

Scientific outputs

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CEMMPRE

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Books and Chapters

International Book

1. C.S. Kumar, and F.D. Fernandes, Thin-Films for Machining Difficult-to-Cut Materials: Challenges, Applications, and Future Prospects (1st edition), CRC Press, Taylor & Francis group, 2023, 9781003340553. <https://doi.org/10.1201/9781003340553>
2. J. Hongbo, H. Kanghui, and L. Jing, Self-lubricant hard coatings for harsh environments, Scholar's Press, 2023, 978-620-5-52256-1

International Book Edition

1. A.P. Moreira, F. Vidal, and P. Neto, Advances in Industrial Robotics and Intelligent Systems, ISBN: 978-3-0365-7540-7 2023. <https://www.mdpi.com/books/book/7272-advances-in-industrial-robotics-and-intelligent-systems>
2. A.P. Moreira, P. Neto, and F. Vidal, Advances in Industrial Robotics and Intelligent Systems, ISBN: 978-3-0365-6554-5 2023. <https://www.mdpi.com/books/book/6850-advances-in-industrial-robotics-and-intelligent-systems>
3. J.P. Almeida, C.S. Geraldés, I.C. Lopes, S. Moniz, J.F. Oliveira, and A.A. Pinto, IO 2021 – Analytics for a Better World, XXI Congress of APDIO, Figueira da Foz, Portugal, November 7–8, 2021, Operational Research, Springer Proceedings in Mathematics & Statistics, 2023. <https://doi.org/10.1007/978-3-031-20788-4>

International Book Chapters

1. A. Lalmi, G. Fernandes, and S. Boudemag, A Hybrid Project Management Model for Construction Projects, in Mixed Methods Research Design for the Built Environment, Taylor & Francis, 2023. <https://doi.org/10.1201/9781003204046-5>
2. A.C. Pinho, and A.P. Piedade, Stimuli-Responsive Smart Materials for Additive Manufacturing, in Nanotechnology-Based Additive Manufacturing: Product Design, Properties and Applications, Volume 2, Wiley & Sons. 2023, 249-276. <https://doi.org/10.1002/9783527835478.ch9>
3. G. Fernandes, and D. O'Sullivan, Governance evolution in university-industry collaborative R&D programs, in Research Handbook on the Governance of Projects, Elgar, 429-445. <https://doi.org/10.4337/9781802208078.00044>

4. G.V. Martins, M.A.R. Khan, A.M.L. Piloto, J.R.L. Guerreiro, Y.C. Guerrero, F.T.C. Moreira, and M.G.F. Sales, Molecularly imprinted polymers in electrochemical sensing – a step closer to achieving technology readiness, in *Molecularly-Imprinted Polymers (MIPs), Commercialization prospects*, M. Singh, Elsevier, 2023, 143-215. <https://doi.org/10.1016/B978-0-323-91925-8.00017-X>*
5. L.P.T. Carneiro, N.S. Ferreira, A.M.F.R. Pinto, and M.G.F. Sales, Nano-inks for fuel cells application, in *Smart Multifunctional Nano-inks, Fundamentals and Emerging Applications*, Micro and Nano Technologies, R.K. Gupta, T.A. Nguyen, Elsevier, 333-357. <https://doi.org/10.1016/B978-0-323-91145-0.00008-6>*
6. N.A. Sakharova, J.M. Antunes, A.F.G. Pereira, B.M. Chaparro, and J.V. Fernandes, Numerical Simulation of the Mechanical Behaviour of Boron Nitride Nanosheets and Nanotubes, in *Boron, Boron Compounds and Boron-Based Materials and Structures*, edited by Metin Aydin. IntechOpen, 2023. <https://doi.org/10.5772/intechopen.111868>
7. T. Ruivo, M.S. Correia, H.A. Almeida, and A.M. Amaro, Mechanical Behaviour of Polyamide 12 Parts Manufactured by SLS Process, in *Additive Manufacturing in Multidisciplinary, Cooperation and Production* Springer International Publishing, 2023, 53–63. https://doi.org/10.1007/978-3-031-37671-9_6

National Book Edition

1. A.M. Amaro, A. Messias, B. Gomes, H. Almeida, L. Roseiro, M.A. Neto, P. Paulino, M.A. Castro, and V. Maranhã, *X Congresso da Sociedade Portuguesa de Biomecânica, Livro de Resumos*, 2023, 978-989-33-4641-9

National Book Chapters

1. A. Ramalho, and M. Gaspar, *A Transição Digital e o Ensino da Engenharia: Formação Online em Design e Fabrico Integrados por Computador*, in *Passado, Presente e Futuro(s) do eLearning em Portugal: 10 anos do EaDe*, 2023, 99-104. <https://doi.org/10.34627/leadt.2023.5>
2. P.B. Maia, V. Maranhã, and L. Roseiro, *Redesenhar a interação com superfícies contaminadas: projeto de um dispositivo auxiliar de abertura de portas*, in *Design para Ideias Ecosistémicas*, Coordenação Fátima Pombo, UA Editora, 2023, 258-283. <http://dx.doi.org/10.48528/5nvj-h928>

Papers in Journals

Papers in International Journals

1. Abreu, C.M.R., Rezende, T.C., Serra, A.C., Fonseca, A.C., Braslau, R., and Coelho, J.F.J, “Convenient and industrially viable internal plasticization of poly(vinyl chloride): copolymerization of vinyl chloride and commercial monomers”, *Polymer*, vol. 267, 125688, Jan. 2023, doi: 10.1016/j.polymer.2023.125688
2. Agostinho, B., Silvestre, A.J.D., Coutinho, J.A.P., and Sousa, A.F., “Synthetic (bio)degradable polymers – when does recycling fail?”, *Green Chemistry*, vol. 25, no. 1, pp. 13-31, 2023, doi: 10.1039/D2GC02726G
3. Akhzeroun, A., Semcha, A., Bezazi, A., Boumediri, H., Reis, P.N.B., and Scarpa, F., “Development and characterization of a new sustainable composite reinforced with date palm stems for rehabilitation and reconstruction of earthen built heritage”, *Composite Structures*, vol. 316, 117015, Jul. 2023, doi: 10.1016/j.compstruct.2023.117015
4. Al Abir, A., Chakrabarti, D. and Trindade, B., “Fused Filament Fabricated Poly(lactic acid) Parts Reinforced with Short Carbon Fiber and Graphene Nanoparticles with Improved Tribological Properties”, *Polymers*, vol. 15, no. 11: 2451, 15 pp., May 2023, doi: 10.3390/polym15112451
5. Al Abir, A. and Trindade, B., “A Comparative Study of Different Poly (Lactic Acid) Bio-Composites Produced by Mechanical Alloying and Casting for Tribological Applications”, *Materials*, vol. 16, no. 4: 1608, Feb. 2023, doi: 10.3390/ma16041608
6. Alves, S., Babcinski, M., Silva, A., Neto Diogo, Fonseca, D., and Neto, P., “Integrated Design Fabrication and Control of a Bioinspired Multimaterial Soft Robotic Hand”, *Cyborg and Bionic Systems*, vol. 4, 2023, doi.org/10.34133/cbsystems.0051
7. Amaro, C.M., Amaro, A.M., Gomes, B.B., Castro, M.A., and Mendes, R., “Effects of Different Basketball Shooting Positions and Distances on Gaze Behavior and Shooting Accuracy”, *Applied Sciences-Basel*, vol. 13, no. 5: 2911, Feb. 2023, doi: 10.3390/app13052911
8. Amjad, A., Kordel, P., and Fernandes, G, “A Review on Innovation in Healthcare Sector (Telehealth) through”, *Sustainability*, vol. 15, no. 8: 6655, Apr. 2023, doi: 10.3390/su15086655
9. Andrade, D.G., Sabari, S., Galvão, I., Leitão, C., and Rodrigues, D.M., “Temperature and torque in FSSW of steel sheets: experimental measurements and modelling”, *Welding in the World*, vol. 67, no. 2, pp. 341-352, 2023, doi: 10.1007/s40194-022-01418-x. *
10. Antunes, F. V., “Fatigue Crack Growth in Metallic Materials. *Materials*”, vol. 16 no. 1, 11, 2023, doi.org/10.3390/ma16010011

11. Arantes, A., and Ferreira, L.M.D.F., “Development of delay mitigation measures in construction projects: a combined interpretative structural modeling and MICMAC analysis approach”, *Production Planning & Control*, pp. 1-16, Jan. 2023, doi: 10.1080/09537287.2022.2163934
12. Araujo, E.S., Pereira, M.F.G., da Silva, G.M.G., Tavares, G.F., Oliveira, C.Y.B., and Faia, P. M., “A Review on the Use of Metal Oxide-Based Nanocomposites for the Remediation of Organics-Contaminated Water via Photocatalysis: Fundamentals, Bibliometric Study and Recent Advances”, *Toxics*, vol. 11, no. 8, 2023, doi.org/10.3390/toxics11080658
13. Araújo, G.M., Cardoso, M.A., Codognoto, L., Brett, C.M.A., and Simões, F. R., “Screen-Printed Electrodes Based on Conductive Inks of Polyaniline/Graphene Hybrids and Their Application to Progesterone Detection”, *ECS Advances*, vol. 2, no. 1, 016504, 2023, doi.org/10.1149/2754-2734/acbeca
14. Ataie, S.A., Qashqay, S.M., Zamani-Meymian, M.R., and Ferreira, F., “Effect of Substrate Bias Voltage on Microstructure and Mechanical Properties of Cr-Nb-Ti-Zr-N-O Ceramic Thin Films Produced by Reactive Sputtering”, *Coatings*, vol. 13, no. 7, 2023, doi.org/10.3390/coatings13071141
15. Ataie, S.A., Soltanieh, M., Naghizadeh, R., Cavaleiro, A., Evaristo, M., Fernandes, F., and Ferreira, F., “Effect of substrate bias voltage on structural and tribological properties of W-Ti-C-N thin films produced by combinational HiPIMS and DCMS co-sputtering”, *Wear*, 520, 2023, doi.org/10.1016/j.wear.2023.204654
16. Ataie, S.A., Soltanieh, M., Naghizadeh, R., Cavaleiro, A., Fernandes, F., and Ferreira, F., “Effect of peak power on microstructure, mechanical and tribological properties of W-Ti-C-N(O) ceramic films produced by hybrid sputtering”, *Tribology International*, vol. 189, 2023, doi.org/10.1016/j.triboint.2023.108983
17. Baptista, A., Pinto, G.F., Sousa, V.F.C., Silva, F.J.G., and Fernandes, F., “Study on the Micro-Abrasion Wear Behavior of PVD Hard Coating under Different SiC Abrasive Particles/Distilled Water Ratios”, *Materials*, vol. 16, no. 8: 2939, 2023, doi.org/10.3390/ma16082939
18. Baptista, B., Oliveira, A.S.R., Mendonça, P., Serra, A.C., Coelho, J.F.J., and Sousa, F., “pH-responsive nanoparticles based on POEOMA-b-PDPA block copolymers for RNA encapsulation, protection and cell delivery”, *Biomaterials Advances*, vol. 145, 213267, 2023, doi.org/10.1016/j.bioadv.2022.213267
19. Batista, C.Y.P., Romaguera-Barcelay, Y., Matos, R.S., Atherly Pedraca, A. dos S., Amancio, M. do A., Kourouma, A., Ruiz, Y.L., Cotta, E.A., Brito, W.R., Gandarilla, A.M. D., do Nascimento, M.V.B., Nobre, F.X., Ferreira, N.S., Salerno, M., and da Fonseca Filho, H.D., “Morphology, microstructure, and electrocatalytical properties of sol-gel spin-coated Bi_{0.5}Na_{0.5}Ba(TiO₃)₂ thin films”, *Applied Surface Science*, 615, 2023, doi.org/10.1016/j.apsusc.2023.156374.*
20. Barros, L.Y., Poletto, J.C., Gehlen, G.S., Lasch, G., Neis, P.D., Ramalho, A., and Ferreira, N.F., “Transition in wear regime during braking applications: An analysis of the debris and surfaces of the brake pad and disc”, *Tribology International*, vol. 189, 2023, doi.org/10.1016/j.triboint.2023.108968

21. Benali, A., Saher, L., Bejar, M., Dhahri, E., Graca, M.F.P., Valente, M.A., Sanguino, P., Helguero, L.A., Bachari, K., Silva, A.M.S., and Costa, B.F.O., "CoFe₂O₄ spinel ferrite studies on permanent magnet application and cytotoxic effects on breast and prostate cancer cell lines", *Journal of Materials Science-Materials in Electronics*, vol. 34, no. 53, 2023, doi.org/10.1007/s10854-022-09398-w
22. Benzarti, Z., Khalfallah, A., Bougrioua, Z., Evaristo, M., and Cavaleiro, A., "Understanding the influence of physical properties on the mechanical characteristics of Mg-doped GaN thin films", *Materials Chemistry and Physics*, vol. 307, 128182, Oct. 2023, doi.org/10.1016/j.matchemphys.2023.128182
23. Beygi, R., Galvao, I., Akhavan-Safar, A., Pouraliakbar, H., Fallah, V., and da Silva, L. F. M., "Effect of Alloying Elements on Intermetallic Formation during Friction Stir Welding of Dissimilar Metals: A Critical Review on Aluminum/Steel", *Metals*, vol. 13, no. 4, Apr. 2023, doi.org/10.3390/met13040768
24. Beygi, R., Galvão, I., Nematzadeh, F., Leitão, C.M., Leal, R.M., and Silva, L.F.M., "A Novel Procedure for Friction Stir Welding Aluminium to Copper by Using an Aluminium Run-On Plate", *Materials Science Forum*, vol. 1110, pp. 83-90, 2023, doi: 10.4028/p-bx2Mmm
25. Bondarev, A., Al-Rjoub, A., bin Yaqub, T., Polcar, T., and Fernandes, F., "TEM study of the oxidation resistance and diffusion processes in a multilayered TiSiN/TiN(Ag) coating designed for tribological applications", *Applied Surface Science*, vol. 609, 155319, 2023, doi.org/10.1016/j.apsusc.2022.155319
26. Borges, M.F., Antunes, F.V., Jesus, J., Branco, R., Prates, P., and Neto, D.M., "Effect of L-T and S-T orientations on fatigue crack growth in an aluminum 7050-T7451 plate", *Fatigue & Fracture of Engineering Materials & Structures*, vol. 46, no. 9, pp. 3274–3289, 2023, doi.org/10.1111/ffe.14067
27. Boyer, A., Demazel, N., Coer, J., Carin, M., Laurent, H., and Oliveira, M.C., "A novel hydraulic bulge test in hot forming conditions", *Journal of Materials processing Technology*, vol. 316, 117917, Jul. 2023, doi.org/10.1016/j.jmatprotec.2023.117917
28. Camacho, J., Martins, R.F.F., Branco, R., Raimundo, A., and Malca, C., "The influence of printing strategies on fatigue crack growth behavior of an additively manufactured AISI 316L stainless steel", *Fatigue & Fracture of Engineering Materials & Structures*, vol. 46, no. 10, pp. 3953–3965, 2023, doi.org/10.1111/ffe.14112
29. Camacho-Reyes, A., Antunes, F.V., Vasco-Olmo, J.M., Diaz, F.A., and Felipe-Sese, L.A., "On the experimental characterisation of crack tip displacement fields on nonplanar elements: Numerical and experimental analysis", *Theoretical and Applied Fracture Mechanics*, vol. 124, 103803, Apr. 2023, doi.org/10.1016/j.tafmec.2023.103803
30. Camas, D., Branco, R., Antunes, F.V., and Neto, D.M., "Three-dimensional numerical study of thickness effect on plastic CTOD and monotonic plastic zone in an aluminium CT specimen", *Theoretical and Applied Fracture Mechanics*, vol. 128, 104132, Dec. 2023, doi.org/10.1016/j.tafmec.2023.104132
31. Cardoso, P.H.N., Oliveira, C.Y.B., Nunes, M., Tavares, G.F., Faia, P.M., and Araujo, E.S., "Eudragit E100/Hesperidin 3D Printing Filaments: Preparation, Characterization, and In Vitro Release Studies", *Applied Sciences-Basel*, vol. 13, no. 20: 11558, Oct. 2023, doi.org/10.3390/app132011558

32. Carneiro, E., Castro, J.D., Lima, M.J., Ferreira, J., and Carvalho, S., "Corrosion Resistance in Artificial Perspiration of Cr-Based Decorative Coatings", *Nanomaterials*, vol. 13, no. 16, 2023, doi.org/10.3390/nano13162346
33. Carneiro, I., Fernandes, J.V., and Simoes, S., "Microstructural Characterization of Al/CNTs Nanocomposites after Cold Rolling", *Nanomaterials*, vol. 13, no. 8, 2023, doi.org/10.3390/nano13081362
34. Carneiro, I., Monteiro, B., Ribeiro, B., Fernandes, J.V., and Simoes, S., "Production and Characterization of Cu/CNT Nanocomposites", *Applied Sciences-Basel*, vol. 13, no. 6, 2023, doi.org/10.3390/app13063378
35. Carneiro, L.P.T., Pinto, A.M.F.R., & Sales, M.G.F., "Development of an innovative flexible paper-based methanol fuel cell (PB-DMFC) sensing platform – Application to sarcosine detection", *Chemical Engineering Journal*, vol. 452, 139563, 2023, doi.org/10.1016/J.CEJ.2022.139563.*
36. Carvalho, B.O., Gonçalves, L.P.C., Mendonça, P.V., Pereira, J.P., Serra, A.C., and Coelho, J.F.J., "Replacing Harmful Flame Retardants with Biodegradable Starch-Based Materials in Polyethylene Formulations", *Polymers*, vol. 15, no. 20, 4078, 2023, doi.org/10.3390/polym15204078
37. Carvalho, G.H.S.F.L., Galvão, I., Mendes, R., Leal, R.M., Moreira, A.B., Loureiro, A., "The role of physical properties in explosive welding of copper to stainless steel", *Defence Technology*, vol. 22, pp. 88-98, Apr. 2023, https://doi.org/10.1016/j.dt.2022.08.016
38. Carvalho, G.H.S.F.L., Venturini, G., Campatelli, G., and Galvanetto, E., "Development of optimal deposition strategies for cladding of Inconel 625 on carbon steel using wire arc additive manufacturing", *Surface and Coatings Technology*, vol. 453, 129128, 2023, doi.org/10.1016/j.surfcoat.2022.129128
39. Castro, J.D., Ans, M., Cavaleiro, D., and Carvalho, S., "Tribological and mechanical properties of ZrxNy films obtained by HiPIMS in DOMS mode", *Tribology International*, vol. 189, 108960, Nov. 2023, doi.org/10.1016/j.triboint.2023.108960
40. Castro, J.D., Evaristo, M., and Carvalho, S., "Mechanical and anti-corrosion behaviour of ZrNxOy films deposited by Reactive High-Power Impulse Magnetron Sputtering for maritime applications", *Surface & Coatings Technology*, vol. 473, 129991, 2023, doi.org/10.1016/j.surfcoat.2023.129991
41. Castro, J.D., Pinto, B., Ferreira, F., Serra, R., and Carvalho, S., "Wettability and corrosion resistance of zirconium nitride films obtained via reactive high-power impulse magnetron sputtering", *Journal of Vacuum Science & Technology A*, vol. 41, no. 2, 2023, doi.org/10.1116/6.0002341
42. Cavaleiro, D., Munnik, F., Krause, M., Carbo-Argibay, E., Ferreira, P.J., Cavaleiro, A., and Fernandes, F., "The role of interfaces and morphology on silver diffusion in hard coatings", *Surfaces and Interfaces*, vol. 41, 103182, Oct. 2023, doi.org/10.1016/j.surfin.2023.103182
43. Chiorcea-Paquim, A.-M., "Advances in Electrochemical Biosensor Technologies for the Detection of Nucleic Acid Breast Cancer Biomarkers", *Sensors*, vol. 23, no. 8, 2023, doi.org/10.3390/s23084128

44. Chiorcea-Paquim, A.-M., “Electrochemistry of Flavonoids: A Comprehensive Review”, *International Journal of Molecular Sciences*, vol. 24, no. 21, 2023, doi.org/10.3390/ijms242115667
45. Chiorcea-Paquim, A.-M., “Electrochemical Sensing of Curcumin: A Review”, *Antioxidants*, vol. 12, no. 12, 2023, doi.org/10.3390/antiox12122029
46. Chiorcea-Paquim, A.-M., and Oliveira-Brett, A.M., “Electrochemistry of chemotherapeutic alkylating agents and their interaction with DNA”, *Journal of Pharmaceutical and Biomedical Analysis*, vol. 222, 115036, 2023, doi.org/10.1016/j.jpba.2022.115036
47. Correia, A.A.S., Caldeira, J.B., Branco, R., and Morais, P.V., “Enhancing the Strength of Mine Residue Soil by Bioremediation Combined with Biopolymers”, *Applied Sciences-Basel*, vol. 13, no. 18, 2023, doi.org/10.3390/app131810550
48. Correia, B., Oliveira, D., Vulpe, G., Tavares, A.P.M., Sales, M.G.F., Duarte, A.J., and Sharma Sanjiv and Moreira, F.T.C., “A cork based substrate coupled with artificial antibodies for point-of-care detection of pro-inflammatory cytokine biomarkers”, *Sensors & Diagnostics*, vol. 2, no. 4, pp. 956–963, 2023, doi.org/10.1039/d3sd00022b.*
49. Correia, A.A.S., Caldeira, J.B., Branco, R., and Morais, P.V., “Enhancing the Strength of Mine Residue Soil by Bioremediation Combined with Biopolymers”, *Appl. Sci.*, vol. 13, no. 18, 10550, 2023, doi.org/10.3390/app131810550
50. Correia, M., Lopes, J., Lopes, D., Melero, A., Makvandi, P., Veiga, F., Coelho, J.F.J., Fonseca, A.C., and Paiva-Santos, A.C., “Nanotechnology-based techniques for hair follicle regeneration”, *Biomaterials*, vol. 302, 122348, Nov. 2023, doi.org/10.1016/j.biomaterials.2023.122348
51. Costa, A., Ferreira, F., Colaux, J.L., Vahidi, A., Serra, R., and Oliveira, J., “Effect of hydrogen incorporation on the mechanical properties of DLC films deposited by HiPIMS in DOMS mode”, *Surface & Coatings Technology*, vol. 473, 129980, Nov. 2023, doi.org/10.1016/j.surfcoat.2023.129980
52. Cruces, A.S., Branco, R., Borrego, L.P., and Lopez-Crespo, P., “Energy-based critical plane fatigue methods applied to additively manufactured 18Ni300 steel”, *International Journal of Fatigue*, vol. 170, 2023, doi.org/10.1016/j.ijfatigue.2023.107548
53. Cruz, F.R., Alves, N., and Vieira, T., “Direct additive manufacturing as spring of new tool steels”, *Journal of Materials Research and Technology-JMR&T*, vol. 26, pp. 5450–5461, 2023, doi.org/10.1016/j.jmrt.2023.08.176
54. Cunha, A., Marques, A., Gasik, M., and Trindade, B., “Influence of temperature processing on the microstructure and hardness of the 420 stainless steel produced by hot pressing”, *Materials and Manufacturing Processes*, vol. 38, no. 3, pp. 333–340, 2023, doi.org/10.1080/10426914.2022.2072885
55. Cunha, A., Pinto, J., Cerqueira, M.F., Silva, F.S., Trindade, B., and Carvalho, O., “Development and production of a CNC machined 420 stainless steel reinforced with Cu by hot pressing”, *Journal of Materials Science*, vol. 58, no. 11, pp. 5048–5060, 2023, doi.org/10.1007/s10853-023-08332-7
56. Cunha, M.C., Magini, R., and Marques, J., “Multi-Objective Optimization Models for the Design of Water Distribution Networks by Exploring Scenario-Based Approaches”, *Water Resources Research*, vol. 59, no. 7, 2023, doi.org/10.1029/2023WR034867

