

1. Abreu, L.D., Álvarez-Nodarse, R., Cardoso, J.L., Uniform convergence of basic Fourier-Bessel series on a q-linear grid, *The Ramanujan Journal*, 49(2) (2019) 421-449.
2. Almeida, J., Costa, A., Costa, J.C., Zeitoun, M., The linear nature of pseudowords, *Publicacions Matemàtiques*, 63(2) (2019) 361-422.
3. Anwasia, B., Gonçalves, P., Soares, A.J., From the simple reacting sphere kinetic model to the reaction-diffusion system of Maxwell-Stefan type, *Communications in Mathematical Sciences*, 17(2) (2019) 507-538.
4. Assumma, V., Bottero, M., Monaco, R., Soares, A.J., An integrated evaluation methodology to measure ecological and economic landscape states for territorial transformation scenarios: an application in Piedmont (Italy), *Ecological Indicators*, Vol. 105, pp. 156-165, October 2019.
5. Athayde, E., Azevedo, A., Barros, M., Leiva, V., Failure rate of Birnbaum-Saunders distributions: shape, change-point, estimation and robustness, *Brazilian Journal of Probability and Statistics*, 33(2) (2019) 301-328.
6. Avelino, C., Monteiro, C., Teixeira, C., Ferreira, F., Environmental and administrative EVIAVE-based approach for landfill siting, *Waste Management & Research*, 37(9) (2019) 941-950.
7. Avelino, C., Santos, A., S^2 coverings by isosceles and scalene triangles - Adjacency Case I, *Ars Mathematica Contemporanea*, 16(2) (2019) 419-443.
8. Azevedo, A., Azevedo, D., Bessa, M., Torres, M.J., Sobolev homeomorphisms are dense in volume preserving automorphisms, *Journal of Functional Analysis*, 276(10) (2019) 3261-3274.
9. Brito, I., Generating elastic solutions of the Einstein field equations from the Schwarzschild vacuum solution, *International Journal of Geometric Methods in Modern Physics*, 16(5) (2019) 1950071 (18 pages).
10. Brito, I., Machado Ramos, M.P., Conformally flat metrics with anisotropic pressure, *General Relativity and Gravitation*, 51:28 (2019) 18pp.
11. Cação, I., Falcão, M.I., Malonek, H.R, On generalized Vietoris' number sequences, *Discrete Applied Mathematics*, 269 (2019) 77-85.
12. Cargnin-Stieler, M., Malheiro, M.T., Alves, A. C., Lima, R. M., Teixeira, M. C. M., Learning calculus through PBL in an industrial engineering and management program - A Seven-Year Study, *Advances in Engineering Education*, 29 (2019).

13. Carvalho, F., Kremer, G. M., Marques Jr., W., Pandolfi Bianchi, M., Soares, A.J., Hydrodynamic bidimensional stability of detonation wave solutions for reactive mixtures, *Journal of Statistical Mechanics: Theory and Experiment*, 083217 (2019) 1-21.
14. Catarino, P., k-Pell, k-Pell-Lucas and modified k-Pell sedenions, *Asian-European Journal of Mathematics*, 12(2) (2019) 1950018, 10 pages.
15. Catarino, P., Bicomplex k-Pell quaternions, *Computational Methods and Function Theory*, 19 (2019) 65-76.
16. Catarino, P., On k-Pell Hybrid numbers, *Journal of Discrete Mathematical Sciences and Cryptography*, 22(1) (2019) 83-89.
17. Destounis, K., Fontana, R., Mena, F. C., Papantonopoulos, E., Strong cosmic censorship in Horndeski theory, *Journal of High Energy Physics*, 10 (2019) 280 (22 pp).
18. Ding, Y.N., Liu, G.J., Hussain, A., Pacheco-Torgal, F., Zhang, Y.L., Effect of steel fiber and carbon black on the self-sensing ability of concrete cracks under bending, *Construction and Building Materials*, 207(20) (2019) 630-639.
19. Espírito Santo, J., Matthes, R., Pinto, L., Decidability of several concepts of finiteness for simple types, *Fundamenta Informaticae*, 170(1-3) (2019) 111-138.
20. Espírito Santo, J., Matthes, R., Pinto, L., Inhabitation in simply-typed lambda-calculus through a lambda-calculus for proof search, *Mathematical Structures in Computer Science*, 29(8) (2019) 1092-1124.
21. Falcão, M.I., Miranda, F., Severino, R., Soares, M.J., The number of zeros of unilateral polynomials over coquaternions revisited, *Linear and Multilinear Algebra*, 67(6) (2019) 1231-1249.
22. Faria, T., Oliveira, J.J., A note on global attractivity of the periodic solution for a model of hematopoiesis, *Applied Mathematics Letters*, (94) (2019) 1-7.
23. Faria, T., Oliveira, J.J., Existence of positive periodic solutions for scalar delay differential equations with and without impulses, *Journal of Dynamics and Differential Equations*, 31(3) (2019) 1223-1245.
24. Fernandes, C., Ferrás, L.L., Habla, F., Carneiro, O., Nóbrega, J., Implementation of partial slip boundary conditions in an open-source finite-volume-based computational library, *Journal of Polymer Engineering*, 34 (2019) 377-387.
25. Ferrás, L.L., Luísa, M., Rebelo, M., McKinley G., Afonso, A., A generalized Phan-Thien-Tanner model, *Journal of Non-Newtonian Fluid Mechanics*, 269 (2019) 88-99.

