

EXECUTIVE UNIT FOR FINANCING HIGHER EDUCATION, RESEARCH, DEVELOPMENT AND INNOVATION - UEFISCDI AWARDS - ARTICLES

Through these awards UEFISCDI aims to increase quality, impact and international visibility of Romanian research by recognizing and rewarding significant results published in prestigious journals from international senior scientific stream.

Within this competition can participate the researchers affiliated to institutions in Romania, authors of scientific articles published in journals indexed by Clarivate Analytics Science Citation Index Expanded ("Science"), Social Sciences Citation Index ("Social Sciences") or Arts & Humanities Citation Index ("Arts & Humanities").

More information at <http://uefiscdi.gov.ro/Public/cat/471/Premierea-rezultatelor-cercetarii.html>

1. Ancuti, C., Ancuti, C.O., de Vleeschouwer, C., Sbert, M. Decolorization by Fusion, IEEE ACCESS, Volume: 6, Pages: 64071-64084, ISSN: 2169-3536, 2018;
2. Belega, D., Petri, D. Effect of windowing and noise on the amplitude and phase estimators returned by the Taylor-based Weighted Least Squares, DIGITAL SIGNAL PROCESSING, Volume: 83, Pages: 202-213, ISSN: 1051-2004, eISSN: 1095-4333, 2018;
3. Buse, C., Nguyen, L.T., O'Regan, D. GLOBAL AND LOCAL VERSIONS FOR A PHONG VU THEOREM FOR PERIODIC EVOLUTION FAMILIES IN HILBERT SPACES, ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, Article Number: 188, ISSN: 1072-6691, 2018;
4. Linul, E., Valean, C., Linul, P.A. Compressive Behavior of Aluminum Microfibers Reinforced Semi-Rigid Polyurethane Foams, POLYMERS, Volume: 10, Issue: 12, Article Number: 1298, ISSN: 2073-4360, 2018;
5. Marinca, V., Marinca, B. OPTIMAL AUXILIARY FUNCTIONS METHOD FOR NONLINEAR THIN FILM FLOW OF A THIRD GRADE FLUID ON A MOVING BELT, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 19, Issue: 4, Pages: 575-580, ISSN: 1454-9069, 2018;
6. Muntean, E., Stoia, M., Pacurariu, C. Facile synthesis, characterization and magnetic properties of manganese ferrite/carbon composites, THERMOCHIMICA ACTA, Volume: 667, Pages: 122-131, ISSN: 0040-6031, eISSN: 1872-762X, 2018;
7. Oncioiu, I., Grecu, E., Masu, S., Morariu, F., Popa, M. The effect of fly ash on sunflower growth and human health, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Volume: 25, Issue: 35, Special Issue: SI, Pages: 35548-35554, PubMed ID: 30350152, ISSN: 0944-1344, eISSN: 1614-7499, 2018;
8. Pana, A., Baloi, A., Molnar-Matei, F. Iterative Method for Determining the Values of the Susceptances of a Balancing Capacitive Compensator, ENERGIES, Volume: 11, Issue: 10, Article Number: 2742, ISSN: 1996-1073, 2018;
9. Radac, M.B., Precup, R.E. Data-driven MIMO model-free reference tracking control with nonlinear state-feedback and fractional order controllers, APPLIED SOFT COMPUTING, Volume: 73, Pages: 992-1003, ISSN: 1568-4946, eISSN: 1872-9681, 2018;
10. Svera, P., Niznansky, D., Stefanut, M.N., Ursu, D., Sfirloaga, P., Dabici, A., Taranu, B.O., Putz, A.M., Serban, V.A. Studies on the hydrothermal synthesis of CdxZn1-xS compounds, PROCESSING AND APPLICATION OF CERAMICS, Volume: 12, Issue: 3, Pages: 288-295, ISSN: 1820-6131, eISSN: 2406-1034, 2018;
11. Topirceanu, A. Competition-Based Benchmarking of Influence Ranking Methods in Social Networks, COMPLEXITY, Article Number: 4562609, ISSN: 1076-2787, eISSN: 1099-0526, 2018;
12. Topirceanu, A., Udrescu, M., Udrescu, L., Ardelean, C., Dan, R., Reisz, D., Mihaicuta, S. SAS score: Targeting high-specificity for efficient population-wide monitoring of obstructive sleep apnea, PLOS ONE, Volume: 13, Issue: 9, Article Number: e0202042, PubMed ID: 30183715, ISSN: 1932-6203, 2018;
13. Zub, C.I., Stratan, A., Dogariu, A., Dubina, D. DEVELOPMENT OF A FINITE ELEMENT MODEL FOR A BUCKLING RESTRAINED BRACE, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 19, Issue: 4, Pages: 581-588, ISSN: 1454-9069, 2018;

No.