57. Cunha, M.C., Serpa, D., Marques, J., Keizer, J.J., and Abrantes, N., "On sustainable improvements of agricultural practices in the Bairrada region (Portugal)", *Environment, Development and Sustainability*, vol. 25, no. 3, pp. 2735–2757, 2023, doi.org/10.1007/s10668-022-02155-3
58. Cunha, M.C., Tsiaras, K., Marques, J.R., Hatzonikolakis, Y., Dias, L.C., and Triantaphyllidis, G., "A multi-criteria assessment of the implementation of innovative technologies to achieve different levels of microplastics and macroplastics reduction", *Marine Pollution Bulletin*, vol. 191, 114906, Jun. 2023, doi.org/10.1016/j.marpolbul.2023.114906
59. Cunha, M.C., "Water and Environmental Systems Management Under Uncertainty: From Scenario Construction to Robust Solutions and Adaptation", *Water Resources Management*, vol. 37, no. 6–7, SI, pp. 2271–2285, 2023, doi.org/10.1007/s11269-023-03429-9
60. Bon, F., Barbosa, A., Fonseca, R.G., Fantin, M., Serra, A.C., and Coelho, J., "Large volume and oxygen tolerant photoinduced aqueous atom transfer radical polymerization", *Chemical Engineering Journal*, vol. 451, 138777, 2023, doi.org/10.1016/j.cej.2022.138777
61. Deliberador, L.R., Santos, A.B., Carrijo, P.R.S., Batalha, M.O., Cesar, A. da S., and Ferreira, L.M.D.F., "How risk perception regarding the COVID-19 pandemic affected household food waste: Evidence from Brazil", *Socio-Economic Planning Sciences*, vol. 87(A), 2023, doi.org/10.1016/j.seps.2023.101511
62. Devesa, S., Goncalves, F., and Graca, M., "Influence of the Preparation Method on the Structural, Morphological and Dielectric Properties of FeNbO₄ Ceramics", *Materials*, vol. 16, no. 8, 2023, doi.org/10.3390/ma16083202.*
63. Duarte, L., and Neto, P., "Classification of primitive manufacturing tasks from filtered event data", *Journal of Manufacturing Systems*, vol. 68, pp. 12–24, 2023, doi.org/10.1016/j.jmsy.2023.03.001
64. Elsebai, B., Ghica, M.E., Abbas, M.N., and Brett, C.M.A., "Novel Amperometric Mercury-Selective Sensor Based on Organic Chelator Ionophore", *Molecules*, vol. 28, no. 6, 2023, doi.org/10.3390/molecules28062809
65. Evaristo, M., Fernandes, F., and Cavaleiro, A., "Influence of the alloying elements on the tribological performance of DLC coatings in different sliding conditions", *Wear*, vol. 526, 204880, Aug. 2023, doi.org/10.1016/j.wear.2023.204880
66. Evaristo, M., Fernandes, F., Jeynes, C., and Cavaleiro, A., "The Influence of H Content on the Properties of a-C(W):H Coatings", *Coatings*, vol. 13, no. 1, 2023, doi.org/10.3390/coatings13010092
67. Farias, T.L.S., Lacerda Junior, J.C., Simoni, L.P. dos S., Negreiros, C.A.E., Amâncio, M. do A., Brito, W.R., and Segala, K., "New technologies and chemistry teaching: the use of kahoot as a support platform for teaching", *Observatório De La Economía Latinoamericana*, vol. 21, no. 12, pp. 26389–26404, 2023, doi.org/10.55905/oelv21n12-157.*
68. Fernandes, G., Domingues, J., Tereso, A., Mican, C., and Araujo, M., "Risk Management in University-Industry R&D Collaboration Programs: A Stakeholder Perspective", *Sustainability*, vol. 15, no. 1, 2023, doi.org/10.3390/su15010319

69. Fernandes, G., and O'Sullivan, D., "Project management practices in major university-industry R&D collaboration programs – a case study", *The Journal of Technology Transfer*, vol. 48, pp. 361–391, 2023, doi.org/10.1007/s10961-021-09915-9
70. Fernandes, J.V., Pereira, A.F.G., Antunes, J.M., Chaparro, B.M., and Sakharova, N.A., "Numerical Simulation Study of the Mechanical Behaviour of 1D and 2D Germanium Carbide and Tin Carbide Nanostructures", *Materials*, vol. 16, no. 15, 2023, doi.org/10.3390/ma16155484
71. Ferreira, L.M., Coelho, C.A.C.P., and Reis, P.N.B., "Effect of Cohesive Properties on Low-Velocity Impact Simulations of Woven Composite Shells", *Applied Sciences-Basel*, vol. 13, no. 12, 2023, doi.org/10.3390/app13126948
72. Ferreira, L.M., Coelho, C.A.C.P., and Reis, P.N.B., "Numerical predictions of intralaminar and interlaminar damage in thin composite shells subjected to impact loads", *Thin-Walled Structures*, vol. 192, 111148, Nov. 2023, doi.org/10.1016/j.tws.2023.111148
73. Ferreira, L.M.D.F., Moreira, A.C., and Silva, P., "Lean implementation in product development processes: a framework proposal", *Production Planning & Control*, May 2023, doi.org/10.1080/09537287.2023.2217429
74. Ferreira, L.M.M., Coelho, C.A.C.P., and Reis, P.N.B., "Numerical Simulations of the Low-Velocity Impact Response of Semicylindrical Woven Composite Shells", *Materials*, vol. 16, no. 9, 2023, doi.org/10.3390/ma16093442
75. Ferreira, N.S., Carneiro, L.P.T., Pinto, A.M.F.R., Sales, M.G.F., "Fuel cells operating as an immunosensor for cancer biomarker screening", *Biosensors and Bioelectronics: X*, vol. 14, 100344, 2023, doi.org/10.1016/J.BIOSX.2023.100344.*
76. Ferreira, R., Cunha, A., Carvalho, O., Trindade Bruno and Sobral, L., Carvalho, S., and Silva, F., "Design, manufacturing, and testing of a laser textured piston ring surface reinforced with a CuCoBe-diamond composite by hot-pressing", *International Journal of Advanced Manufacturing Technology*, vol. 125, no. 5–6, pp. 2349–2362, 2023, doi.org/10.1007/s00170-023-10871-x
77. Fialho, L., Costa-Barbosa, A., Sampaio, P., and Carvalho, S., "Effects of Zn-ZnO Core-Shell Nanoparticles on Antimicrobial Mechanisms and Immune Cell Activation", *ACS Applied Nano Materials*, vol. 6, no. 18, pp. 17149–17160, 2023, doi.org/10.1021/acsanm.3c03241
78. Fonseca, R.G., Hajalilou, A., Freitas, M., Kuster, A., Parvini, E., Serra, A.C., Coelho, J.F.J., Fonseca, A.C., and Tavakoli, M., "Photodegradable Non-Drying Hydrogel Substrates for Liquid Metal Based Sustainable Soft-Matter Electronics", *Advanced Materials Technologies*, Aug. 2023, doi.org/10.1002/admt.202301007
79. Frois, A., Santos, A.C., and Louro, C.S., "Corrosion of Fixed Orthodontic Appliances: Causes, Concerns, and Mitigation Strategies", *Metals*, vol. 13, no. 12, 2023, doi.org/10.3390/met13121955
80. Frutos, E., Richhariya, V., Silva, F.S., and Trindade, B., "Manufacture and mechanical-tribological assessment of diamond-reinforced Cu-based coatings for cutting/grinding tools", *Tribology International*, vol. 177, 107947, 2023, doi.org/10.1016/j.triboint.2022.107947

81. Gandarilla, A.M.D., Freire, L. de S., Ruzo, C.M., Barcelay, Y.R., and Brito, W.R., Electrochemical Biosensors as Promising Methods for Diagnosis of Covid-19-A Minireview. *Analytical Letters*, vol. 57, no. 5, pp. 812–828, 2023, doi.org/10.1080/00032719.2023.2225658.*
82. Gomes, E. da S., Lima, A.M. de O., Gavinho, S.R., Graca, M.P.F., Devesa, S., and Macedo, A.A.M., “Influence of Polymeric Blends on Bioceramics of Hydroxyapatite”, *Crystals*, vol. 13, no. 10, 2023, doi.org/10.3390/cryst13101429.*
83. Gonzales, G.L.G., Vasco-Olmo, J.M., Antunes, V.F., Neto, D.M., & Diaz, F.A., “Experimental analysis of the plastic CTOD to characterize the variable amplitude fatigue crack growth in Grade 2 titanium samples”, *International Journal of Fatigue*, vol. 174, 107728, Sep. 2023, doi.org/10.1016/j.ijfatigue.2023.107728
84. Gonzales, G.L.G., Antunes, F.V., Sergio, E.R., Vasco-Olmo, J.M., Diaz, F.A., and Neto, D.M., “A comparison between FEM predictions and DIC results of crack tip displacement field in CT specimens made of titanium”, *Theoretical and Applied Fracture Mechanics*, vol. 127, 104055, 2023, doi.org/10.1016/j.tafmec.2023.104055
85. Gonzales, G.L.G., Gonzalez, J.A.O., Antunes, F.V., Neto, D.M., and Diaz, F.A., “Experimental determination of the reversed plastic zone size around fatigue crack using digital image correlation”, *Theoretical and Applied Fracture Mechanics*, vol. 125, 103901, Jun. 2023, doi.org/10.1016/j.tafmec.2023.103901
86. Hadi, M., Rafiaei, S.M., and Fernandes, F., “The effect of Mo₂C additions on the oxidation resistance of (Ti,W)CN cermets as base material for the production of cutting tools”, *Ceramics International*, vol. 49, no. 13, pp. 21538–21545, 2023, doi.org/10.1016/j.ceramint.2023.03.288
87. Hartmann, A., and Proença, D.N., “Biological Control of Phytopathogens: Mechanisms and Applications”, *Pathogens*, vol. 12, no. 6, 783, 2023, doi.org/10.3390/pathogens12060783
88. Henriques, J., Amaro, A.M., and Piedade, A.P., “Understanding Atherosclerosis Pathophysiology: Can Additive Manufacturing Be Helpful?”, *Polymers*, vol. 15, no. 3:480, Jan. 2023, doi.org/10.3390/polym15030480
89. Hora, C.S., Tavares, A.P.M., Carneiro, L.P.T., Ivanou, D., Mendes, A.M., Sales, G.F., and Sales, M.G.F., “New autonomous and self-signaling biosensing device for sarcosine detection”, *Talanta*, vol. 257, 2023, doi.org/10.1016/j.talanta.2023.124340.*
90. Ju, H., Athmani, M., Luan, J., AL-Rjoub, A., Cavaleiro, A., Yaqub, T. bin, Chala, A., Ferreira, F., and Fernandes, F., “Insights into the oxidation resistance mechanism and tribological behaviors of multilayered TiSiN/CrV_xN hard coatings”, *International Journal of Minerals Metallurgy and Materials*, vol. 30, n° 12, pp. 2459–2468, 2023, doi.org/10.1007/s12613-023-2655-0
91. Ju, H., Huang, K., Luan, J., Geng, Y., Yang, J., and Xu, J., “Evaluation under temperature cycling of the tribological properties of Ag-SiN_x films for green tribological applications”, *Ceramics International*, vol. 49, no. 18, pp. 30115–30124, 2023, doi.org/10.1016/j.ceramint.2023.06.267
92. Ju, H., Kong, F., Xu, J., Geng, Y., Zhang, C., and Luan, J., “Influence of Ag on the microstructure, mechanical and tribological properties of SiC-Ag composite film

- deposited by the industrial DC magnetron sputtering system”, *Vacuum*, vol. 218, 2023, doi.org/10.1016/j.vacuum.2023.112672
93. Ju, H., Xu, L., Luan, J., Geng, Y., Xu, J., Yu, L., Yang, J., and Fernandes, F., “Enhancement on the hardness and oxidation resistance property of TiN/Ag composite films for high temperature applications by addition of Si”, *Vacuum*, Vol. 209, 111752, 2023, doi.org/10.1016/j.vacuum.2022.111752
 94. Ju, H., Zhou, R., Luan, J., Kumar, C.S., Yu, L., Xu, J., Yang, J., Zhang, B., and Fernandes, F., “Tribological performance under different environments of Ti-C-N composite films for marine wear-resistant parts”, *International Journal of Minerals Metallurgy and Materials*, vol. 30, no. 1, pp. 144–155, 2023, doi.org/10.1007/s12613-022-2551-z
 95. Junior, J.S.S., Mendes, J., Souza, F., and Premevida, C., “Survey on Deep Fuzzy Systems in Regression Applications: A View on Interpretability”, *International Journal Of Fuzzy Systems*, vol. 25, no. 7, pp. 2568–2589, 2023, doi.org/10.1007/s40815-023-01544-8.*
 96. Kammoun, M., Margellou, A., Toteva, V.B., Aladjadjiyan, A., Sousa, A.F., Luis, S.V., Garcia-Verdugo, E., Triantafyllidis, K.S., and Richel, A., “The key role of pretreatment for the one-step and multi-step conversions of European lignocellulosic materials into furan compounds”, *RSC Advances*, vol. 13, no. 31, pp. 21395–21420, 2023, doi.org/10.1039/D3RA01533E
 97. Katunin, A., Wachla, D., Santos, P., and Reis, P.N.B., “Fatigue life assessment of hybrid bio-composites based on self-heating temperature”, *Composite Structures*, vol. 304, 116456, 2023, doi.org/10.1016/j.compstruct.2022.116456
 98. Khalighi, S., Jalkh, J., Cruz, P.F., Brito, R.M.M., Santos, J.B., and Ferreira, A.G.M., “Influence of Pressure and Temperature in the Speed of Sound of Isobutanol plus Biodiesel Mixtures”, *Journal of Chemical and Engineering Data*, vol. 68, no. 8, pp. 1921–1939, 2023, doi.org/10.1021/acs.jced.3c00217
 99. Khan, S. A., Emami, N., and Ramalho, A., “Custom-tailored cross-cylinder tribotest to emulate wear mechanism in drilling of CFRP-Ti stacks”, *Tribology International*, vol. 186, 2023, doi.org/10.1016/j.triboint.2023.108589
 100. Khan, S.A., Oliveira, J., Ferreira, F., Emami, N., and Ramalho, A., “Surface Roughness Influence on Tribological Behavior of HiPIMS DLC Coatings”, *Tribology Transactions*, vol. 66, no. 3, pp. 565–575, 2023, doi.org/10.1080/10402004.2023.2197472
 101. Korponai, K., Szuróczki, S., Márton, Z., Szabó, A., Morais, P.V., Proença, D.N., Tóth, E., Boros, E., Márialigeti, K., and Felföldi, T., “Habitat distribution of the genus *Belliella* in continental waters and the description of *Belliella alkalica* sp. nov., *Belliella calami* sp. nov. and *Belliella filtrata* sp. nov.”, *International Journal of Systematic and Evolutionary Microbiology*, vol. 73, no. 6, 2023, doi.org/10.1099/ijsem.0.005928
 102. Kumar, C.S., Urbikain, G., de Lacalle, L.N.L., Gangopadhyay, S., and Fernandes, F., “Investigating the effect of novel self-lubricant TiSiVN films on topography, diffusion and oxidation phenomenon at the chip-tool interface during dry machining of Ti-6Al-4V alloy”, *Tribology International*, vol. 186, 2023, doi.org/10.1016/j.triboint.2023.108604

103. Kumar, C.S., Urbikain, G., Lucio, P.F. de, Lacalle, L.N.L. de, and Perez-Salinas, C., "Investigating the self-lubricating properties of novel TiSiVN coating during dry turning of Ti6Al4V alloy", *Wear*, vol. 532, 2023, doi.org/10.1016/j.wear.2023.205095
104. Leite, M.M.S., Pinto, T.M.P., and Alves, C.M.M., "Solving the integrated planning and scheduling problem using variable neighborhood search based algorithms", *Expert Systems With Applications*, vol. 228, 2023, doi.org/10.1016/j.eswa.2023.120191
105. Liang, X., Zhou, Y., Almeida, J.M.S., and Brett, C.M.A., "A novel electrochemical acetaminophen sensor based on multiwalled carbon nanotube and poly(neutral red) modified electrodes with electropolymerization in ternary deep eutectic solvents", *Journal Of Electroanalytical Chemistry*, vol. 936, 2023, doi.org/10.1016/j.jelechem.2023.117366
106. Lima, M.J., Vuchkov, T., Ferreira, F., Cavaleiro, D., Costa, A., Cavaleiro, A., and Carvalho, S., "PVD coatings on punches for low interfacial adhesion to pharmaceuticals", *Surface & Coatings Technology*, vol. 472, 2023, doi.org/10.1016/j.surfcoat.2023.129860
107. Lima, O., Fernandes, G., and Tereso, A., "Benefits of Adopting Innovation and Sustainability Practices in Project Management within the SME Context", *Sustainability*, vol. 15, no. 8, 2023, doi.org/10.3390/su151813411
108. Long, X.Y., Branco, R., Macek, W., Nejad, R.M., Lesiuk, G., Zhu, S.P., and Amaro, A.M., "Effect of austempering temperature on microstructure and cyclic deformation behaviour of multiphase low-carbon steel", *Archives of Civil and Mechanical Engineering*, vol. 23, no. 3, 2023, doi.org/10.1007/s43452-023-00735-2
109. Lopes, A., Lopes, S., and Fernandes, M., "Time Evolution of the Modulus of Elasticity of Metakaolin-Based Geopolymer", *Applied Sciences*, vol. 13, no. 4, 2179, 2023, doi.org/10.3390/app13042179
110. Lopes, A., Lopes, S., and Pinto, I., "Influence of Curing Temperature on the Strength of a Metakaolin-Based Geopolymer", *Materials*, vol. 16, no. 23, 2023, doi.org/10.3390/ma16237460
111. Lopes, A.V., and Lopes, S.M.R., "Revisiting Cracking in Reinforced Concrete Beams: An Updated Analysis", *Applied Sciences*, vol. 13, no. 6, 3926, 2023, doi.org/10.3390/app13063926
112. Lopes, A.V., Lopes, S.M.R., and Pinto, M.I.M., "Flexural stiffness and structural behavior of alkali-activated metakaolin faced with cement-based beams", *Journal of Building Engineering*, vol.76, 2023, doi.org/10.1016/j.jobbe.2023.107310
113. Lou, T., Hu, H., and Pang, M., "Effect of Tendon-Related Variables on the Behavior of Externally CFRP Prestressed Concrete Beams", *Materials*, vol. 16, no. 14, 2023, doi.org/10.3390/ma16145197
114. Ma, B., Yuan, H., He, Z., Shang, H., Hou, Y., Ju, H., Fernandes, F., Hippler, R., and Hadjadj, A., "Microstructure and Mechanical Properties of Magnetron Sputtering TiN-Ni Nanocrystalline Composite Films", *Coatings*, vol. 13, no. 11, 2023, doi.org/10.3390/coatings13111902
115. Macek, W., Branco, R., Podulka, P., Nejad, R.M., Costa, J. D., Ferreira, J.A.M., and Capela, C., "The correlation of fractal dimension to fracture surface slope for fatigue

- crack initiation analysis under bending-torsion loading in high-strength steels”, *Measurement*, vol. 218, 2023, doi.org/10.1016/j.measurement.2023.113169
116. Macek, W., Nejad, R.M., Zhu, S.-P., Trembacz, J., Branco, R., Costa, J.D.M., Ferreira, J.A. M., and Capela, C., “Effect of bending-torsion on fracture and fatigue life for 18Ni300 steel specimens produced by SLM”, *Mechanics of Materials*, vol. 178, 2023, doi.org/10.1016/j.mechmat.2023.104576
117. Macek, W., Tomczyk, A., Branco, R., Dobrzynski, M., and Seweryn, A., “Fractographical quantitative analysis of EN-AW 2024 aluminum alloy after creep pre-strain and LCF loading”, *Engineering Fracture Mechanics*, vol. 282, 2023, doi.org/10.1016/j.engfracmech.2023.109182
118. Mahadeshwara, M.R., Rosa, F., Vuchkov, T., Vilhena, L., Ramalho, A., Sharma, P., and Cavaleiro, A., “Investigating the Synergistic Effect of Electrochemical Texturing and MoSeC Coatings on the Frictional Behaviour of Lubricated Contacts”, *Coatings*, vol. 13, no. 4, 2023, doi.org/10.3390/coatings13040692
119. Malaguti, R., Lourenço, N., and Silva, C., “A supervised machine learning model for determining lubricant oil operating conditions”, *Expert Systems*, vol. 40, no. 5, 2023, doi.org/10.1111/exsy.13116
120. Manaia, M.N., and Chiorcea-Paquim, A.-M., “Cationic porphyrin TMPyP4 redox behaviour and interaction with nucleic acids: Towards a new methodology for screening porphyrin-based anticancer drugs”, *Electrochimica Acta*, vol. 462, 2023, doi.org/10.1016/j.electacta.2023.142749
121. Manaia, M.N., and Chiorcea-Paquim, A.-M., “Solid state electrochemical behaviour of porphine in aqueous media”, *Journal of Electroanalytical Chemistry*, vol. 929, 2023, doi.org/10.1016/j.jelechem.2022.117123
122. Maranhã, J., Nascimento, P.J., Silva, C., Mueller, S., and Moniz, S., “A decision-support framework for selecting additive manufacturing technologies”, *Journal of Manufacturing Technology Management*, vol. 34, no. 7, pp. 1279–1311, 2023, doi.org/10.1108/JMTM-02-2023-0047
123. Marciniak, Z., Branco, R., Martins, R.F., Macek, W., and Rozumek, D., “Non-local volumetric approach to analysis defect’s shape influence on specimens durability subjected to bending and torsion”, *International Journal of Fatigue*, vol. 167, 107317, 2023, doi.org/10.1016/j.ijfatigue.2022.107317
124. Marouvo, J., Sousa, F., André, M.A., and Castro, M.A., “Tibialis posterior muscle stiffness assessment in flat foot subjects by ultrasound based Shear-Wave Elastography”, *The Foot*, vol. 54, 101975, 2023, doi.org/10.1016/j.foot.2023.101975
125. Marouvo, J., Tavares, N., Dias, G., and Castro, M.A., “The Effect of Ice on Shoulder Proprioception in Badminton Athletes”, *European Journal of Investigation in Health Psychology and Education*, vol. 13, no. 3, pp. 671–683, 2023, doi.org/10.3390/ejihpe13030051
126. Mateus, D., Sebastiao, A.I., Frasco, M.F., Carrascal, M.A., Falcao, A., Gomes, C.M., Neves, B., Sales, M.G.F., and Cruz, M.T., “Artificial Dendritic Cells: A New Era of Promising Antitumor Immunotherapy”, *Small*, vol. 19, no. 46, 2023, doi.org/10.1002/smll.202303940.*

127. Matos, B., Salles, R., Mendes, J., Gouveia, J.R., Baptista, A.J., and Moura, P., “A Review of Energy and Sustainability KPI-Based Monitoring and Control Methodologies on WWTPs”, *Mathematics*, vol. 11, no. 1, 2023, doi.org/10.3390/math11010173.*
128. Matos, P., and Neto, P., “A 3D-printable modular robotic gripper”, *International Journal of Advanced Manufacturing Technology*, vol. 126, pp. 845–855, 2023, doi.org/10.1007/s00170-023-11114-9
129. Mendes, S., Kurapova, O., and Faia, P., “Enhancing Polyantimonic-Based Materials’ Moisture Response with Binder Content Tuning”, *Chemosensors*, vol. 11, no. 8, 2023, doi.org/10.3390/chemosensors11080423
130. Mendes, T.A., Vilhena, L., Portugal, J., Carames, J., Ramalho, A.L., and Lopes, L.P., “Wear of Titanium Implant Platforms with Different Abutment Connections and Abutment Materials: A Pilot Study”, *Journal of Functional Biomaterials*, vol. 14, no. 4, 2023, doi.org/10.3390/jfb14040178.
131. Messias, A., Karasan, D., Nicolau, P., Pjetursson, B.E., and Guerra, F., “Rehabilitation of full-arch edentulism with fixed or removable dentures retained by root-form dental implants: A systematic review of outcomes and outcome measures used in clinical research in the last 10 years”, *Journal of Clinical Periodontology*, vol. 50(S25), pp. 38–54, 2023, doi.org/10.1111/jcpe.13616
132. Moura, A., Pinto, T., Alves, C., and de Carvalho, J.V., “A Matheuristic Approach to the Integration of Three-Dimensional Bin Packing Problem and Vehicle Routing Problem with Simultaneous Delivery and Pickup”, *Mathematics*, vol. 11, no. 3, 2023, doi.org/10.3390/math11030713
133. Moutinho, J.A., Rabechini Junior, R., and Fernandes, G., “Ecosystem of a collaborative research center in project studies: A conceptual framework”, *Revista de Administração Mackenzie*, vol. 24, no. 5, pp. 1–31, 2023, doi.org/10.1590/1678-6971/eRAMR230254.en
134. Naik, G. M., Sharma, P., Anne, G., Pittala, R.K., Kumar, R., Satapathi, G.S., Kumar, C.S., and Fernandes, F., “Improvement in Corrosion Performance of ECAPed AZ80/91 Mg Alloys Using SS316 HVOF Coating”, *Materials*, vol. 16, no. 20, 2023, doi.org/10.3390/ma16206651
135. Nasri, W., Driss, Z., Djebali, R., Lee, K.-Y., Park, H.-H., Bezazi, A., and Reis, P.N.B., “Thermal Study of Carbon-Fiber-Reinforced Polymer Composites Using Multiscale Modeling”, *Materials*, vol. 16, no. 22, 2023, doi.org/10.3390/ma16227233
136. Neto, D.M., Antunes, F.V., Sérgio, E.R., Branco, R., Camacho-Reyes, A., Diaz, F., Gómez Gonzales, G.L., and Vasco-Olmo, J., “Numerical analysis of compliance and fatigue life of the CCC specimen”, *International Journal of Fatigue*, vol. 170, 107496, 2023, doi.org/10.1016/j.ijfatigue.2022.107496
137. Neto, D.M., Cavaleiro, N., Sergio, E.R., Jesus, J., Camacho-Reyes, A., and Antunes, F.V., “Effect of crack flank holes on fatigue crack growth”, *International Journal of Fatigue*, vol. 170, 2023, doi.org/10.1016/j.ijfatigue.2023.107505
138. Neto, D.M., Pedro, J., Borges, M.F., Borrego, L.F.P., Sérgio, E.R., and Antunes, F.V., “Numerical prediction of fatigue crack growth based on cumulative plastic strain versus experimental results for AA6082-T6”, *International Journal of Fracture*, vol. 240, no. 2, pp. 167–181, 2023, doi.org/10.1007/s10704-022-00680-w

