGINEERING STRUCTURES, Volume: 151, Pages: 861-878, ISSN: 0141-0296, eISSN: 1873-7323, 2017;
66. Dogariu, A.I., Dubina, D. STRENGTHENING OF MASONRY SHEAR WALLS BASED ON METAL SOLUTIONS. PART II: FE-MODEL FOR THE PERFORMANCE EVALUATION, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 2, Pages: 158-165, ISSN: 1454-9069, 2017;
67. Dogariu, A.I., Dubina, D. STRENGTHENING OF MASONRY SHEAR WALLS BASED ON METAL SOLUTIONS. PART I: EXPERIMENTAL INVESTIGATION, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 1, Pages: 81-88, ISSN: 1454-9069, 2017;
68. Dorin, R., Feier, A., Petzek, E., Bancila, R. Refurbishment of Existing Steel Structures - an Actual Problem, PERIODICA POLYTECHNICA-CIVIL ENGINEERING, Volume: 61, Issue: 3, Pages: 621-631, ISSN: 0553-6626, 2017;
69. Dubar, I.G., Bogdan, R., Popa, M. External Rapid Prototyping Validation System for the Automotive Development Cycle, ACTA POLYTECHNICA HUNGARICA, Volume: 14, Issue: 6, Pages: 41-57, ISSN: 1785-8860, 2017;
70. Duca, D.A., Dan, M.L., Vasilcsin, N. REUSE OF EXPIRED CEFORT DRUG IN NICKEL ELECTRODEPOSITION FROM WATTS BATH, CHEMISTRY JOURNAL OF MOLDOVA, Volume: 12, Issue: 1, Pages: 87-94, ISSN: 1857-1727, eISSN: 2345-1688, 2017;
71. Duma, V.F. POLYGONAL MIRROR LASER SCANNING HEADS: CHARACTERISTIC FUNCTIONS, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 1, Pages: 25-33, ISSN: 1454-9069, 2017;
72. Dumitrel, G.A., Glevitzky, M., Popa, M., Chirila, D., Palea, A. MONITORING OF LEAD, COPPER AND CADMIUM CONTAMINATION LEVEL OF SOIL FROM ZLATNA REGION ROMANIA, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 18, Issue: 1, Pages: 55-62, ISSN: 1311-5065, 2017;
73. Dumitrel, G.A., Cioabla, A.E., Ionel, I., Varga, L.A. Experimental and Modelling Approach of Biogas Production by Anaerobic Digestion of Agricultural Resources, REVISTA DE CHIMIE, Volume: 68, Issue: 6, Pages: 1294-1297, ISSN: 0034-7752, 2017;

74. Dumitru, R., Manea, F., Lupa, L., Pacurariu, C., Ianculescu, A., Baciu, A., Negrea, S. Synthesis, characterization of nanosized CoAl2O4 and its electrocatalytic activity for enhanced sensing application, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 128, Issue: 3, Pages: 1305-1312, ISSN: 1388-6150, eISSN: 1588-2926, 2017;
75. Elfimova, E.A., Ivanov, A.O., Popescu, L.B., Socoliu, V. Transverse magneto-optical anisotropy in bidisperse ferrofluids with long range particle correlations, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, Volume: 431, Pages: 54-58, ISSN: 0304-8853, eISSN: 1873-4766, 2017;
76. Enache, A., Dan, M., Kellenberger, A., Vaszilcsin, N. Anodic oxidation of sulphite in alkaline aqueous solution on graphite electrode, BULGARIAN CHEMICAL COMMUNICATIONS, Volume: 49, Special Issue: C, Pages: 139-146, ISSN: 0324-1130, 2017;
77. Enache, A.F., Dan, M.L., Vaszilcsin, N. ANODIC OXIDATION OF SULPHITE IN ALKALINE MEDIA ON PLATINUM NANOPARTICLES MODIFIED NICKEL ELECTRODE, CHEMISTRY JOURNAL OF MOLDOVA, Volume: 12, Issue: 1, Pages: 102-109, ISSN: 1857-1727, eISSN: 2345-1688, 2017;
78. Ene, R.D., Pop, C. Some new remarks on MHD Jeffery-Hamel fluid flow problem, OPEN PHYSICS, Volume: 15, Issue: 1, Pages: 819-826, ISSN: 2391-5471, 2017;
79. Enslin, J.H., Blaabjerg, F., Tan, D. The Future of Electronic Power Processing and Conversion Highlights from FEPPCON IX, IEEE POWER ELECTRONICS MAGAZINE, Volume: 4, Issue: 3, Pages: 28-32, ISSN: 2329-9207, eISSN: 2329-9215, 2017;
80. Fagadar-Cosma, E., Badea, V., Fagadar-Cosma, G., Palade, A., Lascu, A., Fringu, I., Birdeanu, M. Trace Oxygen Sensitive Material Based on Two Porphyrin Derivatives in a Heterodimeric Complex, MOLECULES, Volume: 22, Issue: 10, Article Number: 1787, ISSN: 1420-3049, 2017;
81. Feier, F., Silea, I., Angelescu, C., Sacala, I.S., Moisescu, M.A. Sound Analysis System of Newborn Cry during Blood Draw with Cerebral Oximetry Monitoring, CONTROL ENGINEERING AND APPLIED INFORMATICS, Volume: 19, Issue: 2, Pages: 11-19, ISSN: 1454-8658, 2017;
82. Feniser, C., Burz, G., Mocan, M., Ivascu, L., Gherhes, V., Otel, C.C. The Evaluation and Application of the TRIZ Method for Increasing Eco-Innovative Levels in SMEs, SUSTAINABILITY, Volume: 9, Issue: 7, Article Number: 1125, ISSN: 2071-1050, 2017;
83. Filip, I., Szeidert, I. Tuning the control penalty factor of a minimum variance adaptive controller, EUROPEAN JOURNAL OF CONTROL, Volume: 37, Pages: 16-26, ISSN: 0947-3580, eISSN: 1435-5671, 2017;
84. Filip-Vacarescu, N., Vulcu, C., Dubina, D. NUMERICAL STUDY OF A HYBRID DAMPING SYSTEM COMPOSED OF A BUCKLING RESTRAINED BRACE WITH A MAGNETO RHEOLOGICAL DAMPER, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 3, Pages: 273-280, ISSN: 1454-9069, 2017;
85. Filipovici, A., Tucu, D., Bialowiec, A., Bukowski, P., Crisan, G.C., Lica, S., Pulka, J., Djyakon, A., Debowski, M. Effect of Temperature and Heating Rate on the Char Yield in Sorghum and Straw Slow Pyrolysis, REVISTA DE CHIMIE, Volume: 68, Issue: 3, Pages: 576-580, ISSN: 0034-7752, 2017;
86. Filippov, S.N., Magadov, K.Y., Jivulescu, M.A. Absolutely separating quantum maps and channels, NEW JOURNAL OF PHYSICS, Volume: 19, Article Number: 083010, ISSN: 1367-2630, 2017;
87. Foroughi, A., Ashuri, H., Tavakoli, R., Stoica, M., Sopu, D., Eckert, J. Structural modification through pressurized sub-T-g annealing of metallic glasses, JOURNAL OF APPLIED PHYSICS, Volume: 122, Issue: 21, Article Number: 215106, ISSN: 0021-8979, eISSN: 1089-7550, 2017;
88. Frandes, M., Deiac, A.V., Timar, B., Lungceanu, D. Instrument for assessing mobile technology acceptability in diabetes self-management: a validation and reliability study, PATIENT PREFERENCE AND ADHERENCE, Volume: 11, Pages: 259-269, PubMed ID: 28243069, ISSN: 1177-889X, 2017;
89. Fuicu, S., Popa, M., Dobrilovic, D., Marcu, M., Bogdam, R. Developing Distance Learning Environments in the Context of Cross-Border Cooperation, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 8, Issue: 1, Pages: 52-58, ISSN: 2067-3957, 2017;