26. Ferreira, A.C., Rebelo, J., Reis, H., Palais leaf-space manifolds and surfaces carrying holomorphic flows, *Moscow Mathematical Journal*, 19(2) (2019) 275-305.
27. Ferreira, H., Ferreira, M., Asymptotic dependence of bivariate maxima, *Communications in Statistics - Theory and Methods*, 48(13) (2019) 3269-3279.
28. Fontes, Dalila B.M.M., Pereira, Paulo A., Fontes, Fernando A.C.C., A decision Support System for TV self-promotion Scheduling, *International Journal of Advanced Trends in Computer Science and Engineering*, 8(2) (2019) 134-140.
29. Alves, F.R.V., Catarino, P., Mangueira, M.C. dos S., Sequência matricial generalizada de Fibonacci e sequência matricial k-Pell: propriedades matriciais, *C.Q.D.– Revista Eletrônica Paulista de Matemática*, 15 (2019) 39-54.
30. Alves, F.R.V., Catarino, P., Generalized Fibonacci and k-Pell Matrix sequence: another way of demonstrating their properties, *Notes on Number Theory and Discrete Mathematics*, 25(4) (2019) 110-122.
31. Alves, F. R. V., Catarino, P., Mangueira, M.C. dos S., Discovering Theorems about the Gaussian Mersenne Sequence with the Maple´s Help, *Annals. Computer Science Series*, 17(1) (2019) 169-177.
32. Garcia-Parrado, A., Mena, F. C., Gravitational radiation and the evolution of gravitational collapse in cylindrical symmetry, *Differential Geometry and its Applications*, 64 (2019) 29-46.
33. Gomes, A. R., Gonçalves, A. M., Dias, O., Morais, C., Parental behavior, cognitive appraisal, and motivation in young athletes, *Research Quarterly for Exercise and Sport*, 90(1) (2019) 80-94.
34. González, J., Grant, M., Vandembroucq, L., Hopf invariants for sectional category with applications to topological robotics, *The Quarterly Journal of Mathematics*, 70(4) (2019) 1209-1252.
35. Guterman, A., Lemos, R., Soares, G., More on the geometry of Krein space C-numerical range, *Applied Mathematics and Computation*, 352 (2019) 258-269.
36. Herdeiro, C., Oliveira, J., On the inexistence of solitons in Einstein-Maxwell-scalar models, *Classical and Quantum Gravity*, 36(10) (2019) 105015 (18 pp).
37. Kahl, T., Higher-dimensional automata modeling shared-variable systems, *Logical Methods in Computer Science*, 15(3) (2019) 28:1-28:21.
38. Kizilates, C., Catarino, P., On the bicomplex generalized tribonacci quaternions, *Mathematics*, 70(1) (2019) 80.