139. Neto, D.M., Sergio, E.R., Jesus, F., Newman Jr, J.C.C., and Antunes, F.V., “Fatigue Crack Propagation under Christmas Tree Load Pattern”, *Applied Sciences-Basel*, vol. 13, no. 3, 2023, doi.org/10.3390/app13031284
140. Nobre, F., Trindade, J., do Nascimento, M., Souza, G., Mendes, O., Albuquerque, A., Sambrano, J., Couceiro, P., Brito, W., Ruiz, Y.L., and de Matos, J.M., “Photocatalytic Properties of PbMoO₄ Nanocrystals against Cationic and Anionic Dyes in Several Experimental Conditions”, *Colorants*, vol. 2, no. 1, pp. 111–134, 2023, doi.org/10.3390/colorants2010008.*
141. Nobre, F.X., Mendes, O.C., da Silva, A.P.J., Junior, J.L.S., do Nascimento, M.V.B., Pessoa Junior, W.A.G., Manzato, L., Brandim, A.S., Matos, J.M.E., Brito, W.R., Couceiro, P.R.C., and Leyet, Y., “Fast and efficient green synthesis of CaWO₄ NPs using eggshells as a biogenic calcium source: Structure, optical property, and morphology”, *Journal Of Photochemistry and Photobiology A-Chemistry*, vol. 439, 2023, doi.org/10.1016/j.jphotochem.2023.114589.*
142. Noura, M., Oliveira, M.C., Khalfallah, A., Alves, J.L., and Menezes, L.F., “Comparative fracture prediction study for two materials under a wide range of stress states using seven uncoupled models”, *Engineering Fracture Mechanics*, vol. 279, no. 17, 108952, Feb. 2023, <https://doi.org/10.1016/j.engfracmech.2022.108952>
143. Oliveira, A.S.R., Pereira, P., Mendonça, P.V., Fonseca, A.C., Simões, S., Serra, A.C., and Coelho, J.F.J., “Novel degradable amphiphilic 4-arm star PLA- *b*-POEOA and PLGA- *b*-POEOA block copolymers: synthesis, characterization and self-assembly”, *Polymer Chemistry*, vol. 2, 2023, 10.1039/D2PY01216B
144. Oliveira, G., Senos, A., Fernandes, C., Figueiredo, D., and Vieira, T., “Material Extrusion to Manufacture Carbide-Based Advanced Cutting Tools”, *Materials*, vol. 16, no. 21, 2023, doi.org/10.3390/ma16216902
145. Oliveira, N., Carvalho, F., Lains, J., Rasteiro, D., and Roseiro, L., “Development of a Biomechanical Device for Parameter Quantification Associated with the Sit-to-Stand Movement”, *Sensors*, vol. 23, no. 4, 2023, doi.org/10.3390/s23041837
146. Omiya, T., Fontes, M., Vuchkov, T., Cruz, S., Cavaleiro, A., and Ferreira, F., “Tribological Performance of Gd-DLC and Eu-DLC Coatings in the Presence of Synthetic Oils Containing Ionic Liquid Additives”, *Tribology Letters*, vol. 71, no. 2, 2023, doi.org/10.1007/s11249-023-01739-y
147. Parra, H.S.V., Velasco, S.C., Orjuela, J.E.A., Florez, J.J.O., and Carvalho, S., “Influence of Ag Doping on the Microstructural, Optical, and Electrical Properties of ZrSiN Coatings Deposited through Pulsed-DC Reactive Magnetron Sputtering”, *Coatings*, vol. 13, no. 7, 2023, doi.org/10.3390/coatings13071154
148. Peixoto, M.V., Costa, F.M., Devesa, S., and Graca, M.P.F., “Structural, Morphological and Dielectric Characterization of BiFeO₃ Fibers Grown by the LFZ Technique”, *Crystals*, vol. 13, no. 6, 2023, doi.org/10.3390/cryst13060960.*
149. Pereira, M.J., Dias, G., Mendes, R., Martins, F., Gomes, R., Castro, M.A., and Vaz, V., “Movement variability in Pilates: a scoping review”, *Front. Psychol., Sec. Sport Psychology*, vol. 14, 2023, doi.org/10.3389/fpsyg.2023.1195055
150. Pereira, V.A., Mendonca V.P., Branco, R., Morais V.P., Coelho, J.F.J., and Serra, A.C., “Bioactive surfaces with well-defined amphiphilic copolymers containing a natural

- terpene-based monomer”, *Progress in Organic Coatings*, vol. 183, 2023, doi.org/10.1016/j.porgcoat.2023.107791
151. Pinto, G.F., Baptista, A., Sousa, V.F.C., Silva, F.J.G., Evaristo, M., and Fernandes, F., “Study on the Wear Modes of PVD Films Using Different Concentrations of Al₂O₃ Abrasive Particles and Textured Rotating Balls”, *Coatings*, vol. 13, no. 3, 2023, doi.org/10.3390/coatings13030628
 152. Pinto, S.M.A., Ferreira, A.R.R., Daniela, S.S., Nunes, S.C.C., de Carvalho, A.L.M.B., Almeida, J.M.S., Garda, Z., Pallier, A., Pais, A.A.C.C., Brett, C.M.A., Toth, E., Marques, M. P.M., Pereira, M.M.M., and Galdes, C.F.G.C., “Fluorinated Mn(III)/(II)-Porphyrin with Redox-Responsive ¹H and ¹⁹F Relaxation Properties”, *Chemistry-A European Journal*, vol. 29, no. 53, 2023, doi.org/10.1002/chem.202301442
 153. Pinto, T.B.B., Pinto, S.M.A., Piedade, A.P.P., and Serpa, C., “Ultrathin materials for wide bandwidth laser ultrasound generation: titanium dioxide nanoparticle films with adsorbed dye”, *Nanoscale Advances*, vol. 5, no. 16, pp. 4191–4202, 2023, doi.org/10.1039/d3na00451a
 154. Pittala, R.K., Sharma, P., Anne, G., Patil, S., Varghese, V., Das, S.R., Kumar, C.S., and Fernandes, F., “Development and Mechanical Characterization of Ni-Cr Alloy Foam Using Ultrasonic-Assisted Electroplating Coating Technique”, *Coatings*, vol. 13, no. 6, 2023, doi.org/10.3390/coatings13061002
 155. Podulka, P., Macek, W., Branco, R., & Nejad, R.M., “Reduction in Errors in Roughness Evaluation with an Accurate Definition of the S-L Surface”, *Materials*, vol. 16, no. 5, 2023, doi.org/10.3390/ma16051865
 156. Podulka, P., Macek, W., Zima, B., Lesiuk, G., Branco, R., and Krolczyk, G., “Roughness evaluation of turned composite surfaces by analysis of the shape of autocorrelation function”, *Measurement*, vol. 222, 113640, 2023, doi.org/10.1016/j.measurement.2023.113640
 157. Ponte, F., Sharma, P., Figueiredo, N.M., Ferreira, J., and Carvalho, S., “Decorative Chromium Coatings on Polycarbonate Substrate for the Automotive Industry”, *Materials*, vol. 16, no. 6, 2023, doi.org/10.3390/ma16062315
 158. Queiroz, R., Cruz, T., Mendes, J., Sousa, P., and Simões, P., “Container-based Virtualization for Real-time Industrial Systems—A Systematic Review”, *ACM Computing Surveys*, vol. 56, no. 3, pp. 1–38, 2023, doi.org/10.1145/3617591.*
 159. Rajput, S.S., Upadhyay, C., Gangopadhyay, S., and Fernandes, F., “Effects of roughing, finishing, and aggressive machining conditions on the milling performance of AISI 1045 steel using TiAlN coated inserts”, *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, Mar. 2023, doi.org/10.1177/09544054231157963
 160. Rebelo, C., Castro, J.D., Alves, C.F.A., Fialho, L., and Carvalho, S., “Tracking the chemically active Zn NPs to unravel the electrochemical activity evolution of Ta₂O₅ bone-like surface”, *Surface & Coatings Technology*, vol. 467, 2023, doi.org/10.1016/j.surfcoat.2023.129702
 161. Rebelo, R.C., Ribeiro, D.C.M., Pereira, P., Bon, F., Coelho, J.F.J., and Serra, A.C., “Cellulose-based films with internal plasticization with epoxidized soybean oil”, *Cellulose*, vol. 30, no. 3, pp. 1823–1840, 2023, doi.org/10.1007/s10570-022-04997-6

162. Regadas, J.S., Gavinho, S.R., Teixeira, S.S., Jesus, J.V., Padua, A.S., Silva, J.C., Devesa, S., and Graca, M.P.F., "Influence of the Particle Size on the Electrical, Magnetic and Biological Properties of the Bioglass® Containing Iron Oxide", *Magnetochemistry*, vol. 9, no. 9, 2023, doi.org/10.3390/magnetochemistry9090209.*
163. Reis, P.N.B., Sousa, P., Ferreira, L.M., and Coelho, C.A.C.P., "Multi-impact response of semicylindrical composite laminated shells with different thicknesses", *Composite Structures*, vol. 310, 2023, doi.org/10.1016/j.compstruct.2023.116771
164. Relva, M., and Devesa, S., "Dielectric Stability of Triton X-100-Based Tissue-Mimicking Materials for Microwave Imaging", *Spectroscopy Journal*, vol. 1, no. 2, pp. 72–85, 2023, doi.org/10.3390/spectroscj1020007.*
165. Resende, S., Frasco, M.F., Freitas, P.P., and Sales, M.G.F., "Detection of serum calprotectin based on molecularly imprinted photonic hydrogels: A novel approach for IBD diagnosis", *Biosensors and Bioelectronics: X*, vol. 13, 100313, 2023, doi.org/10.1016/J.BIOSX.2023.100313.*
166. Rihab, K., Bougarech, A., Zaidi, S., Althobaiti, I.O., Abid, M., Silvestre, A.J.D., Sousa, A. F., and Abid, S., "Biobased Semi-Crystalline Polyesteramides from 2,5-Furandicarboxylic Acid and 5,5'-Isopropylidene Bis(2-furfurylamine): Synthesis toward Crystallinity and Chemical Stability", *ACS Sustainable Chemistry & Engineering*, vol. 11, no. 28, pp. 10344–10351, 2023, doi.org/10.1021/acssuschemeng.3c01301
167. Rodrigues, A.F., Tavares, A.P.M., Simões, S., Silva, R.P.F.F., Sobrino, T., Figueiredo, B. R., Sales, G., and Ferreira, L., "Engineering graphene-based electrodes for optical neural stimulation", *Nanoscale*, vol. 15, no. 2, pp. 687–706, 2023, doi.org/10.1039/D2NR05256C.*
168. Romaguera-Barcelay, Y., Figueiras, F.G., Govea-Alcaide, E., Brito, W.R., da Fonseca Filho, H.D., Gandarilla, A.M.D., Talu, S., Tavares, P.B., and de la Cruz, J.P., "Effects of Substitution and Substrate Strain on the Structure and Properties of Orthorhombic $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ ($0 \leq x \leq 0.5$) Thin Films", *Materials*, vol. 16, no. 13, 2023, doi.org/10.3390/ma16134553.*
169. Romano, A.L., and Ferreira, L.M.D.F., "How to transform sustainability practices into organizational benefits? The role of different cultural characteristics", *Operations Management Research*, vol. 16, no. 1, pp. 192–208, 2023, doi.org/10.1007/s12063-022-00287-3
170. Romano, A.L., Ferreira, L.M.D.F., and Caeiro, S.S.F.S., "Why companies adopt supply chain sustainability practices: A study of companies in Brazil", *Journal of Cleaner Production*, vol. 433, 139725, Dec. 2023, doi.org/10.1016/j.jclepro.2023.139725
171. Roque, M.I., Gomes, J., Reva, I., Valente, A.J.M., Simoes, N.E.E., Morais, P.V.V., Duraes, L., and Martins, R.C.C., "An Opinion on the Removal of Disinfection Byproducts from Drinking Water", *WATER*, vol. 15, no. 9, 2023, doi.org/10.3390/w15091724
172. Saadi, H., Khaldi, O., Larbi, T., and Benzarti, Z., "Correlations between structural, dielectric properties, and ab initio calculations in Co-doped ZnO nanoparticles: effect of Co concentration", *Applied Physics A-Materials Science & Processing*, vol. 129, no. 12, 2023, doi.org/10.1007/s00339-023-07126-7

173. Sabari, S., Andrade, D.G., Leitão, C., Simões, F., and Rodrigues, D.M., "Influence of the strain hardening behaviour on the tensile and compressive response of aluminium auxetic structures", *Composite Structures*, vol. 305, 116472, 2023, doi.org/10.1016/j.compstruct.2022.116472
174. Sadeghi, M., Omiya, T., Fernandes, F., Vilhena, L., Ramalho, A., and Ferreira, F., "Tribological Behavior of Doped DLC Coatings in the Presence of Ionic Liquid Additive under Different Lubrication Regimes", *Coatings*, vol. 13, no. 5, 2023, doi.org/10.3390/coatings13050891
175. Safeea, M., and Neto, P., "Model-based hardware in the loop control of collaborative robots: Simulink and Python based interfaces", *International Journal of Computer Integrated Manufacturing*, 2023, doi.org/10.1080/0951192X.2023.2177744
176. Sakharova, N.A., Pereira, A.F.G., and Antunes, J.M., "A Study of the Mechanical Behaviour of Boron Nitride Nanosheets Using Numerical Simulation", *Nanomaterials*, vol. 13, no. 20, 2023, doi.org/10.3390/nano13202759
177. Sakharova, N.A., Pereira, A.F.G., Antunes, J.M., Chaparro, B.M., and Fernandes, J.V., "On the Determination of Elastic Properties of Indium Nitride Nanosheets and Nanotubes by Numerical Simulation", *Metals*, vol. 13, no. 1, 2023, doi.org/10.3390/met13010073
178. Sanches, J., Ferreira, F., Fernandes, F., Cavaleiro, A., and Serra, R., "Structural, mechanical and tribological properties of WCTiN coatings produced by HiPIMS", *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, May 2023, doi.org/10.1177/09544054231174976
179. Sande, M.G.G., Ferreira, D., Rodrigues, J.L.L., Melo, L.D.R., Saragliadis, A., Linke, D., Moreira, F.T.C., Sales, M.G.F., and Rodrigues, L.R.R., "Aptasensor for the Detection of *Moraxella catarrhalis* Adhesin UspA2", *Bioengineering-Basel*, vol. 10, no. 2, 2023, doi.org/10.3390/bioengineering10020178.*
180. Santo, D., Mendonça, P.V., Serra, A.C., Coelho, J.F.J., and Faneca, H., "Targeted downregulation of MYC mediated by a highly efficient lactobionic acid-based glycoplex to enhance chemosensitivity in human hepatocellular carcinoma cells", *International Journal of Pharmaceutics*, vol. 637, 122865, 2023, doi.org/10.1016/j.ijpharm.2023.122865
181. Santos, M.J., Conceição, I.M., Petralla, L., Perdigão, F., Santos, J., Caixinha, M., Gomes, M., and Morgado, M., "Modelling of an ultrasound-based system for cataract detection and classification", *Research and Review Journal of Nondestructive Testing*, vol. 1, no. 1, 2023, doi.org/10.58286/28222.
182. Santos, M., and Santos, J., "Adhesive Single-Lap Joint Evaluation Using Ultrasound Guided Waves", *Appl. Sci.*, vol. 13, no. 11, 6523, 2023, doi.org/10.3390/app13116523
183. Santos, P., Silva, A.P., and Reis, P.N.B., "Effect of Carbon Nanofibers on the Strain Rate and Interlaminar Shear Strength of Carbon/Epoxy Composites", *Materials*, vol. 16, no. 12, 2023, doi.org/10.3390/ma16124332
184. Santos, P., Silva, A.P., and Reis, P.N.B., "Effect of carbon nanofibers on the viscoelastic response of carbon/epoxy composites", *Journal of Reinforced Plastics and Composites*, 2023, doi.org/10.1177/07316844231203787

185. Santos, P., Silva, A.P., and Reis, P.N.B., "Effect of Carbon Nanofibers on the Viscoelastic Response of Epoxy Resins", *Polymers*, vol. 15, no. 4, 2023, doi.org/10.3390/polym15040821
186. Santos, T., Ramani, M., Devesa, S., Batista, C., Franco, M., Duarte, I., Costa, L., Ferreira, N., Alves, N., and Pascoal-Faria, P., "A 3D-Printed Ceramics Innovative Firing Technique: A Numerical and Experimental Study²", *Materials*, vol. 16, no. 18, 2023, doi.org/10.3390/ma16186236.*
187. Saraiva, M., Castro, M.A., and Vilas-Boas, J.P., "Influence of cognitive and motor tasks using smartphone during gait: EMG and gait performance analysis-Dual-task study", *Human Movement Science*, vol. 89, 2023, doi.org/10.1016/j.humov.2023.103097
188. Saraiva, M., Castro, M.A., and Vilas-Boas, J.P., "Muscular and Prefrontal Cortex Activity during Dual-Task Performing in Young Adults", *European Journal of Investigation in Health Psychology and Education*, vol. 13, no. 4, pp. 736–747, 2023, doi.org/10.3390/ejihpe13040055
189. Saraiva, M., Vilas-Boas, J.P., Fernandes, O.J., and Castro, M.A., "Effects of Motor Task Difficulty on Postural Control Complexity during Dual Tasks in Young Adults: A Nonlinear Approach", *Sensors*, vol. 23, no. 2, 2023, doi.org/10.3390/s23020628
190. Sebastiao, A.I., Mateus, D., Carrascal, M.A., Sousa, C., Cortes, L., Bachmann, M.F., Carmo, A., Matos, A.M., Sales, M.G.F., and Cruz, M.T., "CuMV VLPs Containing the RBM from SARS-CoV-2 Spike Protein Drive Dendritic Cell Activation and Th1 Polarization", *Pharmaceutics*, vol. 15, no. 3, 2023, doi.org/10.3390/pharmaceutics15030825.*
191. Sergio, E.R., Antunes, F.V., Kujawski, D., and Neto, D.M., "Fatigue crack growth: Validation of the Kmax-AK approach using the GTN damage model", *International Journal of Fatigue*, vol. 176, 2023, doi.org/10.1016/j.ijfatigue.2023.107888
192. Sergio, E.R., Antunes, F.V., and Neto, D.M., "Fatigue crack growth modeling considering a hybrid propagation strategy", *Fatigue & Fracture of Engineering Materials & Structures*, vol. 46, no. 4, pp. 1613–1626, 2023, doi.org/10.1111/ffe.13950
193. Serra, G.C.G., Ferreira, J.A.M., and Reis, P.N.B., "Static and Fatigue Characterization of Adhesive T-Joints Involving Different Adherends", *Processes*, vol. 11, no. 9, 2023, doi.org/10.3390/pr11092640
194. Serra, G.C.G., Reis, P.N.B., and Ferreira, J.A.M., "Effect of cure temperature on the mechanical properties of epoxy-aluminium single lap joints", *The Journal of Adhesion*, vol. 99, no. 9, pp. 1441–1455, 2023, doi.org/10.1080/00218464.2022.2138358
195. Shaikh, S., Omiya, T., Cavaleiro, A., Vilhena, L., Ramalho, A., and Ferreira, F., "Impact of Temperature Variation on Friction Behaviour of Rare Earth-Doped Diamond-like Carbon Coatings with Ionic Liquid Lubricants", *Lubricants*, vol. 11, no. 7, 2023, doi.org/10.3390/lubricants11070302
196. Sharma, P., Fialho, L., Figueiredo, N.M., Serra, R., Cavaleiro, A., and Carvalho, S., "Antimicrobial Polymeric Surfaces Using Embedded Silver Nanoparticles", *Antibiotics-Basel*, vol. 12, no. 2, 2023, doi.org/10.3390/antibiotics12020207
197. Sharma, P., Mahadeshwara, M.R., Vilhena, L., Richhariya, V., Silva, F., Ramalho, A., Carvalho, S., and Cavaleiro, A., "Synergic effect of TMD coating on textured steel using micro-EDM", *Surface & Coatings Technology*, vol. 467, 2023, doi.org/10.1016/j.surfcoat.2023.129714

198. Sharma, P., Ponte, F., Lima, M.J., Figueiredo, N.M., Ferreira, J., and Carvalho, S., “Plasma etching of polycarbonate surfaces for improved adhesion of Cr coatings”, *Applied Surface Science*, vol. 637, 2023, doi.org/10.1016/j.apsusc.2023.157903
199. Shi, S., Pang, M., and Lou, T., “Numerical Assessment on Continuous Reinforced Normal-Strength Concrete and High-Strength Concrete Beams”, *Buildings*, vol. 13, no. 5, 2023, doi.org/10.3390/buildings13051157
200. Soares, S., Faria, I., Aires, F., Pinto, G., Sales, M. G., Correa-Duarte, M.A., Guerreiro, S.G., and Fernandes, R., “Application of Gold Nanoparticles as Radiosensitizer for Metastatic Prostate Cancer Cell Lines”, *International Journal of Molecular Sciences*, vol. 24, no. 4, 2023, doi.org/10.3390/ijms24044122.*
201. Soares, S., Pereira, C., Sousa, A.P., Oliveira, A.C., Sales, M.G., Correa-Duarte, M.A., Guerreiro, S.G., and Fernandes, R., “Metabolic Disruption of Gold Nanospheres, Nanostars and Nanorods in Human Metastatic Prostate Cancer Cells”, *Cells*, vol. 12, no. 5, 2023, doi.org/10.3390/cells12050787.*
202. Suleimenova, A., Frasco, M.F., Soares da Silva, F.A.G., Gama, M., Fortunato, E., and Sales, M.G.F., “Bacterial nanocellulose membrane as novel substrate for biomimetic structural color materials: Application to lysozyme sensing”, *Biosensors and Bioelectronics: X*, vol. 13, 100310, 2023, doi.org/10.1016/J.BIOSX.2023.100310.*
203. Svoboda, H.G., Tufaro, L.N., Leitao, C., and Rodrigues, D.M., “Dissimilar Friction Stir Lap Welding of Aluminium to Steel: Influence of Alloy Type and Sheet Thickness on Strain Distribution and Failure Location”, *Journal of Manufacturing and Materials Processing*, vol. 7, no. 6, 2023, doi.org/10.3390/jmmp7060221
204. Tafula, J.E., Justo, C.D., Moura, P., Mendes, J., and Soares, A., “Multicriteria Decision-Making Approach for Optimum Site Selection for Off-Grid Solar Photovoltaic Microgrids in Mozambique”, *Energies*, vol. 16, no. 6, 2023, doi.org/10.3390/en16062894.*
205. Teixeira, D.S.S., Aroso, R.T., Almeida, J.M.S., Brett, C.M.A., Calvete, M.J.F., Pinto, S.M. A., and Pereira, M.M., “Microwave synthesis of cationic ABAB di-imidazolyl fluorinated porphyrins and manganese complexes”, *Journal of Porphyrins and Phthalocyanines*, vol. 27, no. 1, pp. 614–626, 2023, doi.org/10.1142/S1088424623500475
206. Tereso, A., Fernandes, G., Araújo, M., Oliveira, C., Ruão, T.O.N.A., Lopes, A.I., João, N.A., and Faria, O., “An integrated project management methodology under a social perspective in industrialisation projects”, *International Journal of Project Organisation and Management*, vol. 15, no. 1, 2023, doi.org/10.1504/IJPOM.2023.129379
207. Vahidi, A., Serra, R., Ferreira, F., Cavaleiro, A., and Oliveira, J., “Assessment of thermomechanical stability of DLC films deposited by Ne-HiPIMS technology for high-temperature applications”, *Wear*, vol. 532, 2023, doi.org/10.1016/j.wear.2023.205126
208. Valvez, S., Oliveira-Santos, M., Piedade, A.P., Goncalves, L., and Amaro, A.M., “Computational Flow Dynamic Analysis in Left Atrial Appendage Thrombus Formation Risk: A Review”, *Applied Sciences-Basel*, vol. 13, no. 14, 2023, doi.org/10.3390/app13148201