90. Gabor, A., Davidescu, C.M., Negrea, A., Ciopec, M., Grozav, I., Negrea, P., Duteanu, N. Optimizing the lanthanum adsorption process onto chemically modified biomaterials using factorial and response surface design, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 204, Special Issue: SI, Pages: 839-844, PubMed ID: 28148453, ISSN: 0301-4797, eISSN: 1095-8630, 2017;
91. Gabor, A., Davidescu, C.M., Negrea, A., Ciopec, M., Muntean, C., Negrea, P., Ianasi, C., Butnariu, M. Magnesium silicate doped with environmentally friendly extractants used for rare earth elements adsorption, DESALINATION AND WATER TREATMENT, Volume: 63, Pages: 124-134, ISSN: 1944-3994, eISSN: 1944-3986, 2017;

92. Ganea, G., Verebi, I., Marinescu, R. Continuous quality assessment with inCode, SCIENCE OF COMPUTER PROGRAMMING, Volume: 134, Special Issue: SI, Pages: 19-36, ISSN: 0167-6423, eISSN: 1872-7964, 2017;
93. Gheju, M., Balcu, I. Assisted green remediation of chromium pollution, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 203, Special Issue: SI, Pages: 920-924, Part: 3, PubMed ID: 28479231, ISSN: 0301-4797, eISSN: 1095-8630, 2017;
94. Gheju, M., Balcu, I., Enache, A., Flueras, A. A kinetic approach on hexavalent chromium removal with metallic iron, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 203, Special Issue: SI, Pages: 937-941, Part: 3, PubMed ID: 28318824, ISSN: 0301-4797, eISSN: 1095-8630, 2017;
95. Gherhes, V., Obrad, C. Social Responsibility and Ecological Behaviors towards Selective Waste Collection, MATERIALE PLASTICE, Volume: 54, Issue: 3, Pages: 430-432, ISSN: 0025-5289, 2017;
96. Gillich, E.V., Mocan, M., Mituletu, I.C., Korka, Z.I. Process Monitoring in Precision Machining using Optical Sensors, ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION, Volume: 14, Issue: 1, Pages: 50-53, ISSN: 1584-7284, 2017;
97. Grigore, A., Szuhanek, C., Onisei, D., Cernescu, A. A Comparative Study Regarding the Deformation Values of Orthodontic Aligners, MATERIALE PLASTICE, Volume: 54, Issue: 3, Pages: 572-573, ISSN: 0025-5289, 2017;
98. Grigorie, A.C., Muntean, C., Vlase, T., Locovei, C., Stefanescu, M. ZnO-SiO₂ based nanocomposites prepared by a modified sol-gel method, MATERIALS CHEMISTRY AND PHYSICS, Volume: 186, Pages: 399-406, ISSN: 0254-0584, eISSN: 1879-3312, 2017;
99. Groza, B., Murvay, S., Van Herrewege, A., Verbauwheide, I. LiBrA-CAN: Lightweight Broadcast Authentication for Controller Area Networks, ACM TRANSACTIONS ON EMBEDDED COMPUTING SYSTEMS, Volume: 16, Issue: 3, Special Issue: SI, Article Number: 90, ISSN: 1539-9087, eISSN: 1558-3465, 2017;
100. Hadaruga, D.I., Birau, C.L., Gruia, A.T., Paunescu, V., Bandur, G.N., Hadaruga, N.G. Moisture evaluation of beta-cyclodextrin/fish oils complexes by thermal analyses: A data review on common barbel (*Barbus barbus* L.), Pontic shad (*Alosa immaculata* Bennett), European wels catfish (*Silurus glanis* L.), and common bleak (*Alburnus alburnus* L.) living in Danube river, FOOD CHEMISTRY, Volume: 236, Pages: 49-58, PubMed ID: 28624089, ISSN: 0308-8146, eISSN: 1873-7072, 2017;
101. Haidu, D., Negrea, A., Ianasi, C., Antal, D., Sfirloaga, P., Kurunczi, L. CONTRADICTORY ASPECTS OF BIOACCUMULATION. ICP-MS, AN APPROACHABLE METHOD FOR ELEMENTAL CHARACTERIZATION OF CROP MEDICINAL PLANTS, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume: 12, Issue: 2, Pages: 391-400, ISSN: 1842-3582, 2017;
102. Hajaj, T., Talpos, S., Ianes, E., Candea, A., Neagu, A., Szuhanek, C., Negru, R., Negruțiu, M.L., Sinescu, C. Detecting the Implant in vitro Microléakage Using Spectrophotometry and Neutral Red Dye, REVISTA DE CHIMIE, Volume: 68, Issue: 9, Pages: 2151-2154, ISSN: 0034-7752, 2017;
103. Hatiegan, C., Padureanu, I., Jurcu, M.R., Biriescu, M., Raduca, M., Dilertea, F. The evaluation of the insulation performances of the stator coil for the high power vertical synchronous hydro-generators by monitoring the level of partial discharges, ELECTRICAL ENGINEERING, Volume: 99, Issue: 3, Pages: 1013-1020, ISSN: 0948-7921, eISSN: 1432-0487, 2017;
104. Herban, I.S., Vilceanu, C.B., Grecea, C. Road-Structure Monitoring with Modern Geodetic Technologies, JOURNAL OF SURVEYING ENGINEERING, Volume: 143, Issue: 4, Article Number: 05017004, ISSN: 0733-9453, eISSN: 1943-5428, 2017;
105. Holotescu, C., Gotiu, L.O.L., Andone, D., Cismariu, L., Grosseck, G., Slavici, T. Entrepreneurship Learning Ecosystem for Smart Cities through MOOCs, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 8, Issue: 2, Pages: 33-43, ISSN: 2067-3957, 2017;
106. Ianos, R., Babuta, R., Pacurariu, C., Lazau, R., Istratie, R., Butaciu, C. Combustion synthesis of ZnAl2O₄ powders with tuned surface area, CERAMICS INTERNATIONAL, Volume: 43, Issue: 12, Pages: 8975-8981, ISSN: 0272-8842, eISSN: 1873-3956, 2017;
107. Ianos, R., Muntean, E., Pacurariu, C., Lazau, R., Bandas, C., Delinescu, G. Combustion synthesis of a blue Co-doped zinc aluminate near-infrared reflective pigment, DYES AND PIGMENTS, Volume: 142, Pages: 24-31, ISSN: 0143-7208, eISSN: 1873-3743, 2017;
108. Ianos, R., Muntean, E., Babuta, R., Lazau, R., Pacurariu, C., Bandas, C. Combustion synthesis of pink chromium-doped alumina with excellent near-infrared reflective properties, CERAMICS INTERNATIONAL, Volume: 43, Issue: 2, Pages: 2568-2572, ISSN: 0272-8842, eISSN: 1873-3956, 2017;

109. Ilia, R., Liatou, I., Savva, I., Vasile, E., Vekas, L., Marinica, O., Mpekris, F., Pashalidis, I., Krasia-Christoforou, T. Magnetoresponsive polymer networks as adsorbents for the removal of U (VI) ions from aqueous media, *EUROPEAN POLYMER JOURNAL*, Volume: 97, Pages: 138-146, ISSN: 0014-3057, eISSN: 1873-1945, 2017;
110. Ionel, I., Makra, L., Bisorca, D., Bodnar, K., Tusnady, G., Calinou, D.G., Balogh, R.M., St Lontis, N. METHOD TO DEPICT THE BEST AVAILABLE POSITION, WHEN RELOCATING MONITORING STATIONS, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 18, Issue: 1, Pages: 1-9, ISSN: 1311-5065, 2017;
111. Ionescu, D., Kovaci, M. IMPROVING THE DATA STORAGE PERFORMANCES WITH LAYERED NANOWIRES FOR SYNTHETIC ANTIFERROMAGNETIC RACETRACK MEMORIES, *ROMANIAN REPORTS IN PHYSICS*, Volume: 69, Issue: 1, Article Number: 501, ISSN: 1221-1451, eISSN: 1841-8759, 2017;