39. Leitão, C. J., Lima-Rodríguez, J. R., Ferreira, F., Avelino, C., Sánchez-Margallo, F. M., Antunes, L., Parasympathetic tone activity (PTA) evaluation to discriminate Ketorolac and Ketorolac/Tramadol analgesia level in swine, *Anesthesia & Analgesia*, 129(3) (2019) 882-889.
40. Leiva, V., Lillo, C., Gomes, M. I., Ferreira, M., Discussion of Birnbaum-Saunders distribution: A review of models, analysis, and applications and a novel financial extreme value data analytics from natural disasters, *Applied Stochastic Models in Business and Industry*, 35 (2019) 90-95.
41. Li, D., Ding, Y. N., WANG, Q., Zhang, Y. C., Azevedo, C., Zhang, Y. L., Hybrid effect of fiber mesh and short fibers on the biaxial bending behavior of TRC, *Magazine of Concrete Research*, 71(16) (2019) 869-880.
42. Liu, Z.Y., Chen, S.H., Xu, W.J., Zhang, Y.L., The eigen-structures of real (skew) circulant matrices with some applications, *Computational and Applied Mathematics*, 38:178 (2019).
43. Lopes, S., Pereira, R.M.S., Pereira, P.A., Caldeira, A. C., Fonte, V., Optimal control applied to an irrigation planning problem: a real case study in Portugal, *International Journal of Hydrology Science and Technology*, 9(2) (2019) 173-187.
44. Luz, P., Carloni, S., Static compact objects in Einstein-Cartan theory, *Physical Review D*, 100(8) (2019) 084037.
45. Luz, P., Mena, F. C., Ziaie, A. H., Influence of intrinsic spin in the formation of singularities for inhomogeneous effective dust space-times, *Classical and Quantum Gravity*, 36(1) (2019) 015003 (22pp).
46. Machado, T., Malheiro, T., Monteiro, S., Erlhagen, W., Bicho, E., Attractor dynamics approach to joint transportation by autonomous robots: theory, implementation and validation on the factory floor, *Autonomous Robots*, 43(3) (2019) 589-610.
47. Madjarevic, D., Simic, S., Soares, A.J., A ZND-like detonation wave in the multi-temperature mixture, *Journal of Fluid Mechanics*, 869 (2019) 674-705.
48. Mary, X., Patrício, P., Group-Regular Rings, *Filomat*, 33(11) (2019) 3551-3560.
49. Mendes Araújo, C., Mendes-Gonçalves, S., On a class of nonsingular matrices containing B-matrices, *Linear Algebra and its Applications*, 578 (2019) 356-369.
50. Ramos, M.P.M., Ribeiro, C., Soares, A.J., A kinetic model of T cell autoreactivity in autoimmune diseases, *Journal of Mathematical Biology*, 79(6) (2019) 2005-2031.

51. Rb-Silva, R., Nóbrega, C., Azevedo, C., Athayde, E., Gomes, J.D., Ferreira, I., Cheyner, R., Yates, A., Horta, A., Correia-Neves, M., Thymic function as a predictor of immune recovery in chronically HIV-infected patients initiating antiretroviral therapy, *Frontiers in Immunology*, 10 (2019).
52. Vieira, R.P.M., Alves, F.R.V., Catarino, P., Alternative views of some extensions of the Padovan sequence with the Google Colab, *Annals. Computer Science Series*, 17(2) (2019) 266-273.
53. Vieira, R.P.M., Alves, F.R.V., Catarino, P., Relações bidimensionais e identidades da sequência de Leonardo, *ReviSem – Revista Sergipana de Matemática e Educação Matemática*, 2 (2019) 156-173.
54. Vieira, R.P.M., Alves, F.R.V., Catarino, P., Sequência matricial (s_1, s_2, s_3) -Tridovan: aspectos históricos e propriedades, *C.Q.D.- Revista Eletrônica Paulista de Matemática, Bauru*, 16 (2019) 100-121.
55. Rodrigues, J.F., Santos, L., On nonlocal variational and quasi-variational inequalities with fractional gradient, *Applied Mathematics and Optimization*, 80 (2019) 835-852.
56. Shahriari, S., Faria, S., Gonçalves, A.M., A robust sparse linear approach for contaminated data, *Communications in Statistics - Simulation and Computation*, (2019).
57. Wani, A.A., Catarino, P., Halici, S., On a study of $(s; t)$ -generalized Pell sequence and its matrix sequence, *Punjab University Journal of Mathematics*, 51(9) (2019) 17-32.
58. Wani, A.A., Badshah, V.H., Rathore, G.P.S., Catarino, P., Generalized Fibonacci and k -Pell matrix sequences, *Punjab University Journal of Mathematics*, 51(1) (2019) 17-28.
59. Zhang, Y.L., da Costa, A. V., Simões-Pereira, J. M. S., The tower matrix, an alternative to deal with distances and quasi-distances, *Journal of Multiple-Valued Logic and Soft Computing*, 32(5-6) (2019) 449-454.
60. Zhu, H., Patrício, P., Characterizations for pseudo core inverses in a ring with involution, *Linear and Multilinear Algebra*, 67(6) (2019) 1109-1120.
61. Zhu, H., Patrício, P., Several types of one-sided partial orders in rings, *Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas*, 113(4) (2019) 3177-3184.
62. Zhu, H., Zou, H., Patrício, P., Generalized inverses and their relations with clean decompositions, *Journal of Algebra and Its Applications*, 18(7) (2019) 1950133.