209. Valvez, S., Reis, P.N.B., and Ferreira, J.A.M., “Effect of annealing treatment on mechanical properties of 3D-Printed composites”, *Journal of Materials Research and Technology-Jmr&T*, vol. 23, pp. 2101–2115, 2023, doi.org/10.1016/j.jmrt.2023.01.097
210. Vaz, L.M., Branco, R., Morais, P.V., and Guiomar, A.J., “Sterilized Polyhexanide-Releasing Chitosan Membranes with Potential for Use in Antimicrobial Wound Dressings”, *Membranes*, vol. 13, no. 11, 877, 2023, doi.org/10.3390/membranes13110877
211. Vicente, D., Proença, D.N., and Morais, P.V., “The Role of Bacterial Polyhydroalkanoate (PHA) in a Sustainable Future: A Review on the Biological Diversity”, *International Journal of Environmental Research and Public Health*, vol. 20, no. 4, 2959, 2023, doi.org/10.3390/ijerph20042959
212. Vidinha, H., Branco, R., Amaro, A.M., Neto, M.A., Reis, P.N.B., and Costa, J.D.M., “Monotonic and fatigue behaviour of notched glass fibre-reinforced polymer laminates immersed in seawater”, *Theoretical and Applied Fracture Mechanics*, vol. 126, 2023, doi.org/10.1016/j.tafmec.2023.103977
213. Vilhena, L., Afonso, L., and Ramalho, A., “Skin Friction: Mechanical and Tribological Characterization of Different Papers Used in Everyday Life”, *Materials*, vol. 16, no. 16, 2023, doi.org/10.3390/ma16165724
214. Vilhena, L., and Ramalho, A., “Assessment of friction in aged soft contact lenses by an innovative method”, *Journal of the Mechanical Behavior of Biomedical Materials*, vol. 145, 2023, doi.org/10.1016/j.jmbbm.2023.106036
215. Zaidi, S., Bougarech, A., Abid, M., Abid, S., Silvestre, A.J.D., and Sousa, A.F.F., “Highly Flexible Poly(1,12-dodecylene 5,5' -isopropylidene-bis(ethyl 2-furoate)): A Promising Biobased Polyester Derived from a Renewable Cost-Effective Bisfuranic Precursor and a Long-Chain Aliphatic Spacer”, *Molecules*, vol. 28, no. 10, 2023, doi.org/10.3390/molecules28104124
216. Zouleh, R.S., Rahimnejad, M., Najafpour-Darzi, G., Sabour, D., Almeida, J.M.S., and Brett, C.M.A., “A catalase enzyme biosensor for hydrogen peroxide at a poly(safranin T)-ternary deep eutectic solvent and carbon nanotube modified electrode”, *Microchemical Journal*, vol. 195, 2023, doi.org/10.1016/j.microc.2023.109475

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Papers in National Journals

1. A. Messias, M. Estrela, P. Couto, P. Sá-Couto, and M. Ramos, Physicians' perceptions of psychosocial factors and coping strategies in their ability to work: a multivariate analysis, *Journal of Statistics on Health Decision*, 2023, 5(2), e31600. <https://doi.org/10.34624/jshd.v5i2.31600>
2. A. Sanches, S. Leite, A. Nunes, M. Caixinha, P. Monteiro, and A. Nunes, Adaptação do Questionário Standardized Patient Evaluation of Eye Dryness para Português (SPEED-Vp) numa População Não Clínica, *Acta Médica Portuguesa*, 2023. <https://actamedicaportuguesa.com/revista/index.php/amp/article/view/18557>

Conferences

Attendance to International Conference with Presentation

1. A.A. Correia, A. Cerejeira, F.G. Branco, I. Torres, G. Matias, J. Vieira, P.V. Morais, A.P. Chung, M. Aniceto, M. Peixoto, and J. Rodrigues, Effect of adding cutting limestone waste in mortars, *Wastes 2023 - 6th International Conference*, Coimbra, Portugal, 6-8 September 2023
2. A. Baptista, G. Pinto, V. Sousa, R. Campilho, and F. Fernandes, Studying the machining performance of DSS steel using single and multilayered TiAlSiN coated tools deposited by HiPIMS, *32nd International Conference on Flexible Automation and Intelligente Manufacturing - FAIM 2023*, Porto, Portugal, 18-22 June 2023
3. A. Cavaleiro, Coatings and self adaption, a solution for low friction in mechanical contacts, *Indo-European Conference on Advanced Manufacturing and Materials Processing*, Kerele, India, 6-8 February 2023
4. A. Cavaleiro, Self adaption: a solution for solid low friction with sputtered coatings, *4th ACT - African Conference on Tribology*, Yamoussoucro, Ivory Coast, 24-27 April 2023
5. A. Cavaleiro, Sputtering as a Versatile Technique for the Production of Nanomaterials for Diverse Applications, *IEEE NAP-2023*, Bratislava, Slovakia, 10-15 September 2023
6. A. Cavaleiro, Sputtering, a bottom-up approach for developing protective coatings, *19th APCCC - Asian Pacific Corrosion Control Conference*, Guangzhou, China, 16-18 November 2023
7. A. Cavaleiro, Sputtering: a nanotechnology for tailoring nanomaterials, *Materiais 2023*, Guimarães, Portugal, 3-6 April 2023
8. A. Dias, A.R. Cardoso, and M.G.F. Sales, Development of a novel and sustainable substrate for miRNA detection, *OC09, XXV Meeting of the Portuguese Electrochemical Society*, Coimbra, Portugal, 30 August - 1 September 2023*

9. A. Fróis, A. Santos, C. Louro, a-C:H(:N) coatings for orthodontic applications: mechanical properties, corrosion resistance and in vitro biocompatibility, FEMS EUROMAT 2023, Frankfurt, Germany, 3-7 September 2023
10. A. Fróis, A. Santos, D. Ferreira, and C. Louro, Biocompatibility evaluation of carbon-based coatings: boron doping effect, FEMS EUROMAT 2023, Frankfurt, Germany, 3-7 September 2023
11. A. Fróis, R. Francisco, P.V. Morais, and C.S. Louro, Bacterial adhesion on sputter-deposited a-C:H:N coatings for Orthodontics, Lisbon, Portugal, 7 July 2023
12. A.M. Chiorcea-Paquim, Comportamentul redox al porfirinei cationice TMPyP4 și interacțiunea ei cu acizii nucleici: O nouă metodologie pentru testarea medicamentelor anticancerigene pe bază de porfirine, Smart Diaspora 2023 - Noi frontiere și provocări ale abordărilor transdisciplinare - Analiza și Controlul Dinamicii Sistemelor Celulare, Timișoara, Romania, 10-13 April 2023
13. A.M. Chiorcea-Paquim, and M.N. Manaia, TMPyP4 redox behaviour and interaction with nucleic acids: Towards a new methodology for screening porphyrin-based anticancer drugs, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August -1 September 2023
14. A.M. Sousa, A.M. Amaro, and A.P. Piedade, Finite Element Analysis of Different Stent Designs and Thicknesses using 3D-Printed PLA and PCL, XXI Congresso da Sociedade Portuguesa de Materiais – MATERIAIS 2023, XII International Materials Symposium, Guimarães, Portugal, 3-6 April 2023
15. A. Naseer, M. Evaristo, S. Carvalho, M. Kalin, and A. Cavaleiro, An Insight Into Improved Mechanical and Thermal Stability of a-C:H:Si:O Coatings, E-MRS 2023, Strasbourg, France, 29 May - 2 June 2023
16. A. Naseer, M. Evaristo, S. Carvalho, M. Kalin, and A. Cavaleiro, An insight into improved mechanical and thermal stability of a-C:H:Si:O coatings, ICMCTF 2023, San Diego, USA, 21-26 May 2023
17. A. Naseer, M. Evaristo, S. Carvalho, M. Kalin, and A. Cavaleiro, Optimization of doping content for sputtered a-C:H:Si:O coatings, ICMCTF 2023, San Diego, USA, 21-26 May 2023
18. A.P. Chung, and P.V. Morais, Biopolymers produced by bacteria as sustainable biotools for metal removal, Microbiotec'23 - Congress of Microbiology and Biotechnology, Covilhã, Portugal, 7-9 December 2023
19. A.P. Chung, R. Francisco, A.P. Piedade, and P.V. Morais, Bacterial biopolymers sorbents for metal removal, FEMS 2023, Hamburg, Germany, 9-13 July 2023
20. A.P. Piedade, Defects on Components Produced by Additive Manufacturing: Problem or Opportunity?, 4D Materials Design and Additive Manufacturing Conference 2023 (4DMDA2023), Georgia, USA, 7-8 September 2023
21. A.P. Piedade, Taking advantage of the defects of 3D printed components: the metallic ion removal capacity example, 16th International Conference on Advanced Computational Engineering and Experimenting (ACEX2023), Crete, Greece, 3-7 July 2023

22. A.R. Cardoso, and M.G.F. Sales, Biographene for electrochemical applications, OC43, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
23. A. Romeiro, H. Costa, J.F.J. Coelho, and A.C. Serra, Increasing the gas barrier properties of recycled PA/PE films, Milan Polymer Days – MIPOL2023, Milan, Italy, 7-9 June 2023
24. A. Romeiro, H. Costa, J.F.J. Coelho, and A.C. Serra, Developments in the Recycling of PE/PA Multilayer Films, 14th Advanced Polymers via Macromolecular Engineering (APME), Paris, France, 23-27 April
25. A.S. Ramos, F.R. Cruz, M. Silva, A.J. Cavaleiro, S. Simões, F. Viana, M. Vieira, and M.T. Vieira, A review on the use of reactive multilayer thin films to enhance the diffusion bonding process of similar and dissimilar materials, FEMS Euromat23 – Materials Science and Technology in Europe, Frankfurt, Germany, 3-7 September 2023
26. A. Sousa, Synthesis and end-of-life tailoring of furan-based polymers: how to target sustainable polymers!, GREEN-MAP Bio-based polymers at the forefront of innovation in materials science, Bertinoro, Italy, 12-14 April 2023
27. A. Suleimenova, A.R. Cardoso, F.T.C. Moreira, M.F. Frasco, and M.G.F. Sales, Simple and low-cost probe-free electrochemical biosensor for monitoring microRNA-21-5p, ACS Fall 2023 - Harnessing the Power of Data, San Francisco, USA, 13-17 August 2023 *
28. A. Suleimenova, D.M.Y. Tay, M.F. Frasco, M.G.F. Sales, and H.D. Sikes, Comparative study of the performance of plastic antibodies with thermostable engineered affinity proteins for biosensing applications, ACS Fall 2023 - Harnessing the Power of Data, San Francisco, USA, 13-17 August 2023 *
29. A. Vahidi, R. Serra, A. Cavaleiro, and J. Oliveira, Carbon hybridization states quantification by EELS and NEXAFS in hard DLC films deposited by HiPIMS-DOMS, HiPIMS 2023 - 13th International Conference on Fundamentals and Industrial Applications of HIPIMS 2023, Venlo, The Netherlands, 14-15 June 2023
30. A.M. Oliveira-Brett, A.M. Chiorcea-Paquim, S.C. Oliveira, V.C. Diclescu, and W.B.S. Machini, In situ anticancer monoclonal antibodies-DNA electrochemical biosensor interaction, 49th IUPAC World Chemistry Congress and 11th Chains, The Hague, Netherlands, 18-25 August 2023
31. A.M. Oliveira-Brett, Bioelectrochemical Sensing of Biomolecules Oxidative Damage, International Conference of the Indian Society for Electroanalytical Chemistry (ISEAC), on Electrochemistry in Industry, Health and Environments (EIHE 2023), Mumbai, India, 7-11 February 2023
32. A.M. Oliveira-Brett, W.B.S. Machini, and A.-M. Chiorcea-Paquim, AFM and Voltammetric Characterization of Amyloid- β Peptides, 74th Annual Meeting of the International Society of Electrochemistry, Lyon, France, 3 - 8 September 2023
33. B. Agostinho, and A. Sousa, From PEF to rPEF: disclosing the potential of DES in continuous de-/re-polymerization recycling, #RSCPoster Twitter conference 2023, United Kingdom, 28 February 2023

34. B. Alves, D. Gatões, P. Soares, L. Rodrigues, and T. Vieira, Material Extrusion: Shaping and Sintering Optimization Through Microtomography, Euro PM2023, 1-4 October 2023
35. B. Castanheira, A.R. Cardoso, and M.G.F. Sales, Immunosensor for alpha-synuclein detection in Parkinson's disease in real samples, OC11, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
36. B. Rito, R. Francisco, C. Coimbra, R. Branco and P.V. Morais, Effect of growth conditions on *Ochrobactrum tritici* 5bvl1 strain Rare Earth Elements immobilization capacity, FEMS2023, Hamburg, Germany, 9-13 July 2023
37. C. Coelho, A.R. Cardoso, and M.G.F. Sales, A novel electrochemical biosensor for monitoring extracellular vesicles from the brain, OC15, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
38. C. Coimbra, R. Branco, and P.V. Morais, Heterologous expression of a lanm homologous, from strain *Mesorhizobium qingshengii* J19, involved in yttrium immobilization. MicroBiotec'23, Covilhã, Portugal, 7-9 December 2023
39. C. Coimbra, R. Branco, and P.V. Morais, Whole-genome transcriptional analysis of yttrium stress in strain *Mesorhizobium qingshengii* J19, FEMS2023, Hamburg, Germany, 9-13 July 2023
40. C. Leitão, R.M. Leal, and I. Galvão, Producing metal/polymer joints by FDM 3d-printing - a feasibility study, 20th International Conference on Experimental Mechanics (ICEM20), Porto, Portugal, 2-7 July 2023
41. C. Leitão, R.M. Leal, M.A.R. Pereira, L.F. Essacalalo, and I. Galvão, Development of a Joint Concept for Producing Dissimilar Joints Using a 3D Printing-Supported Technique, 11th Asia Conference on Mechanical and Materials Engineering (ACMME 2023), Sapporo, Japan, 8-11 June 2023
42. C.M. Amaro, M.A. Castro, R. Mendes, and B. Gomes, Comportamento Visual no Lançamento de Basquetebol com Oposição, XIX Congresso de Ciências do Desporto e Educação Física dos Países de Língua Portuguesa, Coimbra, Portugal, 26-28 January 2023
43. C.M. Amaro, M.A. Castro, R. Mendes, and B. Gomes, Efeito de Diferentes Alturas e Distâncias de Oposição na Eficácia do Lançamento de Basquetebol, XIX Congresso de Ciências do Desporto e Educação Física dos Países de Língua Portuguesa, Coimbra, Portugal, 26-28 January 2023
44. C.M.A. Brett, J.M.S. Almeida, L. Abad-Gil, X. Liang, and Y. Zhou, Exploring Ternary Deep Eutectic Solvents for Preparation of Polymer Modified Electrodes and Enhanced Sensor Performance, 74th Annual Meeting of the International Society of Electrochemistry, Lyon, France, 3-8 September 2023
45. C.M.A. Brett, Modified electrodes with electroactive redox polymers and nanomaterials for sensor and biosensor platforms, Conference on Electrochemistry in Industry, Health and Environment – 2023 (EIHE-2023), Mumbai, India, 7-11 February 2023

46. C.M.R. Abreu, T.C. Rezende, A.C. Serra, A.C. Fonseca, R. Braslau, and J.F.J. Coelho, Versatile and industrializable approaches for internal plasticization of poly(vinyl chloride), 7th International Symposium Frontiers in Polymer Science, Gothenburg, Sweden, 29 May -1 June 2023
47. C.M.R. Abreu, T.C. Rezende, A.C. Serra, and J.F.J. Coelho, New synthetic routes towards high performance poly(vinyl chloride) based materials, 7th International Symposium Frontiers in Polymer Science, Gothenburg, Sweden, 29 May -1 June 2023
48. C.M.R. Abreu, T.C. Rezende, A.C. Serra, and J.F.J. Coelho, Reversible deactivation radical polymerization of vinyl chloride: from fundamental studies to high performance PVC materials, XXI Congresso da Sociedade Portuguesa de Materiais – MATERIAIS 2023 and XII International Materials Symposium, Guimarães, Portugal, 3 - 6 April 2023
49. C.T. Paula, I. Escobar, F. Cerejo, P. Pereira, A. Serra, A. Fonseca, and J.F. Coelho, Bioprinting of nerve guide tubes using DLP technology, CELLINK Partnership Conference, Portsmouth, 25-27 October 2023
50. D. Cavaleiro, and F. Fernandes, The morphology effect on the Diffusion of Ag Inside Hard Coatings, IECAdvaMAP-2023 - Indo-European Conference on Advanced Manufacturing and Materials Processing, Kerala, India, 6-8 February 2023
51. D. Gatões, L. Cacho, and T. Vieira, MicroCT Non-destructive Testing Of Additively Manufactured 3Dobjects As Support For True Sustainability, Euro PM2023, 1-4 October 2023
52. D.G. Pinto, A.P.B.M. Amaro, and L.F.A. Bernardo, A Review On Biopolymeric Matrices Used In The Manufacturing Of Eco-Friendly Composites With Banana Fibers From The Pseudostem For Construction Industry, CEES 2023 – 2nd International Conference on Construction, Energy, Environment and Sustainability, Funchal, Portugal, June 27 - 30, 2023
53. D.G. Pinto, A.P.B.M. Amaro, and L.F.A. Bernardo, A review on biopolymeric matrices (plasticized starch matrices) used in the manufacturing of composites with banana fibers from the pseudostem for the biomedical field, ICNF2023 – 6th International Conference on Natural Fibers, Funchal, Portugal, 19-21 June 2023
54. D. Neves, M.G.F. Sales, and M.F. Frasco, Biomimetic hydrogel for optical sensing of extracellular vesicles, I International Meeting Molecules 4 Life, Vila Real, Portugal, 20-22 September 2023*
55. F. Fernandes, D. Cavaleiro, F. Silva, V. Sousa, and A. Cavaleiro, Drilling performance of WC drills coated with self-lubrificant TiSiN(Ag) coatings deposited by HiPIMS, 24th International conference on Wear of Materials, Banff, Alberta, Canada, 16-20 April 2023
56. F. Fernandes, M. Evaristo, D. Cavaleiro, and A. Cavaleiro, Promising solution to efficiently machine aerospace alloys in the absence of liquid lubrication, IECAdvaMAP-2023, Indo-European conference of Advanced manufacturing and materials processing, Kerala, India, 6-8 February 2023

57. F.G. Branco, A.A. Correia, A. Cerejeira, M. Aniceto, P.V. Morais, A.P. Chung, M. Peixoto, J. Rodrigues, G. Matias, I. Torres, and J. Vieira, Mechanical Performance of Mortars with Incorporation of Stone Cutting Sludge, CEES 2023 - 2nd International Conference on Construction, Energy, Environment & Sustainability, Funchal, Portugal, 27-30 June 2023
58. F. Ponte, P. Sharma, N. Miguel Figueiredo, J. Ferreira, and S. Carvalho, Metallic Chromium Coatings with Different Thicknesses on Polycarbonate Surface, ICMCTF 2023, California, USA, 21-26 May 2023
59. F. Ponte, P. Sharma, N. Miguel Figueiredo, J. Ferreira, and S. Carvalho, Decorative Metallized Polymer Surfaces for Automotive Industry, FEMS EUROMAT 23, Frankfurt, Germany, 3-7 September 2023
60. F. Silvianti, and A. Sousa, Enzymatic synthesis of furanic-aliphatic polyesters: isomeric substitution effects, DUTCH POLYMER DAYS - 2023, Lunteren, Netherlands 24-25 April 2023
61. F.R. Simões, T.A. de Araújo, M.A. Cardoso, and C.M.A. Brett, Screen-printed electrodes based on paper substrate and a conductive ink of graphite with chitosan resin obtained from shrimp shells, 74th Annual Meeting of the International Society of Electrochemistry, Lyon, France, 3-8 September 2023
62. G. Oliveira, R. Mineiro, A.M.R. Senos, C. Fernandes, D. Figueiredo, and T. Vieira, WC-Co Versus TiCN/WC-Co, Ni For Internal Cooling Cutting Tools, Euro PM2023, 1-4 October 2023
63. G.P. Cipriano, G. Monteiro, D.F.O. Braga, H. Lopes, J. Jesus, L.P. Borrego, and P.M.G. Moreira, Effect of post-production heat treatment on SLM produced AlSi10Mg components tested at high strain rates, 5th International Conference on Structural Integrity, ICSI 2023, Madeira, Portugal, 28 August - 1 September 2023
64. H. Ju, The tribo-behaviors of the nitride based coatings containing soft metals, 2023 International Conference on Advanced Materials and Forming Intelligent Manufacturing Technology of China, Shenyang, China, 8 September 2023
65. H. Ju, Design of Self lubricating Coating for Extended Life and Study on Friction and Wear Performance Based on Capsule Release, 3rd International Conference on Advanced Materials, Manufacturing Processes, and Equipment, Zhenjiang, China, 13-17 October 2023
66. H. Ju, The design and deposition of the self-lubricant films for green tribological applications, 6th Forum of Materials Genome Engineering, Hangzhou, China, 16 February 2023
67. H. Ju, The design and deposition of the self-lubricant films for green tribological applications, Seminar on High Temperature Corrosion and Protection of Materials of China, Weifang, China, 17 May 2023
68. H. Ju, The design and deposition of the self-lubricant films for green tribological applications, The 14th Academic Annual Conference of China Nonferrous Metals Society, Shenyang, China, 28-30 July 2023

69. H. Vidinha, R. Branco, M.A. Neto, A.M. Amaro, P. Reis, and J.D. Costa, The Influence of Seawater immersion on Fatigue Strength of GFRP Composites with Through-Holes, (IRAS 2023), Belgrade, Serbia, 2-4 April 2023
70. I. Alves, O. Fernandes, M.A. Castro, S. Tavares, and C.D. Pereira, Obesity and Abdominal fat in adults with achondroplasia, 3rd International Congress of Food and Nutrition, 11-12 May 2023
71. I. Alves, O. Fernandes, M.A. Castro, and S. Tavares, Physical capacity in young, mature, and middle-aged adults with achondroplasia, 3rd International Conference Age.Comm, 16-18 November 2023
72. I. Galvão, R.M. Leal, and C. Leitão, Analysis of the bonding interface in FSSW of stainless steel-based dissimilar systems, Workshop on friction stir based processes, Louvain-la-Neuve, Belgium, 4-5 December 2023
73. I. Galvão, R.M. Leal, M.A.R. Pereira, C. Leitão, and J.D. Costa, Feasibility of magnesium t-joints by friction stir welding, 20th International Conference on Experimental Mechanics (ICEM20), Porto, Portugal, 2-7 July 2023
74. J. Almeida, R. Macedo, A. da Cunha, C. Toloza, and R. Aucelio, Trifloxystrobin Fungicide Quantification in Natural Waters and in Soy Grape Juice Using High-Performance Liquid Chromatography After Photoderivatization, SETAC Latin American 15th Biennial Meeting, Montevideo, Uruguay, 1-20 September 2023
75. J. Alves, P. Sousa, B. Matos, J. Mendes, F. Souza, and T. Matias, Modular Cyber-Physical System for Smart Industry: a Case Study on Energy Load Disaggregation, The 7th International Conference on Control, Automation and Diagnosis (ICCAD 2023), Rome, Italy, 10-22 May 2023*
76. J. Alves, R. Romaguera-Barcelay, W.R. Brito, J.F.J. Coelho, A. Mendes, and M.G.F. Sales, Rational design of inorganic phosphate materials for high-performance sodium-ion batteries, OC30, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
77. J.B. Caldeira, A.A. Correia, R. Branco, and P.V. Morais, Effect of biopolymer stabilization in mine residue previously biotreated, FEMS2023, Hamburg, Germany, 9-13 July 2023
78. J.B. Caldeira, R. Branco, and P.V. Morais, Bacterial interactions with vanadium: insights of tolerance and resistance mechanisms, MicroBiotec'23, Covilhã, 7-9 December 2023
79. J. Barbosa, W.R. Brito, and M.G.F. Sales, Designing a molecularly imprinted polymer for sensing neuronal extracellular vesicles, OC39, XXV Meeting of the Portuguese Electrochemical Society, Universidade de Coimbra, 30 August - 1 September 2023*
80. J. Castro, M. Lima, I. Carvalho, M. Henriques, and S. Carvalho, Multifunctional coatings for maritime applications, FEMS EUROMAT 2023, Frankfurt am Main, Germany, 3-7 September 2023

81. J. Leiria, R. Salles, J. Mendes, and P. Sousa, Soft Sensors for Industrial Applications: Comparison of Variables Selection Methods and Regression Models, The 7th International Conference on Control, Automation and Diagnosis (ICCAD 2023), Rome, Italy, 10-22 May 2023*
82. J. Rocha, R. Moreira, R.C. Rebelo, J.F.J. Coelho, J. Gomes, M. Delgado, and A.C. Serra, Flexible films of regenerated cellulose and glycerol, Milan Polymer Days – MIPOL2023, Milan, Italy, 7-9 June 2023
83. J.S.S. Júnior, J. Mendes, F. Souza, and C. Premebida, Hybrid LSTM-Fuzzy System to Model a Sulfur Recovery Unit, In Proc. of The 20th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2023), Rome, Italy, 13-15 November 2023*
84. J.C. Oliveira, S. Adebayo, and R. Serra, Neon enhanced plasma ionization in Cr films deposition by HiPIMS-DOMS, PLATHINIOM - Plasma thin film international union meeting, Antibes, France, 11-15 September 2023
85. J.P. Brito, M.C. Oliveira, and J.L. Alves, A more general orthotropic strain-rate potential based on the linear transformation method, ICTP 2023, 14th International Conference on the Technology of Plasticity - Current Trends in the Technology of Plasticity, Mandelieu-La Napoule, France, 24-29 September 2023
86. J.R. Martins, M.G.F. Sales, and M.F. Frasco, Protein-based photonic hydrogel for sensing microRNAs, I International Meeting Molecules 4 Life, Vila Real, Portugal, 20-22 September 2023*
87. L. Matos, B. Rito, D. Margato, A.P. Chung, R. Francisco, and P.V. Morais, Platinum Group Metals recovery by modified bacterial polymers, FEMS2023. CCH - Congress Center Hamburg, Hamburg, Germany, 9-13 July 2023
88. L. Matos, D.N. Proença, R. Francisco, A.P. Chung, L. Maccario, S.J. Sørensen, and P.V. Morais, Two novel Flavobacterium species isolated from alkaline magnesite residues, Microbiotec'23 – congress of microbiology and biotechnology 2023, Covilhã, Portugal, 7-9 December 2023
89. L. Roseiro, As novas tecnologias ao serviço do desporto - exemplos em desporto adaptado, XIX Congresso de Ciências do Desporto e Educação Física dos Países de Língua Portuguesa, Coimbra, Portugal, 26-28 January 2023
90. L. Roseiro, Bedridden Patients with Prolonged Immobility - Inside Sustainability, IMASCONGRESS 2023 Spring, Kocaeli, Turkey, 9-10 June 2023
91. L. Roseiro, T. Ribeiro, M. Silva, F. Santos, A. André, R. Durães, W. Xavier, A. Cruz, and C. Malça, Development of a Biomechanical System for Rehabilitation Purposes of Bedridden Patients with Prolonged Immobility - Prototype and Preliminary Results, World CIST2023, Pisa, Italy, 4 - 6 April 2023
92. L. Roseiro, The structural behavior of biomechanical devices as a patient assessment and motivation tool, IMASCONGRESS 2023 Autumn, Kocaeli, Turkey, 15-16 December 2023