UEFISCDI Awards

14. Aliha, M.R.M., Mousavi, S.S., Bahmani, A., Linul, E., Marsavina, L. Crack initiation angles and propagation paths in polyurethane foams under mixed modes I/II and I/III loading, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 101, Pages: 152-161, ISSN: 0167-8442, eISSN: 1872-7638, 2019;
15. Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Sbet, M. Color Channel Transfer for Image Dehazing, IEEE SIGNAL PROCESSING LETTERS, Volume: 26, Issue: 10, Pages: 1413-1417, ISSN: 1070-9908, eISSN: 1558-2361, 2019;
16. Avram, S., Udrea, A.M., Negrea, A., Ciopec, M., Duteanu, N., Postolache, C., Duda-Seiman, C., Duda-Seiman, D., Shaposhnikov, S. Prevention of Deficit in Neuropsychiatric Disorders through Monitoring of Arsenic and Its Derivatives as Well as Through Bioinformatics and Cheminformatics, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 20, Issue: 8, Article Number: 1804, PubMed ID: 31013686, eISSN: 1422-0067, 2019;
17. Baniias, O. Test case selection-prioritization approach based on memoization dynamic programming algorithm, INFORMATION AND SOFTWARE TECHNOLOGY, Volume: 115, Pages: 119-130, ISSN: 0950-5849, eISSN: 1873-6025, 2019;
18. Belega, D., Petri, D. Influence of the noise on DFT-based sine-wave frequency and amplitude estimators, MEASUREMENT, Volume: 137, Pages: 527-534, ISSN: 0263-2241, eISSN: 1873-412X, 2019;
19. Berei, E., Stefanescu, O., Muntean, C., Taranu, B., Stefanescu, M. Study on the formation of CoCr204/SiO2 nanocomposite obtained from Co(II) carboxylate and ammonium dichromate, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 138, Issue: 3, Pages: 1863-1870, ISSN: 1388-6150, eISSN: 1588-2926, 2019;
20. Binzar, T., Burdak, Z., Lazureanu, C., Popovici, D., Slocinski, M. Wold-Slocinski decompositions for commuting isometric triples, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Volume: 472, Issue: 2, Pages: 1660-1677, ISSN: 0022-247X, eISSN: 1096-0813, 2019;
21. Binzar, T., Pater, F., Nadaban, S. A Study of Boundedness in Fuzzy Normed Linear Spaces, SYMMETRY-BASEL, Volume: 11, Issue: 7, Article Number: 923, eISSN: 2073-8994, 2019;
22. Blaga, R., Sabadus, A., Stefu, N., Dughir, C., Paulescu, M., Badescu, V. A current perspective on the accuracy of incoming solar energy forecasting, PROGRESS IN ENERGY AND COMBUSTION SCIENCE, Volume: 70, Pages: 119-144, ISSN: 0360-1285, eISSN: 1873-216X, 2019;
23. Boncalo, O., Kolumban-Antal, G., Amaricai, A., Savin, V., Declercq, D. Layered LDPC Decoders With Efficient Memory Access Scheduling and Mapping and Built-In Support for Pipeline Hazards Mitigation, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Volume: 66, Issue: 4, Pages: 1643-1656, ISSN: 1549-8328, eISSN: 1558-0806, 2019;
24. Buse, C., O'Regan, D., Saierli, O. Hyers-Ulam Stability for Linear Differences with Time Dependent and Periodic Coefficients: The Case When the Monodromy Matrix Has Simple Eigenvalues, SYMMETRY-BASEL, Volume: 11, Issue: 3, Article Number: 339, ISSN: 2073-8994, 2019;
25. Buse, C., O'Regan, D., Saierli, O. Hyers-Ulam Stability for Linear Differences with Time Dependent and Periodic Coefficients, SYMMETRY-BASEL, Volume: 11, Issue: 4, Article Number: 512, eISSN: 2073-8994, 2019;
26. Capota, E.A., Stangaciu, C.S., Micea, M.V., Curiac, D.I. Towards mixed criticality task scheduling in cyber physical systems: Challenges and perspectives, JOURNAL OF SYSTEMS AND SOFTWARE, Volume: 156, Pages: 204-216, ISSN: 0164-1212, eISSN: 1873-1228, 2019;
27. Caruntu, B., Bota, C., Lapadat, M., Pasca, M.S. Polynomial Least Squares Method for Fractional Lane-Emden Equations, SYMMETRY-BASEL, Volume: 11, Issue: 4, Article Number: 479, eISSN: 2073-8994, 2019;
28. Cocheci, L., Lupa, L., Lazau, R., Voda, R., Pode, R. Zinc recovery from waste zinc ash - A new "green" route for the preparation of Zn-Al layered double hydroxide used for molybdate retention, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 787, Pages: 332-343, ISSN: 0925-8388, eISSN: 1873-4669, 2019;
29. Dolha, S., Negirla, P., Alexa, F., Silea, I. Considerations about the Signal Level Measurement in Wireless Sensor Networks for Node Position Estimation, SENSORS, Volume: 19, Issue: 19, Article Number: 4179, PubMed ID: 31561569, eISSN: 1424-8220, 2019;