1. Ahues, M., d'Almeida, F. D., Fernandes, R., Vasconcelos, P. B., Singularity subtraction for nonlinear weakly singular integral equations of the second kind, In *Integral Methods in Science and Engineering*, Birkhäuser, Cham, Constanda, C., Harris, P.(2019) 1-13.
2. Alves, A. C., F. Moreira, C. P. Leão, A. C. Pereira, S. M. M. A. Pereira-Lima, M. T. Malheiro, S. O. Lopes, and S. Oliveira, Industrial engineering and management PBL implementation: an effortless experience?, *International Symposium on Project Approaches in Engineering Education*, Hammamet, Tunisia, June, 10-12, 2019., 9 117-127, 2019.
3. Amorim, A., Moreira, C., Simulation study under a semi-parametric model for censored gap times, 34th International Workshop on Statistical Modelling (IWSM 2019), Guimarães, Portugal, July 7-12., Guimarães, Portugal, July 7-12, 2019. *Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume II*, 2019.
4. Azevedo-Perdicoulis, T.-P., Perestrelo, F., Almeida, R., A Note on convergence of finite differences schemata for gas network simulation, 22nd International Conference on Process Control, PC 20198815241, Strbske Pleso, Slovakia, June, 11-14, 2019. IEEE-Institute of Electrical and Electronics Engineers Inc. 274-279, 2019.
5. Batista, A., de Miranda, J. L., Teixeira, A. P., The needs and barriers within the supply chain actors hospital pharmacy needs, In *Pharmaceutical Supply Chains-Medicines Shortages*, Springer, Barbosa-Povoa, A. P., Jenzer, H., de Miranda, J. L.(2019) 147-153.
6. Campos, P., Pina, S., Gonçalves, A.M., Small area estimation for land use and land cover, 34th International Workshop on Statistical Modelling (IWSM 2019), Guimarães, Portugal, July 7-12, 2019. *Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume I* 49-54, 2019.
7. Catalão, D., Gonçalves, A.M., Faria, S., Oliveira, J., Um estudo estatístico para a avaliação do cultivo da vinha (Minho e Galiza), In *Classificação e Análise de Dados - Métodos e Aplicações III -CLADMAP III*, INE, Bacelar-Nicolau, H., Sousa, F., Marcelo, C., Ferreira, A. S., Infante, P., Figueiredo, A. (2019) 1-11.
8. Cohen, D., Vandembroucq, L., Motion planning in connected sums of real projectives spaces, *Spring Topology and Dynamics Conference*, Auburn, Alabama, USA, 2018. *Topology Proceedings*, 54 323-334, 2019.
9. Costa, C., Gonçalves, A.M., Costa, M., Lopes, S.O., Forecasting temperature time series for irrigation planning problems, 34th International Workshop on Statistical Modelling