93. M.A. Castro, Digital tools in the clinical assessment of movement and posture, 1st International Conference of Therapeutic Exercise Variability to longevity, Oliveira de Azeméis, Portugal, 19 May 2023
94. M.A. Castro, Sistemas de Avaliação do Movimento Humano, IV Jornadas Internacionais dos Estudantes de Fisioterapia - Movimento Humano: da Teoria à Prática, Vila Nova de Gaia, Portugal, 15 June 2023
95. M.A. Neto, V. Trachenko, M.F. Paulino, and A. Messias, Influence of the Material and the preparation cavity in the Mechanical Resistance of Restorations with Partial Dental Coverage, International Conference on Materials Science, Engineering & Technology, Singapore, 10-12 September 2023
96. M.A.R. Pereira, I. Galvão, R.M. Leal, J.D. Costa, and A.M. Amaro, Friction stir welding of acrylonitrile butadiene styrene: a study on welding parameters, Experimental Mechanics in Engineering and Biomechanics - ICEM20 20th International Conference on Experimental Mechanics, Porto, Portugal, 2-7 July 2023
97. M.A. Rodrigues-Ferreira, A. Vences Brito, F. Romero, N. Loureiro, W. Cynarski, and M.A. Castro, Sport injuries in Portuguese female soccer players, 2nd International Congress Research Trends in Quality of Life, Leiria, Portugal, 23- 24 February 2023
98. M. Aguiar, and A. Sousa, Advances in plastic waste recycling: Evaluating the role of additives in laccase-mediated degradation of HDPE, International workshop on sustainable chemistry, Cartagena, Spain, 8-11 May 2023
99. M. Aguiar, and A. Sousa, Valorization of plastic waste: enzymatic depolymerization of pre-treated colourless HDPE, #RSCPoster Twitter conference 2023, United Kingdom, 28 February 2023
100. M. Noura, M.C. Oliveira, A. Khalfallah, D.M. Neto, J.L. Alves, and L.F. Menezes, The Role of the Yield Criterion on Stress and Strain Paths Under Non-proportional Loadings, 14th International Conference on the Technology of Plasticity - Current Trends in the Technology of Plasticity, ICTP 2023, Mandelieu, France, 24-29 September 2023
101. M.C. Oliveira, C. Gomes, D.M. Neto, J.L. Alves, and L.F. Menezes, Influence of process and material parameters on the twist springback prediction of a panel, IDDRG 2023, 42nd Conference of the International Deep Drawing Research Group, Lulea, Sweden, 19-22 June 2023
102. M.C. Oliveira, O. Cazacu, B. Revil-Baudard, D.M. Neto, P. Frohn-Sörensen, J. Ma, W. Liu, D.J. Cruz, A.D. Santos, A. Van Bael, H. Ghiabakloo, and A. Habraken, ESAFORM 2021 cup drawing benchmark of an Al alloy: critical follow up analysis of its potentials, ESAFORM 2023, 26th ESAFORM Conference on Material Forming, Krakow, Poland, 19-21 April 2023
103. M. Evaristo, F. Fernandes, and A. Cavaleiro, Influence of the alloying element on the tribological performance of DLC coatings in different sliding conditions, 24th International Conference on Wear of Materials, Banff, Alberta, Canada, 16-20 April 2023

104. M. Evaristo, F. Fernandes, T. Vuchkov, and A. Cavaleiro, Transition Metal Dichalcogenides (TMD) a low friction thin film from fundamental scientific research to its application in different types of applications, 17th European Congress and Exhibition on Advanced Materials and Processes - FEMS EUROMAT 2023, Frankfurt am Main, Germany, 3-7 September 2023
105. M. Fontes, S. Cruz, A. Cavaleiro, and F. Ferreira, Comparison of mechanical and tribological properties of diamond-like carbon coatings doped with Europium and Gadolinium produced by HiPIMS, Wear of Materials 2023, Banff, Canada, 16-20 April 2023
106. M.G.F. Sales, Autonomous electrochemical biosensors, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
107. M. Godinho, A.R. Cardoso, and M.G.F. Sales, Development of an electrochemical biosensor for detection of miRNA26a-5p in real samples, OC41, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
108. M. Reis, G. Brotas, T. Filipe, A.C. Serra, J.F.J. Coelho, and A.C. Fonseca, Development of new compatibilizers with controlled structure for incorporation on polyethylene/polypropylene recycled blends, APME'23- Advanced Polymers via Macromolecular Engineering 2023, Paris, France, 23-27 April 2023
109. M. Santos, E.C. Seiya, P. Carvalhais, and L. Roseiro, Development of a Biomechanical Device to Support the Fixation and Adjustment for Chevron Osteotomy, ICCB 2023 - X International Conference on Computational Bioengineering, Vienna, Austria, 20-22 September 2023
110. M. Saraiva, B. Santos, N. Tavares, and M.A. Castro, Effects of music on muscle strength production in the elderly, 3^o Congresso Internacional AGE.COMM, Castelo Branco, Portugal, 16-18 November 2023
111. M. Saraiva, J.P. Vilas-Boas, and M.A. Castro, Approximate entropy analysis in postural control during smartphone use in young adults with different sleep quality, 3rd International congress of health and well-being intervention, Viseu, Portugal, 25-27 May 2023
112. M.E. Ghica, W. da Silva, and C.M.A. Brett, Design of novel nanostructured biosensing platforms based on poly(phenazine)-deep eutectic solvent electroactive films, First International Workshop on Biosensors and their Biomedical Diagnosis, Zewail City of Science and Technology, Cairo, Egypt, 20 June 2023
113. M.E. Ghica, W. da Silva, and C.M.A. Brett, Electrochemistry: a powerful tool for synthesis and characterization of nanomaterials, CCT-2023, Chemistry and Chemical Technology, Vilnius, Lithuania, 10 March 2023
114. M.E. Ghica, W. da Silva, N. Ben Messaoud, and C.M.A. Brett, Novel (bio)sensing platforms based on nanostructured electrode materials, Smart Diaspora 2023- Diaspora in higher education, science, innovation and entrepreneurship, Timisoara, Romania, 10-13 April 2023.

115. M.F. Frasco, Engineered functional photonic materials for bioinspired sensing, I International Meeting Molecules 4 Life, Vila Real, Portugal, 20-22 September 2023*
116. N.A. Sakharova, J.M. Antunes, A.F.G. Pereira, and J.V. Fernandes, Numerical simulation study of the elastic properties of single-walled silicon carbide nanotubes, The 16th International Conference on Advanced Computational Engineering and Experimenting, ACEX 2023, Crete, Greece, 3-7 July 2023
117. P. Farias, A. Mendonça, P. da Venda, and P.V. Morais, Genome mining reveals potential of *Pseudomonas* sp strains for improved microbial induced calcium precipitation at Microbiotec23, Covilhã, Portugal, 7-9 December 2023
118. P. Farias, L.X. Ji, S.J. Sorensen, and P.V. Morais, Microbiome of hospital surfaces independent of Human occupation, FEMS23, Hamburg, Germany, 9-13 July 2023
119. P. Mendonça, M. Santos, V. Pereira, C. Dias, J. Fernandes, R. Sousa, R. Branco, P. Morais, F. Magalhães, A. Serra, and J. Coelho. Well-defined antimicrobial polymers as additives to produce bioactive coatings, Frontier in Polymer Science, Gothenburg, 30 May - 1 June 2023
120. P. Sadeghi, and M.G.F. Sales, Detection of the antibiotic in aqueous solutions using new potentiometric membrane sensors, OC14, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
121. P. Santos, B.D. Alves, J.F.J. Coelho, A.C. Serra, M.A.N. Domingos, and A.C. Fonseca, The effect of molecular weight on the thermal processability of novel L-alanine based poly(ester amide)s, TERMIS-EU-Chapter 2023, Manchester, United Kingdom, 28-31 March 2023
122. P.V. Mendonça, B. Carvalhoa, L. Gonçalves, C. Paula, A. Cunha, A. Serra, and J. Coelho. Starch-based flame retardant additives for polyethylene-based electrical cables, Frontier in Polymer Science, Gothenburg, 30 May - 1 June 2023
123. P.V. Morais, Bacterial strategies to interact with metals: from mechanisms to applications, 3rd International Meeting on New Strategies in Bioremediation/Restoration Processes (BioRemid2023), Muttenz, Switzerland, 29-30 June 2023
124. P.V. Morais, Biopolymer stabilization of bioleached mine residue to produce technosol, 11th International Symposium on Biomining (Biomining '23), Falmouth, United Kingdom, 5-6 June 2023
125. P.V. Morais, Microbial technology for sustainable development: exploring bacterial strategies for metal interaction, Microbiotec'23, Covilhã, Portugal, 7-9 December
126. P.V. Morais, UCCCB - Centre for microbial conservation and the development of bio-based solutions, 15th International Conference on Culture Collections, Braga, Portugal, 12-16 June 2023
127. P.V. Morais, J. Caldeira, A.P. Chung, R. Francisco, B. Rito, and R. Branco, Microbiome of mine residues and its role in heterotrophic bioleaching and recovery of critical metals, FEMS2023, CCH - Congress Center Hamburg, Hamburg, Germany, 9-13 July 2023

128. R. Beygi, I. Galvão, F. Nematzadeh, C. Leitão, R.M. Leal, and L.F.M. da Silva, A Novel Procedure for Friction Stir Welding Aluminium to Copper by Using an Aluminium Run-On Plate, 11th Asia Conference on Mechanical and Materials Engineering (ACMME 2023), Sapporo, Japan, 8-11 June 2023
129. R. Branco, D. Margato, J.B. Caldeira, A. Correia, and P.V. Morais, Leaching tests as prediction models in mine residue valorisation, MicroBiotec'23, Covilhã, Portugal, 7-9 December 2023
130. R. Branco, J.D. Costa, L.P. Borrego, and F. Berto, Energy field intensity-based approach for notch fatigue analysis of 7050-T6 aluminium alloy under multiaxial loading, 5th International Conference on Structural Integrity, ICSI 2023, Madeira, Portugal, 28 August - 1 September 2023
131. R. Branco, P.V. Morais, and A.P. Chung, Differential Production of Pigments by Rhodanobacter strains Under Metal Exposure, FEMS2023, Hamburg, Germany, 9-13 July 2023
132. R. Fernandes, J.S. Jesus, L.P. Borrego, J.A.M. Ferreira, and J.D. Costa, Influence of heat treatment and notch presence on fatigue behaviour of AlSi10Mg aluminium alloy submitted to laser powder bed fusion, International Conference on Structural Integrity, Funchal, Madeira, 28 August – 1 September 2023
133. R. Fernandes, J.S. Jesus, L. Borrego, J.A.M. Ferreira, R. Branco, and J.D.M. Costa, Effect of heat treatment in fatigue performance of notched and un-notched samples of AlSi10Mg manufactured by LPBF under variable loading amplitudes, The third European Conference on the Structural Integrity of Additively Manufactured Materials, Porto, Portugal, 4-6 September 2023
134. R. Fernandes, J.S. Jesus, L.P. Borrego, J.A.M. Ferreira, and J.D.M. Costa, Influence of heat treatment and notch presence on fatigue behaviour of AlSi10Mg an aluminium alloy submitted to laser powder bed fusion, 39 Congreso del Grupo Español de Fractura, GEF2023, Gijon, Spain, 22-24 March 2023
135. R. Fernandes, J.S. Jesus, L.P. Borrego, J.A.M. Ferreira, and J.D.M. Costa, A study of fatigue thresholds on AlSi10Mg aluminium samples produced by laser powder bed fusion, 13th EASN International Conference on: "Innovation in Aviation & Space for opening New Horizons", EASN 2023, Salerno, Italy, 5-8 September 2023
136. R.F. Fernandes, J.S. Jesus, L.P. Borrego, J.A.M. Ferreira, and J.D. Costa, Notch effect on the fatigue behaviour of AlSi10Mg aluminium alloy obtained by additive manufacturing, 5th International Conference on Structural Integrity, ICSI 2023, Madeira, Portugal, 28 August - 1 September 2023
137. R. Francisco, B. Rito, L. Matos, and P.V. Morais, Soft bioleaching as a process to enrich low-grade alkaline mining waste, FEMS2023, CCH - Congress Center Hamburg, Hamburg, Germany, 9-13 July 2023

138. R. Francisco, L. Matos, D. Margato, B. Rito, A.P. Chung, A.P. Piedade, and P.V. Morais, Tapping into thebiotechnological potential of environmental biodiversity: the example of a platinum high-affinity biopolymer, Microbiotec'23 – congress of microbiology and biotechnology 2023, Universidade da Beira Interior, Covilhã, Portugal, 7-9 December 2023
139. R.M. Leal, I. Galvão, C. Leitão, and R. Mendes, Production of copper-stainless steel welds using an explosive emulsion, 20th International Conference on Experimental Mechanics (ICEM20), Porto, Portugal, 2-7 July 2023
140. R. Martins, M.F. Frasco, A. Mendes, and M.G.F. Sales, Synthesis and application of carbon dots as electrochemical performance enhancers in homemade screen-printed electrodes, OC35, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 1 September 2023*
141. R. Serra, S.A. Adebayo, and J.C. Oliveira, Thick and smooth nanostructured Cr-based coatings by HiPIMS, MATERIAIS 2023, Guimarães, Portugal, 3-6 April 2023
142. R. Serra, S.A. Adebayo, and J.C. Oliveira, Thick and smooth nanostructured Cr-based coatings by HiPIMS, HiPIMS 2023 - 13th International Conference on Fundamentals and Industrial Applications of HiPIMS 2023, Venlo, The Netherlands, 14-15 June 2023
143. R.G. Fonseca, F. De Bon, P. Pereira, F.M. Carvalho, M. Freitas, M. Tavakoli, A.C. Serra, A.C. Fonseca, J.F.J. Coelho, Photodegradable, tough and highly stretchable hydrogels, Polymers 2023 International Conference, Bangkok, Thailand, 22-24 February 2023
144. S.A. Adebayo, R. Serra, and J.C. Oliveira, Correlation of Ar substitution by Ne in the plasma and the properties of Cr thin films deposited by HiPIMS-DOMS, HiPIMS 2023 - 13th International Conference on Fundamentals and Industrial Applications of HiPIMS 2023, Venlo, The Netherlands, 14-15 June 2023
145. S.A. Adebayo, R. Serra, and J.C. Oliveira, Deposition of hard and dense Cr thin films by sputtering without the need of energetic particles bombardment, MATERIAIS 2023, Guimarães, Portugal, 3-6 April 2023
146. S.A. Adebayo, R. Serra, and J.C. Oliveira, Increasing the thickness of sputtered Cr films by HiPIMS-DOMS, PLATHINIOM - Plasma thin film international union meeting, Antibes, France, 11-15 September 2023
147. S. Carvalho, How carbon-based ceramic matrix determines the functional behaviour of antimicrobial nanomaterials?, E-MRS, 2023 Spring Meeting, Strasbourg, France, 29 May – 2 June 2023
148. S. Carvalho, Metallic Chromium Coatings with Different Thicknesses on Polycarbonate Surface, ACT23, Yamoussoukro, Côte d'Ivoire, 24-27 April 2023
149. S. Carvalho, Plasma surface modification: a promising tool for biomedical applications, AEPSE 2023, Busan, Korea, 5-8 November 2023
150. S. Carvalho, Surface biofunctionalization for hard tissue implant applications, Indo-European Conference on Advanced Manufacturing and Materials Processing, India, 4-11 February 2023

151. S. Cruz, D. Santo, P. Pereira, L. Rodrigues, D. Calheiros, T. Gonçalves, A. Cavaleiro, and S. Carvalho, Stents sustainable functionalization: prevention of urinary tract infections SICT 2023 - Surfaces, Interfaces and Coatings Technologies International conference, Lisbon, Portugal, 26-28 April 2023
152. S. Pandeirada, and A. Sousa, Biobased poly(ethylene 3,4-furanoate): synthesis and characterization, #RSCPoster Twitter conference 2023, United Kingdom, 28 February 2023
153. S. Saraiva, P. Pereira, A.C. Serra, and A.C. Fonseca, α -Amino acid based poly(ester amide)s in the prevention of tendon adhesions, 8th International Caucasian Symposium on Polymers & Advanced Materials, Tbilisi, Georgia, 1-3 August 2023
154. S. Valvez, M. Oliveira-Santos, A.P. Piedade, L. Gonçalves, and A.M. Amaro, A structural numerical simulation preliminary study of a left atrial appendage, X International Conference on Computational Bioengineering (ICCB 2023), Vienna, Austria, 20-22 September 2023
155. S.M. Marques, M.J. Lima, and A.S. Carvalho, PVD deposition of TiN-Me (Me = Ag or Zn) thin films on dental implants, Materiais 2023, Guimarães, Portugal, 3-6 April 2023
156. D. Santo, S. Cruz, P. Pereira, L. Rodrigues, T. Gonçalves, I. Carvalho, M. Henriques, A. Cavaleiro, and S. Carvalho, Sustainable functionalization of stents to prevent urinary tract infections, Materiais 2023, Guimarães, Portugal, 3-6 abril 2023
157. S. Mendes, O.Yu. Kurapova, and P.M. Faia, Electrical response to moisture of pure polyantimonic acid-based sensors, Materiais 2023, Guimarães, Portugal, 3-6 abril 2023
158. T. Amaral, A. Messias, F. Guerra, S. Fangaia, M. Neto, and J. Krauser - EAODGI2023-857/PO- BR- 074 | Comparison -of -polymeric- materials -for -framework-of -implant-supported -fixed -prostheses, 30th Annual Scientific Meeting of the European Association for Osseointegration, Clin Oral Impl Research, Berlin, Germany, 29 September - 1 October 2023
159. T.C. Rezende, C.M.R. Abreu, A.C. Serra, A.C. Fonseca, R. Braslau, and J.F.J. Coelho, Nonmigratory internal plasticization of poly(vinyl chloride): efficient approaches, XXI Congresso da Sociedade Portuguesa de Materiais – MATERIAIS 2023 and XII International Materials Symposium, Guimarães, Portugal, 3-6 April 2023
160. T. Omiya, A.C. Serra, A. Cavaleiro, J.F.J. Coelho, and F. Ferreira, Synergistic effects of chemical modifications in the lubricant and substrate coating boost friction reduction, ARCME 2023, Biskra, Algeria, 10-12 December 2023
161. T. Omiya, A.C. Serra, A. Cavaleiro, J.F.J. Coelho, and F. Ferreira, Wear resistance by copolymers with controlled structure under Boundary Lubrication Conditions, Materiais 2023, Guimarães, Portugal, 3-6 April 2023
162. T. Omiya, A.C. Serra, A. Cavaleiro, J.F.J. Coelho, and F. Ferreira, Tribological performance of doped-DLC coatings produced by HiPIMS in the presence of environmental-friendly additives, HiPIMS 2023, Venlo, Netherlands, 12-15 June 2023

163. T. Omiya, M. Fontes, T. Vuchkov, S. Cruz, A. Cavaleiro, F. Mangolini, and F. Ferreira, Tribological performance of Gd-DLC and Eu-DLC coatings in the presence of synthetic oils containing ionic liquid additives, IECADAMAP 2023, Allepuzha, India, 6-8 February 2023
164. T. Resendes, T. Vieira, and P. Rodrigues, Shape Memory Alloy Strain Sensor Integrated In Structural 3D Object During Additive Manufacturing, Euro PM2023, 1-4 October 2023
165. T. Yaqub, T. Vuchkov, and A. Cavaleiro, The self-adaption for determining the low friction behaviour of self-lubricating coatings, FEMS EUROMAT 2023, Frankfurt, Germany, 3-7 September 2023
166. T. Yaqub, T. Vuchkov, J.F. Pierson, S. Bruyère, and A. Cavaleiro, New Insights into the mechanisms governing low friction tribolayer formation in alloyed TMD self lubricant coatings, 13th Asian-European International Conference on Plasma Surface Engineering, Busan, Korea, 6-8 November 2023
167. V. Magalhães, K. Cormican, and G. Fernandes, Crossovers and connections between Innovation Management and Project Management: A systematic literature review and future directions for research, EURAM 2023, Dublin, Ireland, 14-16 June 2023
168. Y. Barcelay, A.M.D. Gandarilla, C.M. Ruzo, T.C.S. Souza, J. Alves, M.G.F. Sales, and W.R. Brito, Electrochemical Hg²⁺ sensor base on electrospun cellulose acetate nanofiber/AgNPs electrode, OC07, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Coimbra, 30 August - 1 September 2023*

Papers in International Proceedings

1. A. Alvares, C. Zhu, T. Tankova, L. Simões da Silva, R. Branco, and I. Lacroix, Development of a robotic additive manufacturing cell based on laser metal deposition process at the University of Coimbra and University of Brasilia, COBEM, 2023. doi:10.26678/ABCM.COBEM2023.COB2023-0718
2. A.A.S. Correia, A. Cerejeira, F.G. Branco, I. Torres, G. Matias, J. Vieira, P.V. Morais, A.P. Chung, M. Aniceto, M. Peixoto, and J. Rodrigues, Effect of adding cutting limestone waste in mortars, WASTES, 2023. doi.org/10.1201/9781003345084-51
3. A.F.G. Pereira, A.E. Marques, M.C. Oliveira, and P.A. Prates, Sensitivity analysis of the of the square cup stamping process using a polynomial chaos expansion, ESAFORM 2023, 26th International Conference on Material Forming, Materials Research Proceedings, Lukasz Madej et al. (Eds.), Vol. 28, pp. 1183-1192, 2023. doi.org/10.21741/9781644902479-129
4. A.I. Bento, L.M.D.F. Ferreira, and G. Fernandes, The interplay between governance mechanisms and the integration of logistics operations: a literature review, 2023 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC), Edinburgh, United Kingdom, 1-9, 2023. doi.org/10.1109/ICE/ITMC58018.2023.10332284

5. A.F.G. Pereira, A. Marques, M.C. Oliveira, and P.A. Prates, Sensitivity analysis of the of the square cup stamping process using a polynomial chaos expansion, *Material Forming - ESAFORM 2023*. doi.org/10.21741/9781644902479-129
6. A. Ramalho, D. Freitas, and H. Almeida, The anisotropy and friction effect in the design of 3D printed PLA parts - A case study, *ICKEM 23 - The 13th International Conference on Key Engineering Materials*, Istanbul, Turkey, *Materials Today: Proceedings*, Mar. 2023. doi.org/10.1016/j.matpr.2023.08.196
7. A.R. Rodrigues, M.S. Correia, and A.J. Pontes, The role of surface roughness in the coefficient of friction in an injection molding similar process, *3th International Conference On Polymer Process Innovation (PPI)*, Sep. 2023
8. B. Alves, D. Gatões, P. Soares, L. Rodrigues, and M.T. Vieira, Material Extrusion: Shaping And Sintering Optimization Through Microtomography, *EUROP M 2023 Conference Proceedings*, 2023. doi.org/10.59499/EP235765455
9. B. Faustino, N.V. Lopes, D. Costa, H. Santos, J. Vasco, C. Capela, C. Rabadão, and C. Ferreira, Modular Lithium-Ion Cell Battery Management System with High Current Balancing, *3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, pp. 1-5, 2023. doi: 10.1109/ICECCME57830.2023.10252714
10. C. Bessa, R. Duque, A. Jesus, C. Silva, L. Eberle, and S. Moniz, Capacity Allocation Incorporating Market Equity Concerns: A Pharmaceutical Supply Chain Case Study, In: Almeida, J.P., Geraldes, C.S., Lopes, I.C., Moniz, S., Oliveira, J.F., Pinto, A.A. (eds) *Operational Research. IO 2021. Springer Proceedings in Mathematics & Statistics*, vol 411, pp. 37-51, 2023. doi.org/10.1007/978-3-031-20788-4_3
11. C. M. Caridade, N. Matviychuk, and L. Roseiro, Automatic Application to Monitor Skin Lesions Using Thermography Images, *18th Iberian Conference on Information Systems and Technologies (CISTI)*, Publisher: IEEE, pp. 1-5, 2023. doi.org/10.23919/CISTI58278.2023.10211564
12. C. Micán, G. Fernandes, and M. Araújo, Modeling the Risk of an Organizational Development Portfolio, *Procedia Computer Science*, 219, pp. 1930–1937, 2023. doi.org/10.1016/j.procs.2023.01.492
13. D. Gatões, L. Cacho, and M.T. Vieira, MicroCT Non-destructive Testing Of Additively Manufactured 3D Objects As Support For True Sustainability, *EUROP M 2023 Conference Proceedings*, 2023. doi.org/10.59499/EP235764060
14. D.G. Pinto, A.P.B.M. Amaro, and L.F.A. Bernardo, A Review on Biopolymeric Matrices Used In The Manufacturing Of Eco-Friendly Composites With Banana Fibers From The Pseudostem For Construction Industry, *Proceedings CEES 2023 – 2nd International Conference on Construction, Energy, Environment and Sustainability*, Jun. 2023