112. Istratie, R., Babuta, R., Popa, A., Pacurariu, C., Stoia, M. Enhanced Adsorption of p-Nitrophenol from Aqueous Solutions Using a Functionalized Styrene-Divinylbenzene Copolymer, *WATER AIR AND SOIL POLLUTION*, Volume: 228, Issue: 8, Article Number: 276, ISSN: 0049-6979, eISSN: 1573-2932, 2017;
113. Ivan, A., Herman, H., Balta, C., Hadaruga, D.I., Mihali, C.V., Ardelean, A., Hermenean, A. Berberis vulgaris extract/beta-cyclodextrin complex increases protection of hepatic cells via suppression of apoptosis and lipogenesis pathways, *EXPERIMENTAL AND THERAPEUTIC MEDICINE*, Volume: 13, Issue: 5, Pages: 2143-2150, PubMed ID: 28565821, ISSN: 1792-0981, eISSN: 1792-1015, 2017;
114. Jivulescu, M.A., Nechita, I., Gavruta, P. On symmetric decompositions of positive operators, *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL* Volume: 50 Issue: 16 Article Number: 165303, ISSN: 1751-8113, eISSN: 1751-8121, 2017;
115. Keller, A., Chieffo, N., Oprtescu, E., Mosoarca, M., Formisano, A. RESILIENCE OF HISTORIC CITIES AND ADAPTATION TO CLIMATE CHANGE, *URBANISM ARCHITECTURE CONSTRUCTIONS*, Volume: 8, Issue: 1, Pages: 15-26, ISSN: 2069-0509, eISSN: 2069-6469, 2017;
116. Lascu, C., Jafarzadeh, S., Fadali, M.S., Blaabjerg, F. Direct Torque Control With Feedback Linearization for Induction Motor Drives, *IEEE TRANSACTIONS ON POWER ELECTRONICS*, Volume: 32, Issue: 3, Pages: 2072-2080, ISSN: 0885-8993, eISSN: 1941-0107, 2017;
117. Lazareanu, C. The Real-Valued Maxwell-Bloch Equations with Controls: From a Hamilton-Poisson System to a Chaotic One, *INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS*, Volume: 27, Issue: 9, Article Number: 1750143, ISSN: 0218-1274, eISSN: 1793-6551, 2017;
118. Lazareanu, C. On the Hamilton-Poisson realizations of the integrable deformations of the Maxwell-Bloch equations, *COMPTES RENDUS MATHEMATIQUE*, Volume: 355, Issue: 5, Pages: 596-600, ISSN: 1631-073X, eISSN: 1778-3569, 2017;
119. Lazareanu, C. Hamilton-Poisson Realizations of the Integrable Deformations of the Rikitake System, *ADVANCES IN MATHEMATICAL PHYSICS*, Article Number: 4596951, ISSN: 1687-9120, eISSN: 1687-9139, 2017;
120. Lazareanu, C., Binzar, T. Symmetries and Properties of the Energy-Casimir Mapping in the Ball-Plate Problem, *ADVANCES IN MATHEMATICAL PHYSICS*, Article Number: 5164602, ISSN: 1687-9120, eISSN: 1687-9139, 2017;
121. Lazareanu, C. On a Hamilton-Poisson Approach of the Maxwell-Bloch Equations with a Control, *MATHEMATICAL PHYSICS ANALYSIS AND GEOMETRY*, Volume: 20, Issue: 3, Article Number: 20, ISSN: 1385-0172, eISSN: 1572-9656, 2017;
122. Lemle, L.D. ON THE APPROXIMATION OF C-0-SEMITROUPS ON THE DUAL OF A BANACH SPACE, *OPERATORS AND MATRICES*, Volume: 11, Issue: 4, Pages: 1047-1056, ISSN: 1846-3886, 2017;
123. Linul, E., Serban, D.A., Marsavina, L., Kovacik, J. Low-cycle fatigue behaviour of ductile closed-cell aluminium alloy foam, *FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES*, Volume: 40, Issue: 4, Pages: 597-604, ISSN: 8756-758X, eISSN: 1460-2695, 2017;
124. Linul, E., Movahedi, N., Marsavina, L. The temperature effect on the axial quasi-static compressive behavior of ex-situ aluminum foam-filled tubes, *COMPOSITE STRUCTURES*, Volume: 180, Pages: 709-722, ISSN: 0263-8223, eISSN: 1879-1085, 2017;
125. Linul, E., Marsavina, L., Kovacik, J., Sadowski, T. DYNAMIC AND QUASI-STATIC COMPRESSION TESTS OF CLOSED-CELL ALUMINIUM ALLOY FOAMS, *PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE*, Volume: 18, Issue: 4, Pages: 361-369, ISSN: 1454-9069, 2017;
126. Linul, E., Serban, D.A., Marsavina, L., Sadowski, T. Assessment of collapse diagrams of rigid polyurethane foams under dynamic loading conditions, *ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING*, Volume: 17, Issue: 3, Pages: 457-466, ISSN: 1644-9665, eISSN: 2083-3318, 2017;

127. Linul, E., Marsavina, L., Kovacik, J. Collapse mechanisms of metal foam matrix composites under static and dynamic loading conditions, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, Volume: 690, Pages: 214-224, ISSN: 0921-5093, eISSN: 1873-4936, 2017;
128. Lontis, N.S., Mihon, N.L., Vetres, I. NUMERICAL SIMULATION STUDY OF A HYBRID ROAD VEHICLE REGARDING FUEL ECONOMY AND AMBIENT EMISSION DELIVERY, INGINERIA AUTOMOBILULUI, Issue: 43, Pages: 10-15, ISSN: 1842-4074, 2017;
129. Lovasz, E.C., Margineanu, D.T., Ciupe, V., Maniu, I., Gruescu, C.M., Zabava, E.S., Stan, S.D. Design and control solutions for haptic elbow exoskeleton module used in space telerobotics, MECHANISM AND MACHINE THEORY, Volume: 107, Pages: 384-398, ISSN: 0094-114X, 2017;
130. Lupa, L., Popa, A., Dragan, E.S., Ciopec, M., Negrea, A., Negrea, P. Adsorption performance of the organic solid support impregnated with ionic liquid in the removal process of T1(1) from aqueous solutions, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 108, Special Issue: SI, Pages: 67-73, ISSN: 0957-5820, eISSN: 1744-3598, 2017;
131. Lupa, N., Popescu, L.H. A complete characterization of exponential stability for discrete dynamics, JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, Volume: 23, Issue: 12, Pages: 2072-2092, ISSN: 1023-6198, eISSN: 1563-5120, 2017;
132. Madescu, G., Biriescu, M., Tutelea, L.N., Mot, M., Svoboda, M., Boldea, I. Experimental Investigation of Rotor Currents Distribution in the Healthy and Faulty Cage of Induction Motors at Standstill, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 7, Pages: 5305-5313, ISSN: 0278-0046, eISSN: 1557-9948, 2017;
133. Maierean, S.M., Serban, M.C., Sahebkar, A., Ursoniu, S., Serban, A., Penson, P., Banach, M. The effects of cinnamon supplementation on blood lipid concentrations: A systematic review and meta-analysis, JOURNAL OF CLINICAL LIPIDOLOGY, Volume: 11, Issue: 6, Pages: 1393-1406, PubMed ID: 2887086, ISSN: 1933-2874, eISSN: 1876-4789, 2017;
134. Makra, L., Ionel, I., Bodnar, K., Sumeghy, Z., Tusnady, G. ENVIRONMENTAL OBJECTIVE ANALYSIS, RANKING AND CLUSTERING OF HUNGARIAN CITIES, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 18, Issue: 1, Pages: 202-224, ISSN: 1311-5065, 2017;