- (IWSM 2019), Guimarães, Portugal, July 7-12, 2019. Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume II 323-326, 2019.
10. Costa, M.F.P., Fernandes, E.M.G.P., Rocha, A.M.A.C., A two-phase heuristic coupled DIRECT method for bound constrained global optimization, 13th International Conferences EUROGEN 2019, Guimarães, Portugal, September 12-14, 2019. Proceedings of 13th International Conferences EUROGEN 2019 - Edited by Gaspar-Cunha, A., Costa, L. 8 pages, 2019.
 11. Cunha, A., Ferreira, F., Erlhagen, W., Sousa, E., Louro, L., Vicente, P., Monteiro, S. and Bicho, E., Towards endowing collaborative robots with fast learning for minimizing tutors? demonstrations: what and when to do?, Robot 2019: Fourth Iberian Robotics Conference, Porto, Portugal, November, 20-22, 2019. Advances in Intelligent Systems and Computing book series, Springer, 1092 368-378, 2019.
 12. Ding, Y.N., Liu, G., Han, Z., Pacheco-Torgal, F., Veloso da Costa, A., Concrete with nanomaterials and fibers for self-monitoring of strain and cracking subjected to flexure, In Nanotechnology in Eco-efficient Construction, Elsevier, Pacheco-Torgal, F., Diamanti, M.V Nazari. A., Goran-Granqvist. C., Pruna. A., Amirkhanian. S(2018) 261-279.
 13. Espírito Santo, J., Pinto, L., Uustalu, T., Modal embeddings and calling paradigms, 4th International Conference on Formal Structures for Computation and Deduction (FSCD 2019)., Dortmund, Germany, June, 24-30, 2019. Schloss Dagstuhl, LIPIcs 131 18:1-18:20, 2019.
 14. Faria, C., Vilaça, J., Monteiro, S., Erlhagen, W. , Bicho, E., Automatic Denavit-Hartenberg parameter identification for serial manipulators, IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society, Lisbon, Portugal, October, 14-17. IEEE 610-617, 2019.
 15. Fernandes. C., Fonseca, L., Ferreira, F., Gago, M., Costa, L., Sousa, N., Ferreira, C., Gama, J., Erlhagen, W., Bicho, E., Artificial neural networks classification of patients with parkinsonism based on Gait, 2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM18), Madrid, Spain, December, 3-6. IEEE 2024-2030, 2018.
 16. Ferrás, L.L., Ford, N., Morgado, L., Rebelo, M., A hybrid numerical scheme for fractional-order systems, In Volume 505 of the Lecture Notes in Electrical Engineering series (2019). In book: Innovation, Engineering and Entrepreneurship, Elsevier, Machado, José Mendes, Soares, Filomena, Veiga, Germano(2019) 735-742.
 17. Ferrás, L.L., Morgado, L., Rebelo, M., Castelo, A., Leiva, R.T., McKinley G., Afonso, A., Recent advances in complex fluids modeling, In Fluid Flow Problems 2019, IntechOpen,

Farhad Ali(2019) 7-23.

18. Ferreira, M., Contributions for modeling characterization of heavy-tail time series, 34th International Workshop on Statistical Modelling (IWSM 2019), Guimarães, Portugal, July 7-12, 2019. Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume II 10-14, 2019.
19. Gonçalves, A.M., Costa, C., Costa, M., Lopes, S.O., Pereira, R., Temperature time series forecasting in the optimal challenges in irrigation (TO CHAIR), 13th International Conferences EUROGEN 2019, Guimarães, Portugal, September 12-14, 2019. Proceedings of 13th International Conferences EUROGEN 2019 - Edited by Gaspar-Cunha, A., Costa, L. 6 pages, 2019.
20. Leão, C.P., Rodrigues, M.A., Brito, I., Analyzing and classifying risks: a case-study in the furniture industry, International Symposium on Occupational Safety and Hygiene SHO2019, Guimarães, Portugal, April 15-16, 2019. Springer, 202 81-87, 2019.
21. Lima, S., Gonçalves, A.M., Costa, M., Time series forecasting using Holt-Winters exponential smoothing: an application to economic data, 15th International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2019), Rhodes, Greece, May 1-5, 2019. American Institute of Physics (AIP Conference Proceedings), 2186(1) 090003-1 –090003-4, 2019.
22. Lopes, S.O., Costa, M.F.P., Pereira, R.M.S. , Fontes, F.A.C.C., Replanning the irrigation systems, 4th International Conference on Numerical and Symbolic Computation: Developments and Applications (SYMCOMP2019), Porto, Portugal, April 11-12, 2019. Proceedings of 4th International Conference on Numerical and Symbolic Computation: Developments and Applications 533-540, 2019.
23. Lopes, S.O., Costa, M.F.P. , Pereira, R.M.S., Malheiro, M.T. , Fontes, F A. C. C., Irrigation planning with fine meshes, 13th International Conferences EUROGEN 2019, Guimarães, Portugal, September 12-14, 2019. Proceedings of 13th International Conferences EUROGEN 2019 - Edited by Gaspar-Cunha, A., Costa, L. 6 pages, 2019.
24. Malheiro, M.T., Pereira, R.M.S. , Gonçalves, A.M., Pereira, P.A., Caldeira, A. C., Lopes, S. O., Hands on experiments about water needs in agriculture and their mathematical modelling under climate change, ICSET 2019: Proceedings of the 2019 3rd International Conference on E-Society, E-Education and E-Technology, Taipei, Taiwan, August 15-17, 2019. ACM Digital Library 131-135, 2019.
25. Malonek, H., Cação, I., Falcão, M.I., Tomaz, G., Harmonic analysis and hypercomplex function theory in co-dimension one, International Scientific Conference (on) Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis,