No.

UEFISCDI Awards

30. Dumitru, R., Ianculescu, A., Pacurariu, C., Lupa, L., Pop, A., Vasile, B., Surdu, A., Manea, F. BiFeO₃-synthesis, characterization and its photocatalytic activity towards doxorubicin degradation from water, CERAMICS INTERNATIONAL, Volume: 45, Issue: 2, Special Issue: SI, Pages: 2789-2802, ISSN: 0272-8842, eISSN: 1873-3956, 2019;
31. Gheju, M., Balcu, I. Sustaining the efficiency of the Fe(0)/H₂O system for Cr(VI) removal by MnO₂ amendment, CHEMOSPHERE, Volume: 214, Pages: 389-398, PubMed ID: 30268895, ISSN: 0045-6535, eISSN: 1879-1298, 2019;
32. Groza, B., Murvay, P.S. Efficient Intrusion Detection With Bloom Filtering in Controller Area Networks, IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, Volume: 14, Issue: 4, Pages: 1037-1051, ISSN: 1556-6013, eISSN: 1556-6021, 2019;
33. Groza, B., Popa, L., Murvay, P.S. TRICKS-Time TRIGGERed Covert Key Sharing for Controller Area Networks, IEEE ACCESS, Volume: 7, Pages: 104294-104307, ISSN: 2169-3536, 2019;
34. Hadaruga, N.G., Bandur, G.N., David, I., Hadaruga, D.I. A review on thermal analyses of cyclodextrins and cyclodextrin complexes, ENVIRONMENTAL CHEMISTRY LETTERS, Volume: 17, Issue: 1, Pages: 349-373, ISSN: 1610-3653, eISSN: 1610-3661, 2019;
35. Halbac-Cotoara-Zamfir, R., Keesstra, S., Kalantari, Z. The impact of political, socio-economic and cultural factors on implementing environment friendly techniques for sustainable land management and climate change mitigation in Romania, SCIENCE OF THE TOTAL ENVIRONMENT, Volume: 654, Pages: 418-429, PubMed ID: 30447580, ISSN: 0048-9697, eISSN: 1879-1026, 2019;
36. Ianas, C., Piciorus, M., Nicola, R., Ciopec, M., Negrea, A., Niznansky, D., Len, A., Almasy, L., Putz, A.M. Removal of cadmium from aqueous solutions using inorganic porous nanocomposites, KOREAN JOURNAL OF CHEMICAL ENGINEERING, Volume: 36, Issue: 5, Pages: 688-700, ISSN: 0256-1115, eISSN: 1975-7220, 2019;
37. Kang, S.H., Tiwari, A.K., Albulescu, C.T., Yoon, S.M. Time-frequency co-movements between the largest nonferrous metal futures markets, RESOURCES POLICY, Volume: 61, Pages: 393-398, ISSN: 0301-4207, eISSN: 1873-7641, 2019;