135. Marian, E., Duteanu, N., Vicas, L., Tita, B., Sfirloaga, P., Jurca, T. Purity Determination of Fusidic Acid Using Physico-chemical Methods, REVISTA DE CHIMIE, Volume: 68, Issue: 7, Pages: 1435-1437, ISSN: 0034-7752, 2017;
136. Marinca, B., Marinca, V. NEW EXACT AND EXPLICIT SOLUTIONS OF THE ZAKHAROV EQUATIONS AND GENERALIZED ZAKHAROV EQUATIONS BY THE QUOTIENT TRIGONOMETRIC FUNCTION EXPANSION METHOD, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 2, Pages: 166-173, ISSN: 1454-9069, 2017;
137. Marinca, V., Ene, R.D. Optimal homotopy perturbation method for nonlinear differential equations governing MHD Jeffery-Hamel flow with heat transfer problem, OPEN PHYSICS, Volume: 15, Issue: 1, Pages: 42-57, ISSN: 2391-5471, 2017;
138. Marinca, V., Ene, R.D., Bereteu, L. Application of the optimal homotopy asymptotic method to nonlinear Bingham fluid dampers, OPEN PHYSICS, Volume: 15, Issue: 1, Special Issue: SI, Pages: 620-626, ISSN: 2391-5471, 2017;
139. Marinescu, R., Antoniac, V.I., Stoia, D.I., Liptoiu, D.C. Clavicle anatomical osteosynthesis plate breakage - failure analysis report based on patient morphological parameters, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 58, Issue: 2, Pages: 593-598, PubMed ID: 28730248, ISSN: 1220-0522, 2017;
140. Marinica, O.M. Study of Static Magnetic Properties of Transformer Oil Based Magnetic Fluids for Various Technical Applications Using Demagnetizing Field Correction, JOURNAL OF NANOMATERIALS, Article Number: 5407679, ISSN: 1687-4110, eISSN: 1687-4129, 2017;
141. Maris, S., Slavici, T., Nenu, P., Baciu, L. Artificial Intelligence as a Decision-making Tool in Planning the Research, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 8, Issue: 3, Pages: 69-76, ISSN: 2067-3957, 2017;
142. Maroiu, A.C., Sinescu, C., Negru, R., Marsavina, L., Bretean, I.D., Duma, V.F., Rominu, M., Bortun, C.M., Negruiu, M.L. Evaluation of the Adhesion of a Novel Design of Veneers to Dental Materials, REVISTA DE CHIMIE, Volume: 68, Issue: 9, Pages: 2125-2128, ISSN: 0034-7752, 2017;
143. Marsavina, L., Berto, F., Negru, R., Serban, D.A., Linul, E. An engineering approach to predict mixed mode fracture of PUR foams based on ASEd and micromechanical modelling, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 91, Special Issue: SI, Pages: 148-154, ISSN: 0167-8442, eISSN: 1872-7638, 2017;

144. Martian, V., Albetel, S., David, E., Nagi, M. Heat transfer and hydraulic performance models for a family of aluminum plate heat exchanger with transversal offset strip fins, *EXPERIMENTAL HEAT TRANSFER*, Volume: 30, Issue: 6, Pages: 530-543, ISSN: 0891-6152, eISSN: 1521-0480, 2017;
145. Masu, S., Grecu, E., Popa, M., Oncioiu, I. ASPECTS in situ OIL POLLUTED SOIL PHYTOREMEDIATION WITH PASTURE PLANTS, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 18, Issue: 4, Pages: 1398-1402, ISSN: 1311-5065, 2017;
146. Mazilescu, C.A., Gangloff, B. Value Assigned to Employees Who Preserve the Social and Organizational Environment, *SUSTAINABILITY*, Volume: 9, Issue: 2, Article Number: 170, ISSN: 2071-1050, 2017;
147. Medeleanu, M., Pop, R., Andoni, M., Diudea, M.V. THE INFLUENCE OF AZA-SUBSTITUTION ON THE AROMATICITY OF SUMANENE, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, Volume: 62, Issue: 4, Pages: 105-119, ISSN: 1224-7154, 2017;
148. Melita, N.T., Holban, S. dGAsellD: An R Package for Selecting a Variable Number of Features in High Dimensional Data, *R JOURNAL*, Volume: 9, Issue: 2, Pages: 18-34, ISSN: 2073-4859, 2017;
149. Menyhardt, K., Nagy, R. Control Signal Assessment for Vibration Testing Equipment, *JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES*, Volume: 5, Issue: 4, Pages: 285-291, ISSN: 2321-3558, 2017;
150. Micea, M.V., Stangaciu, C.S., Stangaciu, V., Curiac, D.I. Novel Hybrid Scheduling Technique for Sensor Nodes with Mixed Criticality Tasks, *SENSORS*, Volume: 17, Issue: 7, Article Number: 1504, ISSN: 1424-8220, 2017;
151. Micu, L.M., Bordeasu, I., Popoviciu, M.O. A New Model for the Equation Describing the Cavitation Mean Depth Erosion Rate Curve, *REVISTA DE CHIMIE*, Volume: 68, Issue: 4, Pages: 894-898, ISSN: 0034-7752, 2017;
152. Mihaicuta, S., Udrescu, M., Topirceanu, A., Udrescu, L. Network science meets respiratory medicine for OSAS phenotyping and severity prediction, *PEERJ*, Volume: 5, Article Number: e3289, PubMed ID: 28503375, ISSN: 2167-8359, 2017;
153. Mihon, N.L., Erdodi, G.M., Lontis, N.S. DIAGNOSIS OF THE UNIT INJECTION PUMP'S ELEMENTS, *INGINERIA AUTOMOBILULUI*, Issue: 42, Pages: 23-26, ISSN: 1842-4074, 2017;
154. Mitelea, I., Bordeasu, I., Varzaru, N., Utu, I.D. Research of the Thermal Gradient and Quality of Welded Joints from PVC Thermoplastics Foils at High Frequency Symmetric Welding, *MATERIALE PLASTICE*, Volume: 54, Issue: 3, Pages: 461-465, ISSN: 0025-5289, 2017;
155. Mitelea, I., Utu, I.D., Urlan, S.D., Craciunescu, C.M. The effect of the solution treatment onto the microstructure and mechanical properties of MAG pulsed welded joints from X2CrNiMoN22-5-3 Duplex stainless steels, *MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK*, Volume: 48, Issue: 11, Pages: 1040-1048, ISSN: 0933-5137, eISSN: 1521-4052, 2017;
156. Mitelea, I., Bordeasu, I., Katona, S.E., Craciunescu, C.M. Cavitation erosion of 17-4 PH stainless steels following sub-zero treatment, *INTERNATIONAL JOURNAL OF MATERIALS RESEARCH*, Volume: 108, Issue: 12, Pages: 1099-1102, ISSN: 1862-5282, eISSN: 2195-8556, 2017;
157. Mitelea, I., Bordeasu, I., Micu, L.M., Craciunescu, C.M. Microstructure and Cavitation Erosion Resistance of the X2CrNiMoN22-5-3 Duplex Stainless Steel Subjected to Laser Nitriding, *REVISTA DE CHIMIE*, Volume: 68, Issue: 12, Pages: 2992-2996, ISSN: 0034-7752, 2017;
158. Mitelea, I., Utu, I.D., Urlan, S.D., Karancsi, O. Microstructure characterization and corrosion testing of MAG pulsed duplex stainless steel welds, *MATERIALS TESTING*, Volume: 59, Issue: 7-8, Pages: 642-646, ISSN: 0025-5300, 2017;
159. Mnerie, C., Preitl, S., Duma, V.F. Galvanometer-Based Scanners: Mathematical Model and Alternative Control Structures for Improved Dynamics and Immunity to Disturbances, *INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS*, Volume: 17, Issue: 5, Special Issue: SI, Article Number: 1740006, ISSN: 0219-4554, eISSN: 1793-6764, 2017;