- Rostov-on-Don, Russia, April 22-27, 2018. Springer Proceedings in Mathematics & Statistics, 291 93-115, 2019.
26. Matias, J., Cerveira, A., Santos, C., Marta-Costa, A., Previsão de comportamento da viticultura: uma abordagem de modelo baseado em agentes, 26th APDR Congress, Aveiro, Portugal, July 4-5, 2019. Associação Portuguesa para o Desenvolvimento Regional 1062-1070, 2019.
 27. Moreira, C., Meira-Machado, L., Fonseca, M.J., Santos, A.C., Multi-level modelling of longitudinal child growth data: a comparison of growth models in the Generation XXI birth cohort, 34th International Workshop on Statistical Modelling (IWSM 2019), Guimarães, Portugal, July 7-12., Guimarães, Portugal, July 7-12, 2019. Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume II, 2019.
 28. Pinto, R.S., Costa, M.F.P., Costa, L.A., Gaspar-Cunha, A., A neuroevolutionary approach to feature selection using multiobjective evolutionary algorithms, 13th International Conferences EUROGEN 2019, Guimarães, Portugal, September 12-14, 2019. Proceedings of 13th International Conferences EUROGEN 2019 - Edited by Gaspar-Cunha, A., Costa, L. 6 pages, 2019.
 29. Ramadas, G.C.V., Fernandes, E.M.G.P., Rocha, A.M.A.C., Costa, M.F.P., A Multiple shooting descent-based filter method for optimal control, 13th International Conferences EUROGEN 2019, Guimarães, Portugal, September 12-14, 2019. Proceedings of 13th International Conferences EUROGEN 2019 - Edited by Gaspar-Cunha, A., Costa, L. 8 pages, 2019.
 30. Ramadas, G.C.V., Fernandes, E.M.G.P., Rocha, A.M.A.C., Costa, M.F.P., Exploring a multi-objective approach for optimal control problems via a direct multiple shooting method, 13th International Conference on Multiple Objective Programming and Goal Programming, Marrakech, Marrocos, October 28-31, 2019. Proceedings of 13th International Conference on Multiple Objective Programming and Goal Programming 4 pages, 2019.
 31. Rocha, A.M.A.C., Costa, M.F.P., Fernandes, E.M.G.P., A Stochastic coordinate descent for bound constrained global optimization, 14th International Workshop on Global Optimization, Leiden, Netherlands, September 18-21, 2018. AIP Conference Proceedings, 2070(1) 020014-1 - 020014-4, 2019.
 32. Rodrigues, J.F., Santos, L., Variational and quasi-variational inequalities with gradient type constraints, CIM-WIAS Workshop Topics in Applied Analysis and Optimisation, Lisbon, Portugal, December 6-8, 2018. Springer, CIM-Springer Series 319-361, 2019.