15. F. Santos, L. Roseiro, C. Malça, A. André, R. Durães, W. Xavier, A. Cruz, and M. Silva, Biomechanical System Prototype with Advanced Biofeedback for Rehabilitation of Bedridden Patients, In Proceedings of the 16th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2023) – BIODEVICES, SciTePress, pp. 198-205, 2023, ISBN 978-989-758-631-6, ISSN 2184-4305. doi.org/10.5220/0011799500003414
16. F.R. Cruz, D. Gatões, N. Alves, A.S. Ramos, and T. Vieira, Powder bed fusion for chemical composition optimization of tool steels, Euro PM2023 Proceedings, 2023. doi.org/10.59499/EP235765450
17. G. Fernandes, and J. Santos, Prioritizing stakeholders to boost collaborative R&I projects benefits: an analytic network process approach, Procedia Computer Science, 219, pp. 1660-1669, 2023. doi.org/10.1016/j.procs.2023.01.459.
18. G. Fernandes, J. Santos, P. Ribeiro, L.F.D. Ferreira, D. O'Sullivan, D. Barroso, and E.B. Pinto, Critical Success Factors of University-Industry R&D Collaborations, Procedia Computer Science, 219, pp. 1650-1659, 2023. doi.org/10.1016/j.procs.2023.01.458
19. G. Fernandes, P. Lucas, A.C. Simões, and G. Dalmarco, P2B Methodology: from patents to business, IEEE 28th International Conference on Engineering, Technology and Innovation (ICE/ITMC) & 31st International Association For Management of Technology (IAMOT) Joint Conference, pp. 1-8, 2023. doi.org/10.1109/ICE/ITMC-IAMOT55089.2022.10033151
20. G. Mendes, N. Alexandre, J. Tabora, M. Tostes, E. Matos, U. Holanda de Bezerra, P. Moura, J. Mendes, F.J.T.E. Ferreira, and A. Almeida, ANN for Motor Loading Diagnosis under Voltage Variation Conditions, In Proc. of the 4th IEEE Kansas Power & Energy Conference (KPEC 2023), Manhattan, Kansas (Virtual), Apr. 2023. doi.org/10.1109/KPEC58008.2023.10215414*

21. G.R. Smith, J. van den Hoogen, K. Peay, M. Delgado-Baquerizo, R. Jackson, K. Yu, and T. Crowther, and the Soil Organisms Team: T.A. Ahmed, J.M. Alatalo, S. Anslan, M.A. Anthony, A.S.F. Araujo, J. Ascher-Jenull, E.M. Bach, M. Bahram, C.C.M. Baker, P. Baldrian, R.D. Bardgett, M.N. Barrios-Garcia, F. Bastida, F. Beggi, L.G. Benning, M.A. Bradford, L. Bragazza, A.A.D. Broadbent, C. Cano-Díaz, A.M. Cates, C.E.P. Cerri, S. Cesarz, B. Chen, A.T. Classen, N. Eisenhauer, S. Evgrafova, N. Fanin, F. Fornasier, R. Francisco, A.L.C. Franco, S.D. Frey, H. Fritze, Q. Gao, C. García, P. García-Palacios, M. Gómez-Brandón, M. Gonzalez-Polo, B. Gozalo, R. Griffiths, C. Guerra, M. Hallama, I. Hiiesalu, M.Z. Hossain, Y. Hu, H. Insam, V.E.J. Jasey, L. Jiang, P. Kohout, U. Kõljalg, V. Krashevskaya, X. Li, J.-Z. Lu, X. Lu, S. Luo, S. Lutz, F.T. Maestre, M. Malmivaara-Lämsä, K. Mangelsdorf, M. Manjarrez, A.J. Margenot, S. Marhan, A. Martin, K.E. Mason, J. Mayor, R.L. McCulley, M. Moora, P.V. Morais, M. Muñoz-Rojas, R. Murugan, A.T. Nottingham, V. Ochoa, R. Ochoa-Hueso, J. Oja, P.A. Olsson, M. Öpik, N. Ostle, K. Peltoniemi, T. Pennanen, K. Png, S. Pöhlme, A.M. Potapov, A. Priemé, W. Pritchard, J. Puissant, Sa.M.B. Rocha, C. Rosinger, L. Ruess, D. Sanchez-Pescador, E.J. Sayer, S. Scheu, R.L. Sinsabaugh, L. Slaughter, N.A. Soudzilovskaia, J.P. Sousa, L. Stanish, S. Sugiyama, L. Tedersoo, P. Trivedi, T. Vahter, J. Voriskova, D. Wagner, M.P. Waldrop, D.H. Wall, C. Wang, D. Wang, D.A. Wardle, J. Whitaker, Y. Yang, Z. Zhong, K. Zhu, L.A. Ziolkowski, and M. Zobel, Global links between soil microbes and biogeochemical functions, EGU General Assembly 2023, Apr. 2023, EGU23-10879. doi.org/10.5194/egusphere-egu23-10879
22. H. Paulo, M. Vieira, B.S. Gonçalves, S. Relvas, T. Pinto-Varela, and A.P. Barbosa-Póvoa, A Discrete-Event Simulation Approach to the Design and Planning of Biomass Supply Chains considering Technological Learning, In: 33rd European Symposium on Computer Aided Process Engineering. Computer Aided Chemical Engineering, 52, pp. 1285-1291, Elsevier, 2023. doi.org/10.1016/B978-0-443-15274-0.50205-5
23. H. Paulo, M. Vieira, B.S. Gonçalves, T. Pinto-Varela, and A.P. Barbosa-Póvoa, An Approach to the Design of Resilient Biomass Supply Chain Using Discrete Event Simulation, In: Gonçalves dos Reis, J.C., Mendonça Freires, F.G., Vieira Junior, M. (eds) Industrial Engineering and Operations Management. IJCIEOM 2023, Springer Proceedings in Mathematics & Statistics, vol 431, Springer, Cham., pp. 29-40, 2023. https://doi.org/10.1007/978-3-031-47058-5_3
24. H. Vidinha, R. Branco, M.A. Neto, A.M. Amaro, P. Reis, and J.D. Costa, Failure Mechanisms of GRFP After Long Term Exposure to Seawater, Second International Symposium on Risk Analysis and Safety of Complex Structures and Components (IRAS 2023), Procedia Structural Integrity, 48, 135-141, 2023. doi.org/10.1016/j.prostr.2023.07.139
25. H. Vidinha, R. Branco, M.A. Neto, A.M. Amaro, and P. Reis, Numerical modelling of progressive failure in fiber-reinforced polymer composites under quasi-static loading, Procedia Structural Integrity 51, pp. 9–16, 2023. doi.org/10.1016/j.prostr.2023.10.060

26. I. Soares, G. Fernandes, and J.M.R.C.A. Santos, Sustainability in Project Management Practice: A Literature Review, IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC), Edinburgh, United Kingdom, pp. 1-9, 2023. doi.org/10.1109/ICE/ITMC58018.2023.10332412
27. J. Alves, P. Sousa, B. Matos, J. Mendes, F. Souza, and T. Matias, Modular Cyber-Physical System for Smart Industry: a Case Study on Energy Load Disaggregation, In Proc. of the 7th International Conference on Control, Automation and Diagnosis (ICCAD 2023), May 2023. doi.org/10.1109/ICCAD57653.2023.10152446*
28. J.B. Santos, A.G.M. Ferreira, A. Ratkajec, and M.J. Santos, Evaluation of glycerol speed of sound, 13th European Conference on Non-Destructive Testing (ECNDT), Special Issue of Research and Review Journal of Nondestructive Testing (ReJNDT) ISSN 2941-4989 Vol. 1(1), 2023. doi.org/10.58286/28136
29. J. Caldeira, A.A. Correia, R. Branco, and P.V. Morais, Biopolymer Stabilization of bioleached Mine Residue to produce technosoil, Biomining '23 Draft papers, 2023. <https://www.min-eng.com/biomining23/drafts/session4/morais.pdf>
30. J. Leiria, R. Salles, J. Mendes, and P. Sousa, Soft Sensors for Industrial Applications: Comparison of Variables Selection Methods and Regression Models, In Proc. of the 7th International Conference on Control, Automation and Diagnosis (ICCAD 2023), May 2023. doi.org/10.1109/ICCAD57653.2023.10152323*
31. J. Martins, M.S. Correia, H.A. Almeida, and J.C. Vasco, Impact of Support Structures on the Mechanical Behaviour of Components Produced by Extrusion-Based Additive Manufacturing, In Springer Tracts in Additive Manufacturing, Springer Nature Switzerland, pp. 25–42, 2023. doi.org/10.1007/978-3-031-32927-2_3
32. J.P. Brito, M.C. Oliveira, and J.L. Alves, A more general orthotropic strain-rate potential based on the linear transformation method, Proceedings of the 14th International Conference on the Technology of Plasticity - Current Trends in the Technology of Plasticity. ICTP 2023. Lecture Notes in Mechanical Engineering. K. Mocellin, P.O. Bouchard, R. Bigot, T. Balan, (eds), Springer, 2023. doi.org/10.1007/978-3-031-42093-1_59
33. J. Santos, and G. Fernandes, An analytic network process approach to prioritize project stakeholders in a sustainability context, The European Academy of Management Conference (EURAM), pp. 1-26, 2023
34. J.S.S. Júnior, J. Mendes, F. Souza, and C. Premebida, Hybrid LSTM-Fuzzy System to Model a Sulfur Recovery Unit, In Proc. of the 20th International Conference on Informatics in Control, Automation and Robotics, vol. 2: ICINCO, pp. 281-288, Nov. 2023. doi.org/10.5220/0012165100003543*
35. L. Costa, P. Sousa, N.V. Lopes, D. Costa, H. Santos, J. Vasco, C. Capela, C. Rabadão, and C. Ferreira, Control By Wire (CBW) interface module for 48 V to 96 V electric motor controllers, 3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), pp. 1-4, 2023. doi:10.1109/ICECCME57830.2023.10252850

36. L. Ferreira, A. Bento, C. Cruz, and G. Fernandes, Recent Developments from the Use of Social Network Analysis in Supply Chain Management, 6th European International Conference on Industrial Engineering and Operations Management, 2023. doi.org/10.46254/EU6.20230230
37. L. Ferreira, C. Coelho, and P. Reis, Impact Response of FRP Composites Used in Civil Structural Applications, The 1st International Online Conference on Buildings, 32, 2023. Doi: 10.3390/IOCBD2023-15215
38. M. Cohen, G. Fernandes, and P. Godinho, Measuring the societal impacts of university-industry R&D collaborations, *Procedia Computer Science*, 219, pp. 1574–1582, 2023. doi.org/10.1016/j.procs.2023.01.449
39. M.C. Oliveira, C. Gomes, D.M. Neto, J.L. Alves, and L.F. Menezes, Influence of process and material parameters on the twist springback prediction of a panel, IOP Conference Series: Materials Science and Engineering, 1284, 42nd Conference of the International Deep Drawing Research Group, 1284 012067, 2023. doi.org/10.1088/1757-899X/1284/1/012067
40. M.C. Oliveira, D.M. Neto, J.L. Alves, and L.F. Menezes, Considering the stiffness of the forming tools in the numerical analysis of the ironing process, *Material Forming - ESAFORM2023*, *Materials Research Proceedings*, 28, pp. 1481-1490, 2023. doi.org/10.21741/9781644902479-160
41. M.C. Oliveira, O. Cazacu, B. Revil-Baudard, D.M. Neto, P. Frohn-Sørensen, J. Ma, W. Liu, D. Cruz, A.D. Santos, A. Van Bael, H. Ghiabakloo, and A.M. Habraken, ESAFORM 2021 cup drawing benchmark of an Al alloy: Critical follow up analysis of its potentials, *Material Forming - ESAFORM2023*, *Materials Research Proceedings*, 28, pp. 1491-1502, 2023. https://doi.org/10.21741/9781644902479-161
42. M. Dias, N. Lourenço, C. Silva, and S. Moniz, The Break Point: A Machine Learning Approach to Web Breaks in Paper Mills, In: Almeida, J.P., Geraldes, C.S., Lopes, I.C., Moniz, S., Oliveira, J.F., Pinto, A.A. (eds) *Operational Research. IO 2021*, Springer Proceedings in Mathematics & Statistics, vol 411, pp. 73-85, 2023. doi.org/10.1007/978-3-031-20788-4_5
43. M.F. Pinheiro, L.M. Ferreira, S.G. Azevedo, and V.S. Magalhães, Barriers to the Circular Economy in the Plastics Industry: A Systematic Literature Review, *FAIM 2023*, 32nd International Conference on Flexible Automation and Intelligent Manufacturing. Springer, Cham, pp. 850-858, 2023. doi.org/10.1007/978-3-031-38165-2_98
44. M.J. Santos, I.M. Conceição, L.I. Petrella, F. Perdigão, J. Santos, M. Caixinha, M. Gomes, and M. Morgado, Modelling of an ultrasound-based system for cataract detection and classification, 13th European Conference on Non-Destructive Testing ECNDT 2023, Special Issue of Research and Review Journal of Nondestructive Testing (ReJNDT), vol. 1(1), ISSN 2941-4989, 2023. doi.org/10.58286/28222
45. M. Mendez Morales, T. Tankova, R. Branco, and C. Rebelo, Additive manufacturing of a steel splice joint for tubular elements in a modular wind tower, *Proceedings in Civil Engineering* 6, pp. 763-768, 2023. doi.org/10.1002/cepa.2729

46. M. Noura, M.C. Oliveira, A. Khalfallah, D.M. Neto, J.L. Alves, and L.F. Menezes, The role of the yield criterion on stress and strain paths under non-proportional loadings, Proceedings of the 14th International Conference on the Technology of Plasticity - Current Trends in the Technology of Plasticity, ICTP 2023, Lecture Notes in Mechanical Engineering, Mocellin, K. , Bouchard, P.O., Bigot, R., Balan, T. (eds), Springer, pp. 663-673, Sep. 2023. doi.org/10.1007/978-3-031-42093-1_64
47. N. Mendes, P. Moura, J. Mendes, C.H. Antunes, and J. Mohammadi, Federated Learning Optimization for Energy Communities in Smart Cities, In Proc. of the 9th IEEE International Smart Cities Conference (ISC2 2023), Sep. 2023. doi.org/10.1109/ISC257844.2023.10293511*
48. P. Kordel, and G. Fernandes, Intelligent Organization Through the Lenses of Entrepreneurship and Project Management Approaches, Proceedings of the 18th European Conference on Innovation and Entrepreneurship, Part 1, 18 (1), pp. 477-485, 2023. doi.org/10.34190/ecie.18.1.1545
49. P. Nascimento, C. Silva, S. Mueller, and S. Moniz, Nesting and Scheduling for additive manufacturing: An approach considering due dates, XXI Congresso da Apdio, Springer Proceedings in Mathematics and Statistics, pp. 117-128, 2023. doi.org/ 10.1007/978-3-031-20788-4_8
50. P. Reis, C. Coelho, and L. Ferreira, Cylindrical Sandwich Shells for Civil Engineering Applications, IOCB2023, 14, 2023. Doi: 10.3390/IOCB2023-15196
51. R.F. Fernandes, J.S. Jesus, L.P. Borrego, J.A.M. Ferreira, and J.D.M. Costa, Influence of heat treatment and notch presence on fatigue behaviour of AlSi10Mg aluminium alloy submitted to laser powder bed fusion, Revista española de mecánica de la fractura, 33-3, n°. 6, pp. 33-38, 2023, ISSN-e 2792-4246. dialnet.unirioja.es/servlet/articulo?codigo=9056454
52. R.R. Oliveira, G. Fernandes, and D. Pardini, Stakeholder engagement as a determinant of the governance in projects, Procedia Computer Science, 219, pp. 1564–1573, 2023. doi.org/10.1016/j.procs.2023.01.448
53. R. R. Oliveira, G. Fernandes, D. Pardini, and D. O’Sullivan, Stakeholder Engagement and Project Effectiveness, The European Academy of Management Conference (EURAM), 1-38, 2023
54. S. Montoya-Zapata, N. Klément, C. Silva, O. Gibaru, and M. Lafou, Collective intelligence application in a kitting picking zone of the automotive industry, International Joint Conference on Mechanics, Design Engineering & Advanced Manufacturing, Lecture Notes in Mechanical Engineering, Springer Cham., pp. 410-420, 2023. doi.org/10.1007/978-3-031-15928-2_36
55. S. Shi, and T. Lou, Flexural performance of concrete continuous beams reinforced with FRP bars, The 2023 World Congress on Advances in Structural Engineering and Mechanics (ASEM23), Aug. 2023
56. T. Amaral, A. Messias, F. Guerra, S. Fangaia, M.A. Neto, and J. Krauser, Comparison of Polymeric Materials for Framework of Implant-Supported Fixed Protheses, e-Poster, Clin Oral Impl Research, 34(S27), pp. 50-253, 2023. doi.org/10.1111/clr.14162

57. T. Resendes, P. Rodrigues, F. Cruz, and M.T. Vieira, Shape Memory Alloy Strain Sensor Integrated Into Structural 3D Object During Additive Manufacturing, EUROPM 2023 Conference Proceedings, 2023. doi.org/10.59499/EP235764202
58. T. Ribeiro, L. Roseiro, M. Silva, F. Santos, R. Bernardes, R. Cardoso, V. Parola, H. Neves, A. Cruz, W. Xavier, R. Durães, and C. Maça, Pre-clinical Study of a Customized Rehabilitation Device Prototype for Patients with Immobility Syndrome, In: Tarnita, D., Dumitru, N., Pisla, D., Carbone, G., Geonea, I. (eds), New Trends in Medical and Service Robotics, MESROB 2023, Mechanisms and Machine Science, Springer, Cham, vol 133, pp. 90-98, 2023. doi.org/10.1007/978-3-031-32446-8_10
59. T. Ruivo, M.S. Correia, H.A. Almeida, and A.M. Amaro, Mechanical Behaviour of Polyamide 12 Parts Manufactured by SLS Process, In Additive Manufacturing in Multidisciplinary Cooperation and Production, Springer International Publishing, pp. 53-63, 2023. doi.org/10.1007/978-3-031-37671-9_6
60. T. Resendes, P. Rodrigues, H. Cordeiro, F. Cruz, and T. Vieira, Shape Memory Alloy Strain Sensor Integrated Into Structural 3D Object During Additive Manufacturing, Euro PM2023 Proceedings, 2023. doi.org/10.59499/EP235764202
61. V. Magalhães, K. Cormincan, and G. Fernandes, Crossovers and connections between innovation management and project management: A systematic literature review and future directions for research, The European Academy of Management Conference (EURAM), Dublin, pp. 1-40, 2023.
62. Z. Li, S. Shi and T. Lou, 3D finite element modeling of externally prestressed concrete beams, The 2023 World Congress on Advances in Structural Engineering and Mechanics (ASEM23), Aug. 2023.

Attendance to National Conference with Presentation

1. A. Fróis, A.C. Santos, R. Francisco, P.V. Morais, D. Ferreira, and C.S. Louro, DLC coatings for orthodontic applications: bacterial adhesion and biocompatibility in vitro, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
2. A. Jesus, A. Corrêa, C. Silva, and S. Moniz, Flexible job shop scheduling with Deep Q-Learning, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
3. A. Messias, M. Neto, C. Louro, and P. Nicolau, Reabilitação de pacientes desdentados parciais com classe i de kennedy e próteses parciais removíveis implanto assistidas, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
4. A. Naseer, M. Evaristo, M. Kalin, and A. Cavaleiro, Optimization of Doping Content for Sputtered a-C:H:Si:O Coatings, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
5. A. Sousa, Circular Polymers: contributions to a more sustainable society!, Research Summit 2023, Aveiro, Portugal, 12-14 July 2023

6. A.C. Trindade, A.C. Ribeiro, A.J. Valente, A. Messias, P. Nicolau, and S. Fangaia, Caracterização da difusão mútua de complexos entre iões cobalto e hialuronato de sódio. XLIII Congresso Anual da Sociedade Portuguesa de Estomatologia e Medicina Dentária (SPEMD) Oeiras, 12-14 October 2023
7. A.C. Trindade, D. Silva, A.C. Ribeiro, A.J. Valente, P. Nicolau, and S. Fangaia, Caracterização da difusão mútua e complexos supramoleculares entre ciclodextrinas e iões de cobalto. XXII Reunião Anual de Medicina Dentária e Estomatologia de Coimbra, Coimbra, 23-24 March 2023
8. A.M. Sousa, A.M. Amaro, and A.P. Piedade, Finite element analysis of different designs and thickness using 3D printing PLA and PCL, Materias 2023, Guimarães, Portugal, 3-6 April 2023
9. A.M. Sousa, A.M. Amaro, and A.P. Piedade, 3D Printing of Polymeric Bioresorbable Stents: Finite Element Analysis of Different Stent Designs, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
10. A.M. Sousa, A.M. Amaro, and A.P. Piedade, Análise MEF da Influência do Design e da Espessura da Haste nas Propriedades de Stents Coronários de PLA e PCL, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
11. A.R. Cardoso, J.F. Alves, M.F. Frasco, and M.G.F. Sales, Biographene for electrochemical applications, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 August - 01 September 2023*
12. A.S. Gaspar, A.C. Fonseca, A.C. Serra, and J.F.J. Coelho, Development of Rosin-based polyesters, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
13. B. Alves, A.J. Cavaleiro, P. Lacerda, and M.T. Vieira, Additive Manufacturing for Space: an overview, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
14. B. Alves, G. Oliveira, F. Cruz, and T. Resendes, From Powder to Innovation, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
15. B.M. Marques, D.M. Neto, M.C. Oliveira, J.L. Alves, and L.F. Menezes, Inherent strain method to predict residual distortion/stress in parts produced by laser powder bed fusion, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
16. C. Caridade, L. Roseiro, A. Vicente, A.R. Vieira, and M.A. Castro, Thermal Mapping of the Trapezius Muscle in Supermarket Cashier Work Procedures, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
17. C. Carmo, J.M.S. Almeida, J. Araújo, C.M.A. Brett, A.J.F.N. Sobral, Electrochemical studies of tris(perfluorophenoxy)benzaldehyde and tris(perfluorophenoxy)phenyl-BODIPY, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, 30 August - 1 September 2023.
18. C. Coimbra, S. Velizarov, R. Branco, P. Vasconcelos Morais, and J.G. Crespo, Donnan dialytic transport and biological removal of yttrium from model AMD solutions, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023

19. C.M. Amaro, M.I. Cruz, V. Maranhã, A.M. Amaro, and M.A. Castro, Atividade Mioelétrica Do Membro Superior No Lançamento De Uma Bola Com E Sem Manga De Compressão, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
20. C.M. Amaro, R. Mendes, B.B. Gomes, and M.A. Castro, Avaliação da força de reação do solo no lançamento de basquetebol com e sem oposição, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
21. C. Ye Zhu, 3D Printing of metal components with an intelligent robotic cell, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
22. C.M. Amaro, M.A. Castro, R. Mendes, and B.B. Gomes, Efeito da distância de lançamento de basquetebol no recrutamento muscular do braço lançador, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
23. C.M. Andrade, D.M. Neto, M.C. Oliveira, and J.C. Sá, Impact of solid-state phase transformations on residual stress prediction during Selective Laser Melting of Ti-6Al-4V, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
24. C.M.A. Brett, Chemistry at the world level and the activities of IUPAC, The role of electrochemistry, ENEQUI'23, Encontro Nacional de Estudantes de Química, Porto, 31 March – 3 April 2023
25. C. Bessa, T. Pinto-Varela, C. Silva, and S. Moniz, A capacity allocation model for fairer pharmaceutical supply chains, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
26. C.F. Frias, A.C. Fonseca, J.F.J. Coelho, and A.C. Serra, Crosslinked Non-Isocyanate Polyurethane Films from Biobased Carbonates: Synthesis and characterization, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
27. D. Neves, M.G.F. Sales, and M.F. Frasco, Biomimetic hydrogel for optical sensing of extracellular vesicles, Molecules4Life, I Internacional Meeting 2023, Universidade de Trás-os-Montes e Alto Douro, 20-22 September 2023*
28. D. Ferreira, J. Esteves, and M.A. Castro, Static Postural Control Of The Ankle During The Performance Of The Leg Stance Test In Subjects With And Without Chronic Ankle Instability, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
29. D.C.M. Ribeiro, A.C. Serra, and A.L. Ramalho, Biobased lubricant from modified Epoxidized Soybean oil: Impact on tribological properties, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
30. E. Carneiro, and S. Carvalho, REACH Regulation: Alternative coatings to hexavalent chromium, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
31. A. Gomes, M.F. Paulino, A.M. Amaro, and M.A. Neto, Simulação da Receção num Salto Vertical em Ginástica, 10º Congresso Nacional de Biomecânica, Amaro, A., Roseiro, L., et al. (Eds), Figueira da Foz, Portugal, 5-6 May 2023