160. Mocofan, M., Ternauciu, A. TrainCoDe - A study case of the management changes as a result of the lifelong learning, *INTERACTION DESIGN AND ARCHITECTURES*, Issue: 32, Special Issue: SI, Pages: 173-188, ISSN: 1826-9745, eISSN: 2283-2998, 2017;
161. Moga, T.V., Popescu, A., Sporea, I., Danila, M., David, C., Gui, V., Iacob, N., Miclaus, G., Sirli, R. Is Contrast Enhanced Ultrasoundography a useful tool in a beginner's hand? How much can a Computer Assisted Diagnosis prototype help in characterizing the malignancy of focal liver lesions?, *MEDICAL ULTRASONOGRAPHY*, Volume: 19, Issue: 3, Pages: 252-258, PubMed ID: 28845489, ISSN: 1844-4172, eISSN: 2066-8643, 2017;

162. Moisa, M.E., Spelmezan, C.G., Paul, C., Bartha-Vari, J.H., Bencz, L.C., Irimie, F.D., Paizs, C., Peter, F., Tosa, M.I. Tailored sol-gel immobilized lipase prepares for the enzymatic kinetic resolution of heteroaromatic alcohols in batch and continuous flow systems, RSC ADVANCES, Volume: 7, Issue: 83, Pages: 52977-52987, ISSN: 2046-2069, 2017;
163. Moro, A.J., Parola, A.J., Pina, F., Pana, A.M., Badea, V., Pausescu, I., Shova, S., Cseh, L. 2,2'-Spirobis[chromene] Derivatives Chemistry and Their Relation with the Multistate System of Anthocyanins, JOURNAL OF ORGANIC CHEMISTRY, Volume: 82, Issue: 10, Pages: 5301-5309, PubMed ID: 28441475, ISSN: 0022-3263, 2017;
164. Mosoarca, M., Keller, A.I., Petrus, C., Racolta, A. Failure analysis of historical buildings due to climate change, ENGINEERING FAILURE ANALYSIS, Volume: 82, Pages: 666-680, ISSN: 1350-6307, eISSN: 1873-1961, 2017;
165. Movahedi, N., Linul, E. Quasi-static compressive behavior of the ex-situ aluminum-alloy foam-filled tubes under elevated temperature conditions, MATERIALS LETTERS, Volume: 206, Pages: 182-184, ISSN: 0167-577X, eISSN: 1873-4979, 2017;
166. Muntean, R., Pascal, D.T., Marginean, G., Vasilcsin, N. Carbon Nanofibers Decorated with Pt-Co Alloy Nanoparticles as Catalysts for Electrochemical Cell Applications. I. Synthesis and Structural Characterization, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, Volume: 12, Issue: 5, Pages: 4597-4609, ISSN: 1452-3981, 2017;
167. Nagy, Z., Gilia, L., Neagu, C. EXPERIMENTAL INVESTIGATIONS OF COLD-FORMED JOINTS FOR MULTI-STORY STEEL FRAMED STRUCTURES, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 3, Pages: 256-264, ISSN: 1454-9069, 2017;
168. Nani, V.M. Complex phenomena study in dielectric fluid from gap during the W-EDM processing in ultrasonic field, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 92, Issue: 1-4, Pages: 197-215, ISSN: 0268-3768, eISSN: 1433-3015, 2017;
169. Nani, V.M. Effect of wire electrode's ultrasonic vibration on erosive capacity to W-EDM machine, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 88, Issue: 1-4, Pages: 425-441, ISSN: 0268-3768, eISSN: 1433-3015, 2017;
170. Nani, V.M. The ultrasound effect on technological parameters for increase in performances of W-EDM machines, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 88, Issue: 1-4, Pages: 519-528, ISSN: 0268-3768, eISSN: 1433-3015, 2017;
171. Nani, V.M. Ultrasound influence on the erosive capacity at the electrodischarge processing with ultrasonic activated wire electrode in a single point, MECCANICA, Volume: 52, Issue: 6, Pages: 1459-1474, ISSN: 0025-6455, eISSN: 1572-9648, 2017;
172. Nani, V.M., Cires, I. The vibrations' study to the burn gas exhaust fan from a thermoelectric power plant, APPLIED MATHEMATICAL MODELING, Volume: 43, Pages: 454-463, ISSN: 0307-904X, eISSN: 1872-8480, 2017;
173. Nanu, S., Ionel, R., Dughir, C., Ionel, I. Automation of a prototype for cutting, sorting and bundling of SRC crops for planting purposes, MEASUREMENT, Volume: 95, Pages: 201-209, ISSN: 0263-2241, eISSN: 1873-412X, 2017;
174. Negrea, A., Lupa, L., Ciopec, M., Dragomir, I., Negrea, P. USE OF ZINC ASH FROM GALVANIZATION AS A SOURCE OF ZINC OXIDE, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 16, Issue: 11, Pages: 2461-2468, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
175. Nicoara, M., Raduta, A., Locovei, C., Buzdugan, D., Stoica, M. About thermostability of biocompatible Ti-Zr-Ta-Si amorphous alloys, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 107-113, ISSN: 1388-6150, eISSN: 1588-2926, 2017;
176. Nicoara, M., Locovei, C., Opris, C., Ursu, D., Vasiliu, R., Stoica, M. Optimizing the parameters for in situ fabrication of hybrid Al-Al₂O₃ composites, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 115-122, ISSN: 1388-6150, eISSN: 1588-2926, 2017;
177. Niyonzima, S., Ilie, S., Pop, N., Mezei, J.Z., Chakrabarti, K., Morel, V., Peres, B., Little, D.A., Hassouni, K., Larson, A., Orel, A.E., Benredjem, D., Bultel, A., Tennyson, J., Reiter, D., Schneider, I.F. Low-energy collisions between electrons and BeH⁺: Cross sections and rate coefficients for all the vibrational states of the ion, ATOMIC DATA AND NUCLEAR DATA TABLES, Volume: 115, Pages: 287-308, ISSN: 0092-640X, eISSN: 1090-2090, 2017;
178. Onciu, I., Petrescu, A.G., Grecu, E., Petrescu, M. Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania, ENERGIES, Volume: 10, Issue: 6, ISSN: 1996-1073, 2017;

179. Orha, C., Pode, R., Manea, F., Lazau, C., Bandas, C. Titanium dioxide-modified activated carbon for advanced drinking water treatment, *PROCESS SAFETY AND ENVIRONMENTAL PROTECTION*, Volume: 108, Special Issue: SI, Pages: 26-33, ISSN: 0957-5820, eISSN: 1744-3598, 2017;
180. Osaci, M., Cacciola, M. Study about the nanoparticle agglomeration in a magnetic nanofluid by the Langevin dynamics simulation model using an effective Verlet-type algorithm, *MICROFLUIDICS AND NANOFUIDICS*, Volume: 21, Issue: 2, Article Number: 19, ISSN: 1613-4982, eISSN: 1613-4990, 2017;
181. Oucif, C., Ouzaa, K., Stoian, V., Descu, C.A. Numerical Modeling of Reinforced Concrete Strengthened Columns Under Cyclic Loading, *ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING*, Volume: 42, Issue: 9, Pages: 3933-3944, ISSN: 2193-567X, eISSN: 2191-4281, 2017;