33. Rodrigues, J., Gonçalves, A.M., Faria, S., Simões, C., Gomes, A.R., O papel mediador da avaliação cognitiva na relação entre a mútua interferência trabalho-família e o Burnout, In *Classificação e Análise de Dados - Métodos e Aplicações III -CLADMAP III*, INE, Bacelar-Nicolau, H., Sousa, F., Marcelo, C., Ferreira, A. S., Infante, P., Figueiredo, A.(2019) 211-220.
34. Sabet, S., Dourado, M., Pereira, A., Silva, A., Carvalho, F., Brito, I., Machado, J., Meireles, J., Azevedo, J., Carvalho, S., Gomes, J., Abreu, C., Friction properties of polyoxymethylene (POM) materials in dry and lubricated conditions, *Innovation, Engineering and Entrepreneurship. HELIX 2018.*, Guimarães, Portugal, June 27-29, 2018. Springer, Cham, 505 568-573, 2019.
35. Silva, C.S., Gonçalves, A.M., Faria, S., Statistical modeling in the analysis of river water quality monitoring sites, 34th International Workshop on Statistical Modelling (IWSM 2019), Guimarães, Portugal, July 7-12, 2019. Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume II 295-298, 2019.
36. Silva, V.H., Sepúlveda, D., Pinto, D., Pinheiro, V., Jota, L., Fontão, C., Castro, J.P., Costa, A., Ribeiro, J. Gonçalves, A.M., Statistical analysis of urban waste management via pay-as-you-throw (PAYT) system in the portuguese city of Guimarães, 34th International Workshop on Statistical Modelling (IWSM 2019), Guimarães, Portugal, July 7-12, 2019. Proceedings of the 34th International Workshop on Statistical Modelling - Edited by Meira-Machado, L., Soutinho, G., Volume II 310-313, 2019.
37. Wojtak, W., Ferreira, F., Bicho, E., Erlhagen, W., Neural field model for measuring and reproducing time intervals, 28th International Conference on Artificial Neural Networks (ICANN2019), Munich, Germany, September, 17-19, 2019. Lecture Notes in Computer Science, Springer, 11727 327-338, 2019.
38. Wojtak, W., Ferreira, F., Erlhagen, W., Bicho, E., Numerical analysis of the shape of bump solutions in a neuronal model of working memory, 16th International Conference of Numerical Analysis and Applied Mathematics, 13-18 September 2018, Rhodes Greece, Rhodes, Greece, September, 13-18, 2018. AIP Conference Proceedings, 2116, 2019.

OTHER PUBLICATIONS

1. Alves, A.C., Moreira, F., Carvalho, M.A., Oliveira, S., Malheiro, M.T., Brito, I., Leão, C.P., Teixeira, S., Integrating science, technology, engineering and mathematics contents through PBL in an industrial engineering and management first year program, produção, 29 (2019) Article number e20180111.
2. Brito, I., Almeida, J.J., Machado, G.J., Mvgen: multi version question generation for math courses, Open Education Studies, Vol.1, 146-150, 2019.
3. Brito, I., Almeida, J.J., Machado, G.J., Pereira, R.M.S., Smirnov, G., Araújo, I., Carvalho, N., Sistema Passarola - geração automática de exercícios, Atas do 5º Congresso Nacional de Práticas Pedagógicas no Ensino Superior, CNaPPES 2018, 86-92, 2019.
4. Costa, C., Forjaz, M.A., Almeida, M.A.J., Aguiar, C.A., Searching for chemical elements: a multidisciplinary activity in the 150th anniversary of the periodic table of chemical elements, 16th annual international conference on Hands-on Science, HSCI2019, Ukraine, at the National Technical University , September 2-6.
5. Catarino, P., Nascimento, M.M., Morais, E., Campos, H., Vasco, P., Catarino, P., Nascimento, M.M., Morais, E., Campos, H., Vasco, P., Breaking the habit: engineering students' understanding of mathematical creativity, European Journal of Engineering Education, 44(4), 449-460 (2019).
6. Espírito Santo, J., Aplicações do processo diagonal, Alan Turing: Cientista Universal, pp 85-99, UMinho Editora, 2019.
7. Silva, J., Tereso, A., Moura, C., Tovar, J., Escadas, M., Azevedo, M., Aguiar, C., Mina, I., Oliveira, R., Soares, F., Peixoto, L., Forjaz, M.A., Trigueiros, P., Araújo, S., Os audience response systems como instrumentos de inovação no ensino e na aprendizagem ativa: aplicações no âmbito de uma comunidade de prática e inovação em ensino e aprendizagem e percepções dos alunos", Atas do 6º Congresso Nacional de Práticas Pedagógicas no Ensino Superior, CNaPPES 2019.
8. Nascimento, M.M., Catarino, P., Morais, E., Vasco, P., Com um brilhozinho nos olhos: três experiências promotoras de ensino do pensamento crítico na área da Matemática, Revista Lusófona de Educação, 44(44), 191-209 (2019).