32. I. Alves, M.A. Castro, S. Tavares, and O. Fernandes, Electroyography Analysis Of Rectus Femoris And Biceps Femoral Muscles Activation In Adults With Achondroplasia, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
33. J. Henriques, A.M. Amaro, and A.P. Piedade, Modelos Biomiméticos de Vasos Sanguíneos Ateroscleróticos: Uso da Impressão 3D para Obter Diferentes Graus de Oclusão, X Congresso da Sociedade Portuguesa de Biomecânica (CNB 2023), Figueira da Foz, Portugal, 5-6 May 2023
34. J.B.A. Pais, and M.A. Castro, Efeito Da Fisioterapia Na Atividade Mioelétrica Do Pavimento Pélvico Em Pacientes Com Dor Crónica Pélvica, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
35. J.D. Castro, M.J. Lima, I. Carvalho, R. Serra, F. Ferreira, M. Henriques, and S. Carvalho, Multifunctional coatings for maritime applications, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
36. J. Marouvo, N. Azevedo, F. Sousa, O. Fernandes, and M.A. Castro, Flat-Footed Subjects: Non-Linear Analysis Of Center Of Pressure, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 may 2023
37. J. Marouvo, N. Azevedo, F. Sousa, O. Fernandes, and M.A. Castro, Towards Approximate Entropy Analysis Of Center Of Pressure Characteristics In Flat Foot Subjects, X Congresso Sociedade Portuguesa de Biomecânica (XCNB), Figueira da Foz, Portugal, 5-6 May 2023
38. J. Marouvo, R. Cacho, N. Azevedo, F. Sousa, O. Fernandes, and M.A. Castro, An Analysis Based On Non-Linear Fractal Dimensions Of The Center Of Pressure, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 may 2023
39. J.P.M. Ribeiro, P.V. Mendonça, A.C. Serra, and J.F.J. Coelho, Design and controlled synthesis of glycopolymers under biologically relevant conditions: from sugar-based monomers to complex polymeric structures, Ciencia 2023, Aveiro, 5-7 July 2023
40. J.F. Costa, A.S. Gaspar, R. Duarte, A.C. Fonseca, A.C. Serra, and J.F.J. Coelho, Fully and partially bio-based polyesters as compatibilizers, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
41. J. Dinis, R. Ruben, J. Pinto, C. Campos, M. Correia, H. Almeida, and M. Carvalho, Geração De Malhas Hexaédricas Da Traqueia, 10º Congresso Nacional de Biomecânica, Figueira da Foz, 5-6 May 2023, ISBN: 978-989-33-4641-9
42. J.N. Martins, M.G.F. Sales, M.F. Frasco, Protein-based photonic hydrogel for sensing microRNAs, Molecules4Life, I Internacional Meeting 2023, Universidade de Trás-os-Montes e Alto Douro, 20-22 September 2023*
43. J.B. Pinto, R.B. Ruben, J.C. Dinis, C.A. Campos, M.S. Correia, H. Almeida, and M.S. Carvalho, Simplificação Da Definição Dos Materiais Na Análise Do Implante Traqueobrônquico, 10º Congresso Nacional de Biomecânica, Figueira da Foz, 5-6 May 2023, ISBN: 978-989-33-4641-9

44. L. Sousa, F. Morreira, J. Costa, A. Messias, and P. Nicolau, Effect of different retentive systems on the retention of implant retained overdenture, XXII Reunião Anual de Medicina Dentária e Estomatologia de Coimbra, Coimbra, 23-24 March 2023
45. L. Vilhena, I. Francisco, A.B. Paula, C.M. Marto, F. Vale, and A. Ramalho, Mechanical characterization of several elastics used in orthodontics subject to different decay condition, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
46. L. Duarte, and P. Neto, Classification of primitive manufacturing tasks from filtered event data, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
47. M. Aguiar, and A. Sousa, Enhancing plastic waste recycling: Investigating the impact of additives on polymer degradation via laccase from *Trametes versicolor*, 14th International Chemical and Biological Engineering Conference (CHEMPOR-2023), Bragança, Portugal, 12-15 September 2023
48. M. Cruz, B. Gomes, M. Silva, A.M. Amaro, and L. Roseiro, Utilização da pagaia e remo instrumentado como elemento estrutural para quantificação da força exercida – pré-estudo de comportamento do extensómetro com simulação em ambiente seco e molhado, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
49. M. Salgado, R. Reis, M. Pinharandas, A. Messias, and P. Nicolau, Impacto do equilíbrio oclusal na qualidade de vida de portadores de próteses removíveis, XLIII Congresso Anual da Sociedade Portuguesa de Estomatologia e Medicina Dentária, Rev Port Estomatol Med Dent Cir Maxilofac, Vol 64 Supplement S1, p 45, Oeiras, Portugal, 12-14 October 2023
50. M. Salgado, R. Reis, M. Pinharandas, A. Messias, and P. Nicolau, Impacto do equilíbrio oclusal na qualidade de vida de portadores de prótese removível, XLIII Congresso Anual da Sociedade Portuguesa de Estomatologia e Medicina Dentária (SPEMD), Oeiras, Portugal, 12-14 October 2023
51. M. Saraiva, J.P. Vilas-Boas, and M.A. Castro, Effects Of Different Cognitive Tasks On The Excursion Of The Center Of Pressure – Dual-Task Study, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
52. M. Saraiva, M.A. Castro, and J.P. Vilas-Boas, Walking While Typing On A Smartphone – Muscle Activity Analysis, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
53. M.A. Castro, Sistemas de Avaliação do Movimento Humano, IV Jornadas Internacionais dos Estudantes de Fisioterapia - Movimento Humano: da Teoria à Prática, Vila Nova de Gaia, 15 June 2023
54. M.A. Neto, R.M. Branco, A. Amaro, and R.I. Falacho, Avaliação da Resistência Mecânica de Ligações Adesivas Utilizadas nas Restaurações Dentárias, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
55. M.E. Ghica, B. Elsebai, and C.M.A. Brett, Electrochemical detection of mercury by two different approaches: enzyme inhibition and ionophore chelation, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, 30 August - 1 September 2023

56. M.G.F Sales, Innovative biosensors for health biomarkers, 6th Symposium on Medicinal Chemistry, Universidade do Minho, 15 June 2023*
57. M.S. Lima, A.C. Serra, L.P. de Almeida, J.F.J. Coelho, and A.C. Fonseca, DOPA-based poly(ester amide)s as tissue adhesives, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
58. M. Reis, P. Mendes, M.S. Correia, H.A. Almeida, and R.B. Ruben, Análise De Modelos De Implantes Traqueobrônquicos Produzidos Por Extrusão De Material, 10º Congresso Nacional de Biomecânica, Figueira da Foz, 5-6 May 2023, ISBN: 978-989-33-4641-9
59. M. Raposo, M.O. Santos, A. Canotilho, and A. Amaro, Simulação de Cirurgia Cardíaca com Recurso a Fabrico Aditivo, 10º Congresso Nacional de Biomecânica, Amaro, A., Roseiro, L., et al. (Eds), Figueira da Foz, Portugal, 5-6 May 2023
60. M. Neves, and P. Neto, Robot learning with humans in the loop to support decision-making and task control, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
61. M. Pereira, I. Galvão, R. Leal, A. Amaro, and J.D. Costa, Friction Stir Welding of Polymeric Based Materials to Metals, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
62. M. Haneef, M. Evaristo, A. Morina, L. Yang, and B. Trindade, New nanoscale multilayer magnetron sputtered Ti-DLC/DLC coatings with improved mechanical properties, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
63. M.C.S. Fernandes, R. Branco, P.V. Morais, J.F.J. Coelho, and A.C. Serra, Anti-bacterial coating of surfaces with cationic polymers containing terpenic monomers, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
64. N. Azevedo, C. Lopes, J. Marouvo, J. Vaz, and E. Matos, E, Trigeminal nerve stimulation and balance - a pilot study, 10º Congresso Nacional de Biomecânica, 2023
65. N. Tavares, J.P. Vilas-Boas, and M.A. Castro, Difference In The Electromyographic Activity Of Serratus Anterior Between Two Preventive Exercise Programs For Swimmer's Shoulder: Elastic Band VS Weight, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
66. N. Tavares, M.A. Castro, and J.P. Vilas-Boas, An Electromyographic Analysis Of Shoulder Muscles In Scapular Punches Exercise In Swimmers, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 may 2023
67. O. Martins, F. Caramelo, A. Messias, and S. Matos, Tratamento cirúrgico de defeitos peri-implantares de 2 paredes com bloco de L-PRF/xenoenxerto: série de casos, 32º Congresso da Ordem dos Médicos Dentistas, Exponor, Porto, Portugal, 9-11 November 2023
68. P.N.B. Reis, A. Messias, J.C. Ramos, M.A. Neto, and A. Amaro, Resposta ao Impacto de Materiais para Uso em Protetores Bucais, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
69. P. Pereira, and C. Miranda, (Less) Plastic Brain, Circular 23 - Conversas Circulares, Exploratório - Centro Ciência Viva de Coimbra, Circular 23 - Evento de Sustentabilidade da UC, Coimbra, Portugal, 12 May 2023

70. P. Pereira, and J. Coelho, Polysyc, Coimbra Space Training Camp, organised by the Institute Pedro Nunes (IPN) and ESA Space Solutions Portugal, 21 June 2023
71. P. Pereira, NerveGen. ARRISCA C – Concurso de ideias de negócios, INOVC+, Casa das Artes de Miranda do Corvo, 28 February 2023
72. P. Pereira, NervGen, Evento Final Projeto INOVC+, Antiga Igreja Convento São Francisco, Coimbra, 28 June 2023
73. P. Santos, B.D. Alves, J.F.J. Coelho, A.C. Serra, M.A.N. Domingos, and A.C. Fonseca, Poly(ester amide)s for 3D printing: assessment on their properties and thermal processability, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
74. M.F. Paulino, and J.P. Dias, Estudo Preliminar da Posição a Adotar na Realização de Elementos de Equilíbrio em Ginástica Acrobática, 10º Congresso Nacional de Biomecânica, Figueira da Foz, Portugal, 5-6 May 2023
75. P. Nascimento, C. Henggeler, C. Silva, S. Mueller, and S. Moniz, Nesting and scheduling problems in additive manufacturing: a decomposition approach, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
76. P.E.C. Nunes, A.C. Serra, J.F.J. Coelho, P.V. Morais, and A.C. Fonseca, Development of a novel generation of biomimetic wound dressings based on cationic poly(ester amide)s, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
77. P.M. Ferreira, B. Trindade, and M. Kalin, Aging of PEEK and PPA in lubricating oils and the effects on the tribological behavior, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
78. R. Vaz, M.G.F. Sales, and M.F. Frasco, Photonic core-shell molecularly imprinted materials for sensing cancer-related extracellular vesicles, 2nd Meeting of the Portuguese Network on Extracellular Vesicles, Lisboa, Portugal, 22-23 June 2023*
79. R.M. Martins, M.F. Frasco, A.M. Mendes, and M.G.F. Sales, Synthesis and application of carbon dots as electrochemical performance enhancers in homemade screen-printed electrodes, XXV Meeting of the Portuguese Electrochemical Society, Coimbra, Portugal, 30 agosto - 01 setembro 2023*
80. R. Habiba, A. Amaro, C. Moura, R. Silva, D. Trindade, A. Antão, C. Malça, and R. Branco, Impact Resistance of Additively Manufactured Polymeric Materials for Biomedical Applications, 10º Congresso Nacional de Biomecânica, Amaro, A., Roseiro, L., et al. (Eds), Figueira da Foz, Portugal, 5-6 May 2023
81. R.C. Rebelo, R. Moreira, A.C. Fonseca, J.F.J. Coelho, and A.C. Serra, A Sustainable Method to Preparation of Cellulose Hydrogels for Agriculture, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
82. M. Reis, H. Almeida, and M.F. Paulino, Design e Otimização de um Implante Metálico para o Osso Mandibular, 10º Congresso Nacional de Biomecânica, Figueira da Foz, Portugal, 5-6 May 2023
83. R. Fernandes, J. Jesus, L. Borrego, J. Ferreira, R. Branco, and J. Costa, Fatigue crack growth behavior of AlSi10Mg aluminum alloy processed by LPBF submitted to different heat treatments, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023

84. S. Valvez, M. Oliveira Santos, A.P. Piedade, L. Gonçalves, and A.M. Amaro, Planning the closure procedure: structural simulation of a left atrial appendage, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
85. S. Valvez, M. Oliveira-Santos, A.P. Piedade, L. Gonçalves, and A.M. Amaro, Planeamento do Procedimento de Encerramento: Fabrico Aditivo de um Apêndice Auricular Esquerdo, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
86. S.A. Adebayo, R. Serra, and J.C. Oliveira, Effects of partial substitution of Ar by Ne in the plasma, on the properties of Cr films deposited by HiPIMS-DOMS, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
87. S.M.A. Pinto, D.S.S. Teixeira, S.C.C. Nunes, J.M.S. Almeida, Z. Garda, A. Pallier, A.A.C.C. Pais, C.M.A. Brett, É. Tóth, M.M. Pereira, and C.F.G.C. Geraldés, Fluorinated Mn(III)/(II)-porphyrin with redox-responsive ¹H and ¹⁹F relaxation properties, XXVIII Encontro Nacional da Sociedade Portuguesa de Química, Aveiro, 24-26 July 2023.
88. Santo D., L. Fialho, L. Grenho, M.H. Fernandes, I. Carvalho, M.J. Lima, D. Nobre, S. M. Marques, D. Castro, T. R. Leite, M. Henriques, F. Duarte, A. Ramalho, S. Cruz, P. Pereira, L. Rodrigues, T. Gonçalves, A. Cavaleiro, and S. Carvalho, Surface Engineering: a powerful tool for biomedical applications, BIO'n'TEQ: Mostra Tecnológica de Biotecnologia, Cantanhede, Portugal, 1 February 2023
89. S. Inocência, S. Simões, A.C. Serra, J.F.J. Coelho, and A.C. Fonseca, Long-Acting Drug Release System for the Management of Postoperative Pain, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
90. S.A. Khan, J. Oliveira, F. Ferreira, N. Emami, and A. Ramalho, Tribological Performance of DLC Coatings Against CFRP-Ti Stacks Evaluated in Cross-cylinder Tribotest, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
91. S. Saraiva, P. Pereira, P. Santos, J. F. J. Coelho, L. Almeida, A.C. Serra, and A.C. Fonseca, Poly(ester amide)s membranes for the prevention of tendon adhesions, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
92. T. Mourão, R. Mendes, A. Vences-Brito, and M.A. Castro, Efeito Agudo Da Libertação Miofascial Na Ativação Muscular Durante O Movimento De Snatch/Arranque, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
93. T. Rolo, A. Messias, I. Poiães Baptista, D. Silva, and S. Matos, Diagnóstico de Defeitos Periodontais Infraósseos com Posicionador Radiográfico Individualizado – Estudo Observacional Transversal, 32º Congresso da Ordem dos Médicos Dentistas, Exponor, Porto, Portugal, 9-11 November 2023
94. T. Vieira, B. Trindade, S. Ramos, G. Oliveira, and M. Panão, Redesign of cermets cutting tools: A new approach using MEX, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023
95. T. Resendes, T. Vieira, M. Fontul, and T. Viana, Advanced Polymer Composites for a Sustainable Reflective Surface Performance, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023

96. V. Tranchenko, M.A. Neto, M.F. Paulino, and A. Messias, Avaliação da Influência do Material e da Preparação Cavitária na Resistência Mecânica de Restaurações Dentárias de Recobrimento Parcial, 10º Congresso Nacional de Biomecânica, Figueira da Foz, Portugal, 5-6 May 2023
97. V.A. Pereira, P.V. Mendonça, R. Branco, P.V. Morais, J.F.J. Coelho, and A.C. Serra, Bioactive surfaces with well-defined amphiphilic copolymers containing a natural terpene-based monomer, Ciência 2023, Aveiro, 5-7 July 2023
98. V. Maranhã, L. Roseiro, P. Carvalhais, and M.A. Neto, Coifa dos Rotadores-Anatomia, Patologia e Tratamento- Resenha Histórica e Revisão, X Congresso da Sociedade Portuguesa de Biomecânica, Figueira da Foz, Portugal, 5-6 May 2023
99. V. Paula, and A. Sousa, Recycling of poly(ethylene terephthalate) waste by efficient hydrolytic depolymerization with bio-based eutectic solvents, 14th International Chemical and Biological Engineering Conference (CHEMPOR-2023), Bragança, Portugal, 12-15 September 2023
100. V. Trachenko, M. Neto, M. F. Paulino, and A. Messias, Avaliação Da Influência Do Material E Da Preparação Cavitária Na Resistência Mecânica De Restaurações Dentárias De Recobrimento Parcial, X Congresso Sociedade Portuguesa de Biomecânica (X CNB), Figueira da Foz, Portugal, 5-6 May 2023
101. V. Maranhã, L. Roseiro, P. Carvalhais, and M.A. Neto, Rotator's Cuff- Anatomy, Pathology and Treatment-Historical Review, CEMMPRE Meeting, Coimbra, Portugal, 21 July 2023

Papers in National Proceedings

1. A.C. Trindade, A.C. Ribeiro, A.J. Valente, A. Messias, P. Nicolau, and S. Fangaia, Caracterização da difusão mútua de complexos entre iões cobalto e hialuronato de sódio, XLIII Congresso Anual da Sociedade Portuguesa de Estomatologia e Medicina Dentária (SPEMD) Oeiras, (64) Supplement 1, p. 45, 13-14 October 2023
2. C.E. Cremonini, J.C. Vasco, C. Capela, A. Silva, and M.C. Gaspar, INDUSTRY 4.0 Concept in the Portuguese Natural Stone Cluster, Proceedings do Global Stone Congress 2023, Batalha, Portugal, 319-328, 2023
3. C.E. Cremonini, J.C. Vasco, C. Capela, A. Silva, and M.C. Gaspar, Digital Twins and the Ornamental Stone Industry: Key Factors, Proceedings do Global Stone Congress 2023, Batalha, Portugal, 329-334, 2023
4. L. Lopes, J. Santos, A. André, and J.S. Silva, Ultrasound versus Elastography in the Study of Sarcopenia, RECPAD 2023, Coimbra, p. 121-122, 27 October 2023
5. M. Salgado, R. Reis, M. Pinharandas, A. Messias, and P. Nicolau, Impacto do equilíbrio oclusal na qualidade de vida de portadores de prótese removível, XLIII Congresso Anual da Sociedade Portuguesa de Estomatologia e Medicina Dentária (SPEMD) Oeiras, (64) Supplement 1, pp. 39-40, 13-14 October 2023

6. S. Montoya-Zapata, N. Klément, C. Silva, O. Gibaru, and M. Lafou, Modélisation de la logistique interne d'une usine automobile comme un système multi-agents, S-mart - Systems, Manufacturing, Academics, Resources, Technologies, 18eme Colloque National, pp. 6, 2023
7. T. Rocha, J. Santos, A. André, J.S. Silva, "Ultrasound versus Elastography in the Study of Thyroid Nodules". RECPAD 2023, Coimbra, p. 127-128, 27 outubro 2023

Organization of Seminars and Conferences

1. 14th International Conference on the Technology of Plasticity - Current Trends in the Technology of Plasticity (ICTP 2023): Symposium in Honor of F. Barlat, Mandelieu-La Napoule, France, 24-29 september 2023
2. 16th International Conference on Advanced Computational Engineering and Experimenting (ACEX 2023), Crete, Greece, 3-7 July 2023 (Scientific committee)
3. 32nd International Conference on Flexible Automation and Intelligente Manufacturing - FAIM 2023, Porto, Portugal, 18-22 June 2023
4. 39º Congreso del Grupo Español de Fractura, GEF2023, Gijon, Spain, 22-24 March 2023 (Scientific committee)
5. 3D Bioprinting Iberian Workshop, Coimbra, Portugal, 28-29 November 2023
6. 3rd International Conference on Advanced Materials, Manufacturing Processes, and Equipment, Zhenjiang, China, 13-17 October 2023
7. 49th IUPAC World Chemistry Congress, The Hague, Netherlands, 20-25 August 2023 (Organizer committee)
8. 4D Materials Design and Additive Manufacturing Conference 2023 (4DMA2023), Georgia, USA, 7-8 September 2023 (Scientific committee)
9. 5th International Conference on Structural Integrity (ICSI 2023), Madeira, Portugal, 28 August - 1 September 2023 (Organizer committee and Scientific committee)
10. CleanMould – Final Semminar of the Project CleanMould - Advanced low friction and fretting-resistant diamond-like coating solution, Coimbra, Portugal, 17 July 2023
11. Coatings and Surface Modification Technologies (FEMS EUROMAT 23), Frankfurt, Germany, September 2023 (Organizer committee)
12. Conference on Electrochemistry in Industry, Health and Environment – 2023 (EIHE-2023), Mumbai, India, 7-11 February 2023 (Scientific committee)
13. Day of the microorganism - Speed Dating with Microorganisms, Coimbra, Portugal, 17 September 2023 (Organizer committee)
14. Day of the microorganism – Webinar (Portuguese Society of Microbiology), Coimbra, Portugal, 17 September 2023 (Organizer committee)
15. Euro PM2023 Congress & Exhibition, Lisbon, Portugal, 1-4 October 2023 (Chair)
16. ICERI 2023 - 16th International Conference of Education, Research and Innovation, Seville, Spain, 13-15 November 2023 (Scientific committee)

17. IMFire - Final Workshop of the IMFire Project (Intelligent Fire Management), Coimbra, Portugal, 30 November 2023
18. Indo-European conference of Advanced manufacturing and materials processing, (IECAdvaMAP-2023), Kerela, India, 6-8 February 2023
19. International Conference on Materials Science, Engineering and Technologies, Singapore, 7-9 September 2023 (Scientific committee)
20. New solutions for recovering critical raw materials, Coimbra, Portugal, 30 January 2023 (Organizer committee)
21. *Noite Europeia dos Investigadores "Sustentabilidade e inclusão CEMMPRE!"*, Coimbra, Portugal, 29 September 2023
22. Soft4Sense and MCTool21 – Final Seminary of the Projects MCTool21 – Manufacturing of cutting tools for the 21st century: from nano-scale material design to numerical process simulation and Soft4Sense – Smart Surfaces for Reliable Tooling Integration, Coimbra, Portugal, 4 September 2023
23. The Sixth Iberian Robotics Conference, Coimbra, Portugal, 22-24 November 2023 (Organizer committee)
24. Workshop SusSurf 2023 - Surface engineering for sustainable industrial applications, Coimbra, Portugal, 15 March 2023
25. X Congresso da Sociedade Portuguesa de Biomecânica - CNB2023, Figueira da Foz, Portugal, 5-6 May 2023 (Chair or co-chair of the Conference, Organizer committee and Scientific committee)

Theses

PhD theses

1. Ana Vanessa Andrade Pereira, Atom transfer radical polymerization: the use of bio-based eutectic mixtures and development of new copolymers for the preparation of high performance coatings, University of Coimbra, March 2023, Supervisors: Arménio Coimbra Serra, and Patricia Vitorino Mendonça. <https://estudogeral.uc.pt/handle/10316/114390>
2. André Luiz Romano, Gestão dos riscos da sustentabilidade nas cadeias de suprimentos de empresas brasileiras, Universidade Aberta, May 2023, Supervisors: Sandra Caeiro, and Luis Miguel D. F. Ferreira. <https://repositorioaberto.uab.pt/handle/10400.2/13987>
3. Andreia Sofia Rodrigues Oliveira, Synthesis of amphiphilic star block copolymers for the development of long-acting injectable formulations, University of Coimbra, December 2023, Supervisors: Jorge Coelho, Patrícia Mendonça, and Sérgio Simões. <https://estudogeral.uc.pt/handle/10316/114644>
4. Carlos Tadeu Barreirinhas Paula, Biocompatible hydrogels with controlled degradation by visible light, University of Coimbra, March 2023, Supervisors: Arménio Serra, and Ana Clotilde Fonseca. <https://estudogeral.uc.pt/handle/10316/114382>