182. Pacurariu, C., Lazau, I., Lazau, R. Kinetic studies of the dehydroxylation and crystallization of raw kaolinite and fluorides-modified kaolinite, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 127, Issue: 1, Pages: 239-246, ISSN: 1388-6150, eISSN: 1588-2926, 2017;
183. Pana, A.M., Pausescu, I., Shova, S., Badea, V., Tudose, R., Silion, M., Costisor, O., Cseh, L. pH dependent structural interconversion of 2-(2-hydroxy-benzylidene)-cyclohexan-1-one: Crystal structures and spectroscopic investigation, *JOURNAL OF MOLECULAR STRUCTURE*, Volume: 1137, Pages: 9-16, ISSN: 0022-2860, eISSN: 1872-8014, 2017;
184. Pana, A.M., Popa, M., Sfirlaoga, P., Bandur, G., Duchatel, L., Rusnac, L.M. Novel semi-interpenetrating network hydrogels based on monosaccharide oligomers with itaconic moiety: synthesis and properties, *IRANIAN POLYMER JOURNAL*, Volume: 26, Issue: 10, Pages: 743-751, ISSN: 1026-1265, eISSN: 1735-5265, 2017;
185. Pascu, A., Stanciu, E.M., Roata, I.C., Hulka, I., Utu, D., Maior, I. INFLUENCE OF THE LASER CLADDING. PARAMETERS AND SOLAR HEAT TREATMENT ON THE PROPERTIES OF BIOMATERIALS INCONEL 718 COATINGS, *REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS*, Volume: 47, Issue: 2, Pages: 157-165, ISSN: 1583-3186, 2017;
186. Pater, F. SOME INEQUALITIES ON POWER BOUNDED OPERATORS ACTING ON LOCALLY CONVEX SPACES, *JOURNAL OF MATHEMATICAL INEQUALITIES*, Volume: 11, Issue: 2, Pages: 485-494, ISSN: 1846-579X, 2017;
187. Paulescu, M., Pop, N., Stefu, N., Paulescu, E., Boata, R., Calinou, D. SEASONAL MODELING OF HOURLY SOLAR IRRADIATION SERIES, *ROMANIAN JOURNAL OF PHYSICS*, Volume: 62, Issue: 7-8, Article Number: 813, ISSN: 1221-146X, 2017;
188. Peron, M., Razavi, S.M.J., Berto, F., Torgersen, J., Marsavina, L. Local strain energy density for the fracture assessment of polyurethane specimens weakened by notches of different shape, *FRATTURA ED INTEGRITA STRUTTURALE*, Issue: 42, Pages: 214-222, ISSN: 1971-8993, 2017;
189. Pop, A., Manea, F., Flueras, A., Schoonman, J. Simultaneous Voltammetric Detection of Carbaryl and Paraquat Pesticides on Graphene-Modified Boron-Doped Diamond Electrode, *SENSORS*, Volume: 17, Issue: 9, Article Number: 2033, ISSN: 1424-8220, 2017;
190. Pop, A., Baciu, A., Wanko, G., Bodor, K., Vlaicu, I., Manea, F. ASSESSMENT OF ELECTROCOAGULATION PROCESS. APPLICATION IN ARSENIC REMOVAL FROM DRINKING WATER, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, Volume: 16, Issue: 4, Pages: 821-828, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
191. Popa, M., Glevitzky, I., Dumitrel, G.A., Glevitzky, M., Popa, D. STUDY ON PEROXIDE VALUES FOR DIFFERENT OILS AND FACTORS AFFECTING THE QUALITY OF SUNFLOWER OIL, *SCIENTIFIC PAPERS-SERIES E-LAND RECLAMATION EARTH OBSERVATION & SURVEYING ENVIRONMENTAL ENGINEERING*, Volume: 6, Pages: 137-140, ISSN: 2285-6064, 2017;
192. Popa, S., Boran, S. QUANTITATIVE MEASUREMENT OF THE LEATHER DEGREE OF SWELLING, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, Volume: 62, Issue: 4, Pages: 391-396, ISSN: 1224-7154, 2017;
193. Popa, S., Iliescu, S., Ilia, G., Plesu, N., Popa, A., Visa, A., Macarie, L. Solid polymer electrolytes based on phosphorus containing polymers for lithium polymer batteries, *EUROPEAN POLYMER JOURNAL*, Volume: 94, Pages: 286-298, ISSN: 0014-3057, eISSN: 1873-1945, 2017;
194. Popa, S., Boran, S., Simulescu, V. Collagen Films Obtained from Collagen Solutions Characterized by Rheology, *MATERIALE PLASTICE*, Volume: 54, Issue: 2, Pages: 359-361, ISSN: 0025-5289, 2017;
195. Popa, S., Boran, S. CIELAB and Thermal Properties of Sesame Food Oil Under Antocyanin and UV Influence, *REVISTA DE CHIMIE*, Volume: 68, Issue: 6, Pages: 1401-1405, ISSN: 0034-7752, 2017;
196. Popa, S., Boran, S. GLASS PACKING MATERIALS USED FOR INTENSIFICATION OF HEAT TRANSFER AT BOILING ON TUBULAR SURFACES, *THERMAL SCIENCE*, Volume: 21, Issue: 5, Pages: 2031-2037, ISSN: 0354-9836, eISSN: 2334-7163, 2017;

197. Popescu, D., Popescu, C., Dragomirescu, A., Barglazan, M. EXPERIMENTAL INVESTIGATION AND COMPUTATIONAL FLUID DYNAMICS (CFD) ANALYSIS OF AN ECO-FRIENDLY TURBINE, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 16, Issue: 4, Pages: 979-988, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
198. Popov, D. ON SOME PROPERTIES OF THE K-COHERENT STATES, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICALS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 4, Pages: 323-330, ISSN: 1454-9069, 2017;
199. Popov, D. A Unitary Coherent States Approach for Linear Spectra, JOURNAL OF ADVANCED PHYSICS, Volume: 6, Issue: 3, Pages: 434-440, ISSN: 2168-1996, eISSN: 2168-2003, 2017;
200. Potra, S.A., Izvercian, M., Pugna, A.P., Dahlgaard, J.J. The HWWP, a refined IVA-Kano model for designing new delightful products or services, TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, Volume: 28, Issue: 1-2, Pages: 104-117, ISSN: 1478-3363, eISSN: 1478-3371, 2017;
201. Pozna, C., Precup, R.E. On a translated frame-based approach to geometric modeling of robots, ROBOTICS AND AUTONOMOUS SYSTEMS, Volume: 91, Pages: 49-58, ISSN: 0921-8890, eISSN: 1872-793X, 2017;
202. Precup, R.E., Preitl, S., Bojan-Dragos, C.A., Radac, M.B., Szedlak-Stinean, A.I., Hedrea, E.L., Roman, R.C. AUTOMOTIVE APPLICATIONS OF EVOLVING TAKAGI-SUGENO-KANG FUZZY MODELS, FACTA UNIVERSITATIS-SERIES MECHANICAL ENGINEERING, Volume: 15, Issue: 2, Pages: 231-244, ISSN: 0354-2025, eISSN: 2335-0164, 2017;
203. Precup, R.E., David, R.C., Szedlak-Stinean, A.I., Petriu, E.M., Dragan, F. An Easily Understandable Grey Wolf Optimizer and Its Application to Fuzzy Controller Tuning, ALGORITHMS, Volume: 10, Issue: 2, Article Number: 68, ISSN: 1999-4893, 2017;
204. Precup, R.E., Radac, M.B., Roman, R.C., Petriu, E.M. Model-free sliding mode control of nonlinear systems: Algorithms and experiments, INFORMATION SCIENCES, Volume: 381, Pages: 176-192, ISSN: 0020-0255, eISSN: 1872-6291, 2017;
205. Precup, R.E., David, R.C., Petriu, E.M. Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 1, Pages: 527-534, ISSN: 0278-0046, eISSN: 1557-9948, 2017;