38. Lemle, L.D. On the L-infinity-Uniqueness of Dynamical Systems with Small Random Perturbation, RESULTS IN MATHEMATICS, Volume: 74, Issue: 1, Article Number: UNSP 26, ISSN: 1422-6383, eISSN: 1420-9012, 2019;
39. Linul, E., Lell, D., Movahedi, N., Codrean, C., Fiedler, T. Compressive properties of zinc syntactic foams at elevated temperatures, COMPOSITES PART B-ENGINEERING, Volume: 167, Pages: 122-134, ISSN: 1359-8368, eISSN: 1879-1069, 2019;
40. Linul, E., Marsavina, L., Linul, P.A., Kovacic, J. Cryogenic and high temperature compressive properties of Metal Foam Matrix Composites, COMPOSITE STRUCTURES, Volume: 209, Pages: 490-498, ISSN: 0263-8223, eISSN: 1879-1085, 2019;
41. Marsavina, L., Iacoviello, F., Pirvulescu, L.D., Di Cocco, V., Rusu, L. Engineering prediction of fatigue strength for AM50 magnesium alloys, INTERNATIONAL JOURNAL OF FATIGUE, Volume: 127, Pages: 10-15, ISSN: 0142-1123, eISSN: 1879-3452, 2019;
42. Matekovits, L., de Sabata, A., Silaghi, A.M. Frequency Selective Surface With Two Quasi-Independent Notch Frequencies, IEEE ACCESS, Volume: 7, Pages: 77261-77267, ISSN: 2169-3536, 2019;
43. Mihailescu, M., Negrea, A., Ciopec, M., Davidescu, C.M., Negrea, P., Duteanu, N., Rusu, G. Gold (III) adsorption from dilute waste solutions onto Amberlite XAD7 resin modified with L-glutamic acid, SCIENTIFIC REPORTS, Volume: 9, Article Number: 8757, PubMed ID: 31217435, ISSN: 2045-2322, 2019;
44. Minzatu, V., Davidescu, C.M., Negrea, P., Ciopec, M., Muntean, C., Hulka, I., Paul, C., Negrea, A., Duteanu, N. Synthesis, Characterization and Adsorptive Performances of a Composite Material Based on Carbon and Iron Oxide Particles, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 20, Issue: 7, Article Number: 1609, PubMed ID: 30935127, ISSN: 1422-0067, 2019;
45. Mitelea, I., Bena, T., Bordeasu, I., Utu, I.D., Craciunescu, C.M. Enhancement of Cavitation Erosion Resistance of Cast Iron with TIG Remelted Surface, METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, Volume: 50A, Issue: 8, Pages: 3767-3775, ISSN: 1073-5623, eISSN: 1543-1940, 2019;