206. Racuciu, M., Iftode, C., Miclaus, S. ULTRAHIGH FREQUENCY-LOW POWER ELECTROMAGNETIC FIELD IMPACT ON PHYSIOLOGICAL PARAMETERS OF TWO TYPES OF CEREALS, ROMANIAN REPORTS IN PHYSICS, Volume: 69, Issue: 4, Article Number: 712, ISSN: 1221-1451, eISSN: 1841-8759, 2017;
207. Radac, M.B., Precup, R.E., Roman, R.C. Model-Free control performance improvement using virtual reference feedback tuning and reinforcement Q-learning, INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE, Volume: 48, Issue: 5, Pages: 1071-1083, ISSN: 0020-7721, eISSN: 1464-5319, 2017;
208. Ramasamy, P., Stoica, M., Bera, S., Calin, M., Eckert, J. Effect of replacing Nb with (Mo and Zr) on glass forming ability, magnetic and mechanical properties of FeCoBSiNb bulk metallic glass, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 707, Pages: 78-81, ISSN: 0925-8388, eISSN: 1873-4669, 2017;
209. Roman, R.C., Radac, M.B., Precup, R.E., Petriu, E.M. Virtual Reference Feedback Tuning of Model-Free Control Algorithms for Servo Systems, MACHINES, Volume: 5, Issue: 4, Article Number: 25, ISSN: 2075-1702, 2017;
210. Rusu, D., Stratul, S.I., Festila, D., Surlin, P., Kasaj, A., Baderca, F., Boariu, M., Jentsch, H., Locovei, C., Calenic, B. Histology and surface ultrastructure during early healing after gingival augmentation with a three-dimensional collagen matrix: A report of six cases, QUINTESSENCE INTERNATIONAL, Volume: 48, Issue: 1, Pages: 57-67, PubMed ID: 27822571, ISSN: 0033-6572, eISSN: 1936-7163, 2017;
211. Sarac, B., Bernasconi, A., Wright, J., Stoica, M., Spieckermann, F., Muhlbacher, M., Keckes, J., Bian, X., Wang, G., Eckert, J. Structural modifications in sub-T-g annealed CuZr-based metallic glass, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, Volume: 707, Pages: 245-252, ISSN: 0921-5093, eISSN: 1873-4936, 2017;
212. Sarac, B., Bera, S., Spieckermann, F., Balakin, S., Stoica, M., Calin, M., Eckert, J. Micropatterning kinetics of different glass-forming systems investigated by thermoplastic net-shaping, SCRIPTA MATERIALIA, Volume: 137, Pages: 127-131, ISSN: 1359-6462, 2017;
213. Sarac, B., Bera, S., Balakin, S., Stoica, M., Calin, M., Eckert, J. Hierarchical surface patterning of Ni- and Be-free Ti- and Zr-based bulk metallic glasses by thermoplastic net-shaping, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, Volume: 73, Pages: 398-405, PubMed ID: 28183624, ISSN: 0928-4931, eISSN: 1873-0191, 2017;

214. Sarbu, I., Iosif, A. Numerical Simulation of the Laminar Forced Convective Heat Transfer between Two Concentric Cylinders, COMPUTATION, Volume: 5, Issue: 2, Article Number: 25, ISSN: 2079-3197, 2017;
215. Sinescu, C., Bradu, A., Duma, V.F., Topala, F., Negruțiu, M., Podoleanu, A.G. Effects of Temperature Variations during Sintering of Metal Ceramic Tooth Prostheses Investigated Non-Destructively with Optical Coherence Tomography, APPLIED SCIENCES-BASEL, Volume: 7, Issue: 6, Article Number: 552, ISSN: 2076-3417, 2017;
216. Socalici, A., Ardelean, E., Pascu, L., Putan, V. Friction and Wear Behaviour of Composite Materials Containing Organic Components, MATERIALE PLASTICE, Volume: 54, Issue: 2, Pages: 269-273, ISSN: 0025-5289, 2017;
217. Stefan, D., Rudolf, P., Muntean, S., Susan-Resiga, R. Proper Orthogonal Decomposition of Self-Induced Instabilities in Decelerated Swirling Flows and Their Mitigation Through Axial Water Injection, JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, Volume: 139, Issue: 8, Article Number: 081101, ISSN: 0098-2202, eISSN: 1528-901X, 2017;
218. Stefanu, M.N., Cata, A., Rosu, D., Milea, M., Ienăscu, I.M.C. NANO-HYDROXYAPATITE COMPOSITES FOR DENTAL USE, REVUE ROUMAINE DE CHIMIE, Volume: 62, Issue: 6-7, Pages: 481-487, 3rd International Conference on Analytical Chemistry (RO-ICAC), AUG 28-31, 2016, Iasi, ROMANIA, ISSN: 0035-3930, Published: 2017;
219. Stefu, N., Paulescu, M., Gravila, P., Paulescu, E., Pop, N., Boata, R. MODEL FOR THE UV BIOLOGICALLY EFFECTIVE DOSE AND APPLICATION UNDER FUTURE CLIMATE CONDITIONS, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 16, Issue: 1, Pages: 225-234, ISSN: 1582-9596, eISSN: 1843-3707, 2017;
220. Stoia, M., Muntean, E., Pacurariu, C., Mihali, C. Thermal behavior of MnFe2O4 and MnFe2O4/C nanocomposite synthesized by a solvothermal method, THERMOCHIMICA ACTA, Volume: 652, Pages: 1-8, ISSN: 0040-6031, eISSN: 1872-762X, 2017;
221. Stoia, M., Muntean, C., Militaru, B. MnFe2O4 nanoparticles as new catalyst for oxidative degradation of phenol by peroxydisulfate, JOURNAL OF ENVIRONMENTAL SCIENCES, Volume: 53, Pages: 269-277, PubMed ID: 28372751, ISSN: 1001-0742, eISSN: 1878-7320, 2017;
222. Stoia, M., Barvinschi, P., Barbu-Tudoran, L., Bunoiu, M. Influence of polyols on the formation of nanocrystalline nickel ferrite inside silica matrices, JOURNAL OF CRYSTAL GROWTH, Volume: 457, Special Issue: SI, Pages: 294-301, ISSN: 0022-0248, eISSN: 1873-5002, 2017;
223. Stoia, M., Pacurariu, C., Muntean, E.C. Thermal stability of the solvothermal-synthesized MnFe2O4 nanopowder, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 155-162, ISSN: 1388-6150, eISSN: 1588-2926, 2017;
224. Susan-Resiga, D., Vekas, L. Ferrofluid based composite fluids: Magnetorheological properties correlated by Mason and Casson numbers, JOURNAL OF RHEOLOGY, Volume: 61, Issue: 3, Pages: 401-408, ISSN: 0148-6055, 2017;
225. Suta, L.M., Tudor, A., Sandulovici, C.R., Stelea, L., Hadaruga, D., Mircioiu, C., Balint, G.S. Multivariate Statistical Analysis Regarding the Formulation of Oxicam-Based Pharmaceutical Hydrogels, REVISTA DE CHIMIE, Volume: 68, Issue: 4, Pages: 726-731, ISSN: 0034-7752, 2017;
226. Szerb, E.I., Cseh, L., Pana, A.M., Banica, R., Linul, P., Lazarovici, M., Cretu, C., Demetrovici, L., Locovei, C., Simu, G.M., Strimbeanu, N., Costisor, O. SYNTHESIS AND CHARACTERIZATION OF COPPER NANOCUBES FROM WASTE COMPLEX CATALYST, REVUE ROUMAINE DE CHIMIE, Volume: 62, Issue: 4-5, Pages: 433-438, ISSN: 0035-3930, 2017;
227. Tenescu, A., Precup, R.E., Minculete, N. Evolving Fuzzy Models for Automated Translation, ACTA POLYTECHNICA HUNGARICA, Volume: 14, Issue: 2, Pages: 27-46, ISSN: 1785-8860, 2017;
228. Tigan, G., Llibre, J., Ciurdariu, L. Degenerate Fold-Hopf Bifurcations in a Rossler-Type System, INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, Volume: 27, Issue: 5, Article Number: 1750068, ISSN: 0218-1274, eISSN: 1793-6551, 2017;
229. Tigan, G. DEGENERATE WITH RESPECT TO PARAMETERS FOLD-HOPF BIFURCATIONS, DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, Volume: 37, Issue: 4, Pages: 2115-2140, ISSN: 1078-0947, eISSN: 1553-5231, 2017;
230. Tigan, G. Using Melnikov functions of any order for studying limit cycles, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Volume: 448, Issue: 1, Pages: 409-420, ISSN: 0222-247X, eISSN: 1096-0813, 2017;
231. Tiwari, A.K., Albulescu, C.T., Yoon, S.M. A multifractal detrended fluctuation analysis of financial market efficiency: Comparison using Dow Jones sector ETF indices, PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, Volume: 483, Pages: 182-192, ISSN: 0378-4371, eISSN: 1873-2119, 2017;

232. Topirceanu, A. Breaking up friendships in exams: A case study for minimizing student cheating in higher education using social network analysis, COMPUTERS & EDUCATION, Volume: 115, Pages: 171-187, ISSN: 0360-1315, eISSN: 1873-782X, 2017;
233. Topirceanu, A., Udrescu, M. Statistical fidelity: a tool to quantify the similarity between multi-variable entities with application in complex networks, INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, Volume: 94, Issue: 9, Pages: 1787-1805, ISSN: 0020-7160, eISSN: 1029-0265, 2017;
234. Totorean, A.F., Hudrea, C.I., Bosioc, A.I., Bernad, S.I. FLOW FIELD EVOLUTION IN STENTED VERSUS STENOSED CORONARY ARTERY, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 3, Pages: 248-255, ISSN: 1454-9069, 2017;
235. Tudoran, R.M., Girban, A. Bifurcations of limit cycles of perturbed completely integrable systems, NONLINEARITY, Volume: 30, Issue: 3, Pages: 1058-1088, ISSN: 0951-7715, eISSN: 1361-6544, 2017;
236. Ungurean, L., Carstoiu, G., Micea, M.V., Groza, V. Battery state of health estimation: a structured review of models, methods and commercial devices, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 41, Issue: 2, Pages: 151-181, ISSN: 0363-907X, eISSN: 1099-114X, 2017;
237. Urechescu, H., Pricop, M., Pricop, C., Mateas, M., Natanael, S., Galatanu, S.V. Thermoplastic Materials Used for Fabrication of Maxillary Obturator Prostheses Experimental compression and traction tests, MATERIALE PLASTICE, Volume: 54, Issue: 3, Pages: 477-480, ISSN: 0025-5289, 2017;
238. Utu, I.D., Marginean, G. Effect of electron beam remelting on the characteristics of HVOF sprayed Al2O3-TiO2 coatings deposited on titanium substrate, COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, Volume: 526, Special Issue: SI, Pages: 70-75, ISSN: 0927-7757, eISSN: 1873-4359, 2017;
239. Vaduva, A.O., Glameanu, C., Negrea, R., Muntean, M.D., Dema, A.L.C. In vivo confocal microscopy quantification of reactive oxygen species: a working model in rat kidney, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 58, Issue: 3, Pages: 953-960, PubMed ID: 29250674, ISSN: 1220-0522, 2017;
240. Vancea, C., Gheju, M., Mosoarca, G. INERTIZATION IN VITREOUS MATRIX OF EXHAUSTED REACTIVE MIXTURES RESULTED FROM THE REMOVAL OF Cr(VI) WITH Fe-0 IN CONTINUOUS-FLOW SYSTEM, REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, Volume: 47, Issue: 4, Pages: 435-441, ISSN: 1583-3186, 2017;
241. Vasilevska, D., Rivza, B., Bogdan, R. Evaluation of Readiness for Distance Education of Students in European Universities, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 8, Issue: 1, Pages: 35-41, ISSN: 2067-3957, 2017;
242. Vasilcsin, N., Vaireanu, D.I. Could one achieve a self-recharging double layer capacitor?, BULGARIAN CHEMICAL COMMUNICATIONS, Volume: 49, Special Issue: C, Pages: 263-269, ISSN: 0324-1130, 2017;
243. Vintila, T., Gherman, V.D., Popa, N., Popescu, D., Buzatu, C., Motoc, M. Influence of Enzymatic Cocktails on Conversion of Agricultural Lignocellulose to Fermentable Sugars, REVISTA DE CHIMIE, Volume: 68, Issue: 2, Pages: 373-377, ISSN: 0034-7752, 2017;
244. Vlazan, P., Stoia, M., Poienar, M., Sfirloaga, P. Phase transition behaviour and physicochemical properties of KNbO₃ ceramics, CERAMICS INTERNATIONAL, Volume: 43, Issue: 8, Pages: 5963-5967, ISSN: 0272-8842, eISSN: 1873-3956, 2017;
245. Vulcu, C., Stratan, A., Ciutina, A., Dubina, D. Beam-to-CFT High-Strength Joints with External Diaphragm. II: Numerical Simulation of Joint Behavior, JOURNAL OF STRUCTURAL ENGINEERING, Volume: 143, Issue: 5, Article Number: 04017002, ISSN: 0733-9445, eISSN: 1943-541X, 2017;
246. Vulcu, C., Stratan, A., Ciutina, A., Dubina, D. Beam-to-CFT High-Strength Joints with External Diaphragm. I: Design and Experimental Validation, JOURNAL OF STRUCTURAL ENGINEERING, Volume: 143, Issue: 5, Article Number: 04017001, ISSN: 0733-9445, eISSN: 1943-541X, 2017;
247. Xydis, G., Mihet-Popa, L. Wind energy integration via residential appliances, ENERGY EFFICIENCY, Volume: 10, Issue: 2, Pages: 319-329, ISSN: 1570-646X, eISSN: 1570-6478, 2017;

248. Zhang, L., He, Z.Y., Tan, J., Zhang, Y.Q., Stoica, M., Calin, M., Prashanth, K.G., Cordill, M.J., Jiang, Y.H., Zhou, R., Eckert, J. Designing a novel functional-structural NiTi/hydroxyapatite composite with enhanced mechanical properties and high bioactivity, *INTERMETALLICS*, Volume: 84, Pages: 35-41, ISSN: 0966-9795, eISSN: 1879-0216, 2017;
249. Zhang, L., He, Z.Y., Tan, J., Zhang, Y.Q., Stoica, M., Prashanth, K.G., Cordill, M.J., Jiang, Y.H., Zhou, R., Eckert, J. Rapid fabrication of function-structure-integrated NiTi alloys: Towards a combination of excellent superelasticity and favorable bioactivity, *INTERMETALLICS*, Volume: 82, Pages: 1-13, ISSN: 0966-9795, eISSN: 1879-0216, 2017;
250. Zhong, J.Y., Zhang, L.M., Tigan, G. Bifurcations of a discrete-time neuron model, *JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS*, Volume: 23, Issue: 9, Pages: 1508-1528, ISSN: 1023-6198, eISSN: 1563-5120, 2017;
251. Zhou, Z.M., Tigan, G., Yu, Z.H. Hopf bifurcations in an extended Lorenz system, *ADVANCES IN DIFFERENCE EQUATIONS*, Article Number: 28, ISSN: 1687-1847, 2017.