No.

UEFISCDI Awards

46. Moaca, E.A., Mihali, C.V., Macasoi, I.G., Racoviceanu, R., Soica, C., Dehelean, C.A., Pacurariu, C., Florescu, S. Fe₃O₄@C Matrix with Tailorable Adsorption Capacities for Paracetamol and Acetylsalicylic Acid: Synthesis, Characterization, and Kinetic Modeling, *MOLECULES*, Volume: 24, Issue: 9, PubMed ID: 31058855, eISSN: 1420-3049, 2019;
47. Mosoiu, C., Vlase, D., Vlase, G., Lazau, R., Vlase, T. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 138, Issue: 3, Pages: 2159-2166, ISSN: 1388-6150, eISSN: 1588-2926, 2019;
48. Nichita, I., Lupa, L., Stoia, M., Dragan, E.S., Popa, A. Aminophosphonic groups grafted onto the structure of macroporous styrene-divinylbenzene copolymer: preparation and studies on the antimicrobial effect, *POLYMER BULLETIN*, Volume: 76, Issue: 9, Pages: 4539-4557, ISSN: 0170-0839, eISSN: 1436-2449, 2019;
49. Nicolae, A., Korodi, A., Silea, I. Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0, *WATER*, Volume: 11, Issue: 6, ISSN: 2073-4441, 2019;
50. Pana, A.M., Gherman, V., Sfirloaga, P., Rusu, G., Bandur, G., Popa, M., Rusnac, L.M., Dumitrel, G.A. Biodegradation studies on new glycopolymers derived from oligomeric D-mannose itaconates and 2-hydroxypropyl acrylate, *POLYMER DEGRADATION AND STABILITY*, Volume: 167, Pages: 210-216, ISSN: 0141-3910, eISSN: 1873-2321, 2019;
51. Patrinoiu, G., Dumitru, R., Culita, D.C., Munteanu, C., Birjega, R., Calderon-Moreno, J.M., Cucos, A., Pelinescu, D., Chifiriuc, M.C., Bleotu, C., Carp, O. Self-assembled zinc oxide hierarchical structures with enhanced antibacterial properties from stacked chain-like zinc oxalate compounds, *JOURNAL OF COLLOID AND INTERFACE SCIENCE*, Volume: 552, Pages: 258-270, PubMed ID: 31129297, ISSN: 0021-9797, eISSN: 1095-7103, 2019;
52. Pausescu, I., Todea, A., Badea, V., Peter, F., Medeleanu, M., Ledeti, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylum dye, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, ISSN: 1388-6150, eISSN: 1588-2926, 2019;
53. Radac, M.B., Precup, R.E. Data-Driven Model-Free Tracking Reinforcement Learning Control with VRFT-based Adaptive Actor-Critic, *APPLIED SCIENCES-BASEL*, Volume: 9, Issue: 9, Article Number: 1807, eISSN: 2076-3417, 2019;
54. Rajak, D.K., Mahajan, N.N., Linul, E. Crashworthiness performance and microstructural characteristics of foam-filled thin-walled tubes under diverse strain rate, *JOURNAL OF ALLOYS AND COMPOUNDS*, Volume: 775, Pages: 675-689, ISSN: 0925-8388, eISSN: 1873-4669, 2019;
55. Rajak, D.K., Pagar, D.D., Menezes, P.L., Linul, E. Fiber-Reinforced Polymer Composites: Manufacturing, Properties, and Applications, *POLYMERS*, Volume: 11, Issue: 10, Article Number: 1667, PubMed ID: 31614875, eISSN: 2073-4360, 2019;
56. Reisz, E., Tekle-Roettering, A., Naumov, S., Schmidt, W., Schmidt, T.C. Reaction of 1-propanol with Ozone in Aqueous Media, *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, Volume: 20, Issue: 17, PubMed ID: 31454911, eISSN: 1422-0067, 2019;
57. Sarbu, I., Dorca, A. Review on heat transfer analysis in thermal energy storage using latent heat storage systems and phase change materials, *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, Volume: 43, Issue: 1, Pages: 29-64, ISSN: 0363-907X, eISSN: 1099-114X, 2019;
58. Seclaman, E., Balacescu, L., Balacescu, O., Bejinar, C., Udrescu, M., Marian, C., Sirbu, I.O., Anghel, A. MicroRNAs mediate liver transcriptome changes upon soy diet intervention in mice, *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*, Volume: 23, Issue: 3, Pages: 2263-2267, PubMed ID: 30618122, eISSN: 1582-4934, 2019;
59. Stavi, I., Gusarov, Y., Halbac-Cotoara-Zamfir, R. Collapse and failure of ancient agricultural stone terraces: On-site geomorphic processes, pedogenic mechanisms, and soil quality, *GEODERMA*, Volume: 344, Pages: 144-152, ISSN: 0016-7061, eISSN: 1872-6259, 2019;
60. Stefanescu, M., Muntean, C., Berei, E., Vlase, T., Stefanescu, O. Preparation and characterization of CuCr₂O₄/SiO₂ and Cu₂Cr₂O₄/SiO₂ nanocomposites obtained from carboxylate complex combinations, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 138, Issue: 3, Pages: 1887-1894, ISSN: 1388-6150, eISSN: 1588-2926, 2019;

No.

UEFISCDI Awards

61. Stoia, D.I., Linul, E., Marsavina, L. Influence of Manufacturing Parameters on Mechanical Properties of Porous Materials by Selective Laser Sintering, *MATERIALS*, Volume: 12, Issue: 6, Article Number: 871, PubMed ID: 30875894, ISSN: 1996-1944, 2019;
62. Stoia, M., Pacurariu, C., Mihali, C., Malaescu, I., Marin, C.N., Capraru, A. Manganese ferrite-polyaniline hybrid materials: Electrical and magnetic properties, *CERAMICS INTERNATIONAL*, Volume: 45, Issue: 2, Special Issue: SI, Pages: 2725-2735, ISSN: 0272-8842, eISSN: 1873-3956, 2019;
63. Taucean, I.M., Tamasila, M., Ivascu, L., Miclea, S., Negrut, M. Integrating Sustainability and Lean: SLIM Method and Enterprise Game Proposed, *SUSTAINABILITY*, Volume: 11, Issue: 7, Article Number: 2103, ISSN: 2071-1050, 2019;
64. Tidrea, A., Korodi, A., Silea, I. Cryptographic Considerations for Automation and SCADA Systems Using Trusted Platform Modules, *SENSORS*, Volume: 19, Issue: 19, Article Number: 4191, PubMed ID: 31569636, eISSN: 1424-8220, 2019;
65. Todea, A., Bitcan, I., Aparaschivei, D., Pausescu, I., Badea, V., Peter, F., Gherman, V.D., Rusu, G., Nagy, L., Keki, S. Biodegradable Oligoesters of epsilon-Caprolactone and 5-Hydroxymethyl-2-Furancarboxylic Acid Synthesized by Immobilized Lipases, *POLYMERS*, Volume: 11, Issue: 9, Article Number: 1402, PubMed ID: 31455024, eISSN: 2073-4360, 2019;
66. Vasilescu, C., Todea, A., Nan, A., Circu, M., Turcu, R., Benea, I.C., Peter, F. Enzymatic synthesis of short-chain flavor esters from natural sources using tailored magnetic biocatalysts, *FOOD CHEMISTRY*, Volume: 296, Pages: 1-8, PubMed ID: 31202292, ISSN: 0308-8146, eISSN: 1873-7072, 2019;
67. Vintila, T., Ionel, I., Fregue, T.T.R., Wachter, A.R., Julean, C., Gabche, A.S. Residual Biomass from Food Processing Industry in Cameroon as Feedstock for Second-generation Biofuels, *BIORESOURCES*, Volume: 14, Issue: 2, Pages: 3731-3745, ISSN: 1930-2126, 2019;
68. Vlase, D., Rogozea, O., Mosoiu, C., Vlase, G., Lazau, R., Vlase, T. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxenbrickel, Sanandrei, Romania, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 138, Issue: 3, Pages: 2145-2157, ISSN: 1388-6150, eISSN: 1588-2926, 2019;
69. Xiao, D., Heaney, C.E., Fang, F., Mottet, L., Hu, R., Bistrrian, D.A., Aristodemou, E., Navon, I.M., Pain, C.C. A domain decomposition non-intrusive reduced order model for turbulent flows, *COMPUTERS & FLUIDS*, Volume: 182, Pages: 15-27, ISSN: 0045-7930, eISSN: 1879-0747, 2019.

EXECUTIVE UNIT FOR FINANCING HIGHER EDUCATION, RESEARCH, DEVELOPMENT AND INNOVATION - UEFISCDI AWARDS - GRANTED PATENTS

1. Sîrbu N.A., Șerban V.A. Ultrasonic device for evaluation of the melt flow of polymeric and composites materials, OSIM, RO 130336 B1, 28.12.2018;
2. Muntean, S., Susan-Resiga, R.F., Bosioc, I.A., Constantin, S.R., Maxim, D.I., Tanasa, C., Vekas, L.N., Borbath, I., Anton, L.E. Equipment for reducing cavitational effects and leveling flow at turbo pumps inlet, OSIM, RO 131578 B1, 29.03.2019;
3. Iclanzan, T.A., Stan, D.V., Tulcan, A., Cosma, C., Dume, A.I., Tulcan, L.G. Mold and method for the injection of miniature parts, OSIM, RO 129443 B1, 28.06.2019;
4. Gontean, A.S., Cernaianu, M.O. Hybrid thermoelectric solar system, OSIM, RO 129477 B1, 28.06.2019;
5. Heput, T., Crisan, E., Ardelean, E., Socalici, A., Ardelean, M. Cylindrical multi-hollow briquette produced of ferrous pulverous waste, RO 127756 B1, 30.08.2019;
6. Susan-Resiga, R.F., Muntean, S., Tanasa, C., Bosioc, I.A., Ciocan, T., Popescu, C. Equipment for controlling instabilities of swirl flow from the conical diffuser of hydraulic turbines, OSIM, RO 131408 B1, 30.09.2019.