5. Carolina Sofia Hora Oliveira, Development of dye-sensitized solar cells for synergistically hosting cancer biosensors, University of Porto, January 2023, Supervisors: Adélio Mendes, and Goreti Sales*. <https://repositorio-aberto.up.pt/handle/10216/147875>
6. Daniel Gatões, Smart Control of Defects in Metallic Additive Manufacturing 3D Objects Function of Application, University of Coimbra, February 2023, Supervisor: Maria Teresa Freire Vieira.
7. Daniela Filipa da Silva Lopes Rodrigues, Fabrication of high efficiency dye sensitized solar cells using tailor made polymers, University of Coimbra, July 2023, Supervisors: Armenio Serra, Adélio Miguel Magalhães Mendes, and Krzysztof Matyjaszewski. <https://estudogeral.uc.pt/handle/10316/114509>
8. João Paulo Martins Brito, Numerical-based plastic potentials for anisotropic porous metallic materials: development and implementation, University of Coimbra, December 2023, Supervisors: Marta Oliveira, and José Luís Alves
9. Marina Saraiva, The effect of dual-task on static and dynamic postural control in daily activities and its relationship with sleep quality and physical activity in young adults, University of Porto, January 2023, Supervisors Maria António Castro, and João Paulo Vilas-Boas. <https://repositorio-aberto.up.pt/handle/10216/147407>
10. Meriem Nouira, Calibration of ductile fracture models used in the numerical simulation for sheet metal forming process, University of Sousse, January 2023, Supervisors: Marta Oliveira, and Ali Khalfallah
11. Nádia da Silva Ferreira, Autonomous biosensor for screening cancer biomarkers using passive Fuel Cells, University of Porto, November 2023, Supervisors: Goreti Sales (UC) and Alexandra Pinto (FEUP). <https://repositorio-aberto.up.pt/handle/10216/157057>
12. Natália Sofia da Mota Ferreira, Fatigue life improvement of aeronautical aluminium alloys using peening techniques, University of Coimbra, March 2023, Supervisors: José A. M. Ferreira, and Carlos B. Capela
13. Neeraj Kumar, Si-Sn and Si-Sn-X (X = Ti, Cu, and Zn) systems for humidity sensing applications fabricated by non-equilibrium techniques, University of Coimbra, April 2023, Supervisors: Pedro Faia, and Bruno Trindade
14. Rita Gaspar Fonseca, Synthesis of Highly Stretchable and Tough Hydrogels with Controlled Photodegradation, University of Coimbra, March 2023, Supervisors: Jorge Fernando Jordão Coelho, Ana Clotilde Amaral Loureiro da Fonseca, and Arménio Coimbra Serra. <https://estudogeral.uc.pt/handle/10316/114471>
15. Roney Camargo Malaguti, Determination of the operation condition of lubricant oils in diesel engines, University of Coimbra, June 2023, Supervisors: Cristóvão Silva, and Nuno Lourenço
16. Sayed Alireza Ataie, Effect of hybrid sputtering parameters on microstructure and mechanical properties of W-Ti-C-N thin films, Iran University of Science and Technology, June 2023, Supervisors: Mansour Soltanieh, Rahim Naghizadeh, and Fábio Ferreira
17. Sílvia Carneiro Soares, Nanotheranostic with miRNAs: Applications in Radiotherapy, University of Porto, July 2023, Supervisors: Goreti Sales, Rúben Fernandes and Miguel Correa-Duarte*. <https://repositorio-aberto.up.pt/handle/10216/151802>

18. Sumit Singh Rajput, Development of Ag-doped CrAlN as hard solid lubricant coating for high performance cutting applications, IIT Bhilai, GEC Campus, Sejbahar, Raipur, December 2023, Supervisors: Filipe Fernandes, and Soumya Gangopadhyay

MSc theses

1. Alice Correia Fileno, Métodos e Ferramentas de Dimensionamento de Transportadores de Correia, University of Coimbra, July 2023, Supervisor: Ana Amaro. <https://estudogeral.uc.pt/handle/10316/107958>
2. Amessalu Atenafu Gelaw, Investigation of the Tribological Performance of Multilayer, Nanocomposite, and Monolithic Coatings Based on MoSe₂ and WS₂ in different Environments, University of Coimbra, July 2023, Supervisors: Manuel Evaristo, and Filipe Fernandes. <https://estudogeral.uc.pt/handle/10316/110750>
3. Ana Castro Martins, Study of the mechanical behaviour and cost of bolted joints, University of Coimbra, July 2023, Supervisors: Diogo Neto, and Rui Reis. <https://estudogeral.uc.pt/handle/10316/107944>
4. Ana Luísa Gomes da Silva, Active Power Storage using 3D-Li-ION based thin film cathodes: a novel sputtering technology approach, University of Coimbra, April 2023, Supervisor: Sandra Carvalho. <https://estudogeral.uc.pt/handle/10316/110466>
5. Ana Rita Gonçalves Maia, The Impact of Ergonomics on Performance Improvement in Workcells: A Case Study from the Wooden Furniture Industry, University of Coimbra, July 2023, Supervisor: Samuel Moniz. <https://estudogeral.uc.pt/handle/10316/107886>
6. Ana Rita Mergulho Salvado, Implementation of a Production Line based on Lean Principles, University of Coimbra, September 2023, Supervisor: Samuel Moniz
7. Ana Rita Rodrigues Fernandes, Analysis of the relationship between Circular Economy practices and Sustainable Development Goals, University of Coimbra, September 2023, Supervisors: Vanessa Magalhães, and Luís Ferreira
8. André Bastos dos Santos, Resistência à fadiga de policarbonato reforçado com fibras de carbono, University of Coimbra, February 2023, Supervisors: Paulo N. B. Reis, and José A. M. Ferreira. <https://estudogeral.uc.pt/handle/10316/107828>
9. André Filipe Ferreira Santos, Uma abordagem DMAIC para a redução de defeitos de maquinaria: Um estudo de caso na indústria automóvel, University of Coimbra, September 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/110639>
10. André Garcia, Mechanical and Tribological Characterization of Carbon Fiber Reinforced Polymer (CFRP) for Aerospace Applications, University of Coimbra, July 2023, Supervisor: Luís Vilhena. <https://estudogeral.uc.pt/handle/10316/107814>
11. André Manuel dos Santos Fadiga, Decarbonising Maritime Ports: A Systematic Review of the Literature and Insights for New Research Opportunities, University of Coimbra, July 2023, Supervisor: Luis Miguel D.F. Ferreira, and João Bigotte. <https://estudogeral.uc.pt/handle/10316/110615>

12. André Oliveira Dimas Nobre Rodrigues, Produção de componente híbridos cobre aço inoxidável para utilização em sistemas de arrefecimento industriais, University of Coimbra, July 2023, Supervisors: Carlos Leitão, and Ivan Galvão. <https://estudogeral.uc.pt/handle/10316/107923>
13. André Valentim Costa Fontes, Production and characterization of shape memory films for microeletromechanical systems, University of Coimbra, September 2023, Supervisors: Ana Sofia Ramos, and Patrícia Freitas Rodrigues. <https://hdl.handle.net/10316/110814>
14. Andrea do Canto Dias da Fonseca, 3D printing of biomedical devices for external use, University of Coimbra, July 2023. Supervisor: Ana Paula Piedade. <https://estudogeral.uc.pt/handle/10316/110611>
15. António Leitão Almiro, Fatigue behavior of 7075-T651 aluminium alloy under variable amplitude loading, University of Coimbra, February 2023, Supervisors: José Domingos, and Ricardo Branco. <https://estudogeral.uc.pt/handle/10316/107904>
16. Beatriz Cardoso Oliveira, Analysis of Causes of the Bullwhip Effect: A Cork-stopper Industry case study, University of Coimbra, July 2023, Supervisor: Luis Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/110756>
17. Beatriz Dias Alves, 3D printing of skeletal tissue constructs: from processing to biological evaluation, University of Coimbra, September 2023, Supervisor: Ana Clotilde Fonseca, and Marco Domingos
18. Bruno Filipe dos Santos Pereira, O impacto da introdução de formações lean na aprendizagem dos colaboradores de uma organização do setor aeronáutico, University of Coimbra, July 2023, Supervisor: Luis Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/107906>
19. Bruno Miguel Silva Ferreira Rodrigues, Otimização de processos logísticos na gestão de armazéns de aparelhagem de média e alta tensão, University of Coimbra, February 2023, Supervisor: Telmo Pinto. <https://estudogeral.uc.pt/handle/10316/105975>
20. Bruno Rosas Soares Pereira, Reverse Engineering in the Design and Production of Components through Additive Manufacturing, University of Coimbra, July 2023, Supervisor: Ana Paula Piedade. <https://estudogeral.uc.pt/handle/10316/107928>
21. Camila Marinho Pereira, The Impact of Marketing Standards on Food Waste, University of Coimbra, July 2023, Supervisors: Vanessa Magalhães, and Luís Ferreira. <https://estudogeral.uc.pt/handle/10316/107938>
22. Carlos Filipe Carvalho de Sousa, Sensitivity Analysis of the Bulge Test to Thickness Variability, Coimbra, University of Coimbra, February 2023. Supervisor: André Pereira, and Marta Oliveira. <https://estudogeral.uc.pt/handle/10316/107927>
23. Carolina Filipa Henriques Martins, Integração da norma ISO 50001:2018 no sistema de gestão de uma empresa de fabrico de luvas, University of Coimbra, July 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/107866>
24. Catarina Martins Ventura, Otimização de fluxo e redução do desperdício numa indústria de transformação de madeira, University of Coimbra, July 2023, Supervisor: Luís Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/107838>

25. Daniel Filipe Mateus Pires Silva, Estudo da União de Termoplásticos para Aplicação na Produção de Veículos Elétricos, University of Coimbra, July 2023, Supervisors: Paulo Nobre Balbis dos Reis, and Rui Manuel Ferreira Leal. <https://hdl.handle.net/10316/110630>
26. Daniel Sousa Honório, Desenvolvimento de uma plataforma móvel de apoio à execução de tarefas de manutenção de um Airbus A320, ISEL, November 2023, Supervisors: Ivan Galvão, Pedro Costa, and Hugo Santos. <https://repositorio.ipl.pt/handle/10400.21/17088>
27. Daniel Torres, Low-Frequency Unsupervised Non-Intrusive Load Monitoring for Industrial Loads, University of Coimbra, September 2023, Supervisors: Cristiano Premebida, and Jérôme Mendes*. <https://estudogeral.uc.pt/handle/10316/113097>
28. Dipto Chakrabarti, Investigation of Mechanical and Tribological Performance of 3D-Printed PLA Composites for Biomedical Applications Reinforced by Carbonaceous and Hydroxyapatite fillers, University of Coimbra, July 2023, Supervisor: Bruno Trindade. <https://hdl.handle.net/10316/110542>
29. Domingos António Luís Ferreira, Aumento do uso de tecnologias de corte LASER, quinagem, soldadura e aparafusamento na construção de máquinas industriais, University of Coimbra, July 2023, Supervisor: Ana Amaro
30. Eduardo Alexandre Moreira Matias, Development of a Device for Acquisition of Forces in Welds produced by Friction Stir Welding, University of Coimbra, July 2023, Supervisors: José Domingos, and Miguel Ângelo Reis Pereira. <https://estudogeral.uc.pt/handle/10316/107856>
31. Eduardo António da Silva Moreira, Instalação e Manutenção de Equipamentos na Indústria Farmacêutica, Instituto Superior de Engenharia de Coimbra, April 2023, Supervisor: Luis Filipe Borrego. <http://hdl.handle.net/10400.26/44721>
32. Eva de Sousa Gomes, Otimização de Operações Logísticas: Uma Abordagem Integradora na Indústria Farmacêutica, University of Coimbra, September 2023, Supervisors: Telmo Pinto, and Miguel Vieira. <https://hdl.handle.net/10316/110561>
33. Francisco Filipe Bastos Santos, Synthesis and Characterization of New Coatings for Nuclear Reactors, University of Coimbra, July 2023, Supervisors: Diogo Albano Cavaleiro Ventura de Carvalho, and Hongbo Ju. <https://estudogeral.uc.pt/handle/10316/107848>
34. Francisco Meneses Alves, Efeito do tamanho do sensor na calibração de equipamento ultrassónico, University of Coimbra, July 2023, Supervisores: Mário Santos, and Lorena Petrella. <https://estudogeral.uc.pt/handle/10316/110526>
35. Francisco Nora Páscoa, Balanceamento de uma Linha de Montagem Mista de Cubas para Transformadores de Distribuição Imersos, University of Coimbra, September 2023, Supervisor: Telmo Pinto. <https://hdl.handle.net/10316/110822>
36. Frederico Rio da Cunha Bravo, Avaliação do efeito das mangas compressivas desportivas na vibração sofrida no membro superior, University of Coimbra, February 2023, Supervisor: Ana Amaro, and Maria António Castro. <https://estudogeral.uc.pt/handle/10316/107888>

37. Gonçalo Gouveia, A modular architecture with local processing methodologies for Industrial Cyber-Physical Systems, University of Coimbra, September 2023, Supervisors: Jérôme Mendes, and Rui Araújo*
38. Guilherme Lopes Tassari Soares, Project Management Practices in Collaborative R&D&I projects, University of Coimbra, September 2023, Supervisor: Gabriela Fernandes. <https://estudogeral.uc.pt/handle/10316/110659>
39. Guilherme Santos Mendes, Abordagem Integrada para Melhoria do Processo de Setup de uma Nova Linha de Laminagem, University of Coimbra, July 2023, Supervisor: Luís Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/107890>
40. Hugo José Campinho Fonseca, Studying the Overall Equipment Effectiveness Indicator in the Semiconductor Industry, University of Coimbra, October 2023, Supervisor: Samuel Moniz. https://estudogeral.uc.pt/retrieve/265432/Disserta%C3%A7%C3%A3o_Hugo_Fonseca.pdf
41. Hugo Miguel Ferreira de Melo, Influence of thickness variability in the bulge test. University of Coimbra, July 2023, Supervisors: André Pereira, and José Valdemar Fernandes. <https://estudogeral.uc.pt/handle/10316/107824>
42. Inês Antonieta Duarte Soares, Sustainability in project management practices, University of Coimbra, July 2023, Supervisors: Gabriela Fernandes, and José Santos. <https://estudogeral.uc.pt/handle/10316/107825>
43. Inês Gonçalves Cruz, Materiais de carbono funcionalizados para captação de CO2 e processos catalíticos para a sua valorização, University of Coimbra, July 2023, Supervisors: Rui Carrilho, João Gil, and Fábio Ferreira. <https://estudogeral.uc.pt/handle/10316/107935>
44. Inês Maciel Monteiro de Carvalho, Process Development for the Reduction of Defects on the Optical Bonding technology in the Automotive Industry, University of Coimbra, July 2023, Supervisor: Luis Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/107860>
45. Inês Sofia da Silva Fareleiro, Biomechanical Evaluation of Teeth subjected to Apicoectomy with Different Periodontal Support: A Finite Element Analysis, University of Coimbra, Portugal, September 2023, Supervisors: M.A. Neto, and João Miguel
46. Inês Tavares Silva, Design and fabrication of soft grasping mechanisms, University of Coimbra, September 2023, Supervisor: Pedro Neto. <https://estudogeral.uc.pt/handle/10316/110718>
47. Isaac Edson Gonçalves Gabriel, Influence of the blank thickness variability on the stamping process of a cylindrical cup, University of Coimbra, July 2023, Supervisors: André Pereira, and Marta Oliveira
48. Ivo Ribeiro Marques, Efeito do Envelhecimento no Desempenho Mecânico de Protetores Buciais, University of Coimbra, September 2023, Supervisors: Ana Amaro, and Paulo Reis. <https://estudogeral.uc.pt/handle/10316/110600>

49. Joana Boa-Alma Pais. Efeito da fisioterapia na dor crónica pélvica. Polytechnic University of Coimbra. June 2023, Supervisor Maria António Castro. <http://hdl.handle.net/10400.26/46185>
50. Joana de Oliveira Andrade, An integrated model of strategy deployment and Six Sigma: a case study, University of Coimbra, July 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/110826>
51. Joana Filipa Ladeira Seabra, Use of solid-state polymerization as an aid in fingerprint visualization, University of Coimbra, September 2023, Supervisor: Arménio Serra. <https://hdl.handle.net/10316/110502>
52. Joana Sofia de Brito Vieira, Revestimentos Antimicrobianos para aplicação em tecidos de uso hospitalar, University of Coimbra, July 2023, Supervisor: Sandra Carvalho. <https://estudogeral.uc.pt/handle/10316/107926>
53. Joana Sofia Rosado Martins, Photonic protein-based hydrogel for sensing microRNAs in extracellular vesicles, University of Coimbra, February 2023, Supervisor: Manuela Frasco, and Goreti Sales. https://estudogeral.uc.pt/handle/10316/107952*
54. João António Amado Cerveira da Maia, Critical Success Factors of University-Industry Collaborative Projects, University of Coimbra, February 2023, Supervisor: Gabriela Fernandes. <https://estudogeral.uc.pt/handle/10316/107837>
55. João Daniel Durães Antunes, Implementação de projetos de melhoria de processos de fabrico na indústria automóvel, ISEL, November 2023, Supervisor: Ivan Galvão. <https://repositorio.ipl.pt/handle/10400.21/17058>
56. João Filipe Areal Vasconcelos, Evaluation of tribological performance of several polymeric materials processed by 3 printing, University of Coimbra, February 2023, Supervisor: Ana Paula Piedade. <https://estudogeral.sib.uc.pt/handle/10316/36972>
57. João Filipe Gonçalves Alves, Modelos de previsão de vida à fadiga da liga Ti6Al4V obtida por manufatura aditiva, ISEL, November 2023, Supervisor: Teresa Morgado, Ivan Galvão, and Mário Pereira
58. João Luís Machado Tavares, Evaluation of the structural behaviour of old railway bridges based on damage accumulation models, University of Coimbra, September 2023, Supervisors: Ricardo Branco, and João Pedro Martins. <https://hdl.handle.net/10316/110731>
59. João Neves Pacau, Aplicação do ciclo DMAIC para a melhoria de um processo de maquinagem, University of Coimbra, September 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/110736>
60. João Pedro Henriques Ferreira, Otimização para a minimização do desperdício no setor de estiragem de perfis de aço, University of Coimbra, July 2023, Supervisor: Telmo Pinto. <https://hdl.handle.net/10316/107957>
61. João Pedro Teixeira Marques, Avaliação numérica e experimental de uma nova geometria da plataforma de um patim, University of Coimbra, June 2023, Supervisor: Ana Amaro. <https://estudogeral.uc.pt/handle/10316/107943>

62. João Sousa, Calibration of Two-Dimensional Wildfire Propagation Model Using Metaheuristic Algorithms, University of Coimbra, July 2023, Supervisors: Jérôme Mendes, and Rui Araújo. <https://estudogeral.uc.pt/handle/10316/107891>*
63. José Maria Andrade Gil Borges de Castro, Desenvolvimento e avaliação de uma ferramenta progressiva de corte e estampagem, com sistema de roscagem, para a produção de componentes do setor elétrico, ISEL, November 2023, Supervisor: Ivan Galvão. <https://repositorio.ipl.pt/handle/10400.21/17092>
64. José Miguel Craveiro Santana, Study of the pre-strain effect on the fatigue behaviour of WE43 magnesium alloy, University of Coimbra, July 2023, Supervisors: Ricardo Branco, and José Domingos Costa. <https://hdl.handle.net/10316/107812>
65. Khrystyna Voytovych, Otimização de uma Linha de Montagem na Indústria Automóvel, University of Coimbra, September 2023, Supervisor: Telmo Pinto. <https://hdl.handle.net/10316/110481>
66. Leticia Goulart de Almeida Braga, Reconfiguração de um Sistema de Gestão da Inovação Suportado por um Sistema de Gestão de Projetos: Estudo de Caso, University of Porto, November 2023, Supervisors: José Rodrigues, and Gabriela Fernandes. <https://repositorio-aberto.up.pt/handle/10216/155396>
67. Lucas Blaudt Aguiar, Development of a prototype of a biomechanical device for assessment of the “Sit-to-Stand” movement, Polytechnic University of Coimbra, March 2023, Supervisor: Luis Roseiro. <https://comum.rcaap.pt/handle/10400.26/44407>
68. Mafalda Mendes dos Santos Maia, The challenges and opportunities in the paper industry planning: Office formats, University of Coimbra, October 2023, Supervisor: Samuel Moniz. <https://estudogeral.uc.pt/handle/10316/110677>
69. Manuel Gama Pinto, Mechanical properties of industrial additive manufactured polymers (SLS), University of Coimbra, February 2023, Supervisor: Ana Paula Piedade. <https://estudogeral.uc.pt/handle/10316/107941>
70. Manuel Mansilha, Online estimation of particle fineness in a dynamic separator in the grinding process, University of Coimbra, September 2023, Supervisors: Jaime Silva, and Jérôme Mendes. <https://estudogeral.uc.pt/handle/10316/110541> *
71. Marcelo Oliveira Matos, Implementation of Business Intelligence Tools in the Renewable Energy Industry, University of Coimbra, September 2023, Supervisor: Samuel Moniz. <https://estudogeral.uc.pt/handle/10316/110531>
72. Maria Beatriz Leite Costa, Melhoria do Sistema de Gestão de Armazenamento e Inventário: Caso Amorim Cork, S.A., University of Coimbra, July 2023, Supervisors: Gabriela Fernandes, and Telmo Pinto. <https://hdl.handle.net/10316/110803>
73. Maria Francisca Cruzeiro Nabais, Implementation of a quality management module in a Manufacturing Execution System, University of Coimbra, July 2023, Supervisor: Samuel Moniz. <https://estudogeral.uc.pt/handle/10316/107836>
74. Maria Inês Botelho Gonçalves Ferreira, Lean Manufacturing Applied to Production Ramp-up and Layout Improvement, University of Coimbra, July 2023, Supervisor: Gabriela Fernandes. <https://estudogeral.uc.pt/handle/10316/110623>

75. Maria Inês Rodrigues Sampaio França, Continuous Improvement Strategies in the Flow of Materials and Information: An Application in the Cork Industry, University of Coimbra, September 2023, Supervisor: Vanessa Magalhães. <https://estudogeral.uc.pt/handle/10316/110572>
76. Maria Teresa Correia Sollari Allegro, Storage solution to reduce customer quality complaints in perishable products, University of Coimbra, February 2023, Supervisor: Gabriela Fernandes. <https://estudogeral.uc.pt/handle/10316/105991>
77. Mariana Carolina Pinto Lopes, Implementation of OEE as a support tool for the integration of Lean methodologies in a new pharmaceutical factory, University of Coimbra, July 2023, Supervisor: Samuel Moniz. <https://estudogeral.uc.pt/handle/10316/110495>
78. Mariana Costa Santos, Development of a Fixing and Adjusting Device for Chevron Osteotomy, University Polytechnic of Coimbra, July 2023, Supervisor: Luis Roseiro. <https://comum.rcaap.pt/handle/10400.26/46224>
79. Mário Jorge Simões, Operational Research Models for Kitting Systems in the Warehouse of the Future, University of Coimbra, September 2023, Supervisors: Telmo Pinto and Cristóvão Silva. <https://hdl.handle.net/10316/110833>
80. Marta Luísa Nobre Jacinto, *Projeto de braço de elevação de carga para um veículo florestal elétrico*, University of Coimbra, July 2023, Supervisors: Carlos Viegas, and Fernando Antunes. <https://hdl.handle.net/10316/110463>
81. Marta Martins Raposo, Desenvolvimento de Modelo para Simulação de Cirurgia Cardíaca Baseado em Impressão 3D, July 2023, Supervisor: Ana Amaro. <https://estudogeral.uc.pt/handle/10316/107946>
82. Matilde Esteves Roque, Implementação de ferramentas lean e de indicadores de desempenho na indústria corticeira, University of Coimbra, July 2023, Supervisors: Telmo Pinto, and Bruno Gonçalves. <https://hdl.handle.net/10316/107914>
83. Md Masbah UL Hakim, Tribological performance of 3D printed plastics coated with self-lubricating coatings, University of Coimbra, July 2023, Supervisors: Albano Cavaleiro, and Todor Vuchkov. <https://estudogeral.uc.pt/handle/10316/110480>
84. Miguel Antunes Ferreira, Otimização do portefólio de clientes através da aplicação de um algoritmo genético, University of Coimbra, July 2023, Supervisor: Luis Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/110798>
85. Miguel Confraria Martins, Mechanical behaviour of materials for external biomechanics applications study on the fatigue of polymers: PLA and PETG, New University of Lisbon, November 2023, Supervisors: Rui Martins, and Ricardo Branco. <http://hdl.handle.net/10362/161479>
86. Miguel Ferreira Gomes, Additive Manufacturing of Components for Optical Industry through Facial Modeling, University of Coimbra, July 2023, Supervisor. Ana Paula Piedade. <https://estudogeral.uc.pt/handle/10316/107913>
87. Miguel José Teixeira Gomes, Production of Ti6Al4V based objects by material extrusion, University of Coimbra, September 2023, Supervisors: Ana Sofia Ramos, and Fábio da Silva Cerejo

88. Mohammadamin Sadeghi, Tribological Behavior of Doped DLC Coatings in the Presence of Ionic Liquid Additive under Different Lubrication Regimes, University of Coimbra, July 2023, Supervisor: Fábio Ferreira. <https://estudogeral.uc.pt/handle/10316/110665>
89. Nicolau Mendes Gomes, Avaliação da Resposta Estrutural de Ligações Dissimilares Produzidas por Friction Stir Welding, July 2023, University of Coimbra, Supervisor: Ana Amaro
90. Nicole Gabriela Santos Duarte, Vision-based classification of mobile phone PCB components, University of Coimbra, September 2023, Supervisors: Pedro Neto, and Lino Marques. <https://estudogeral.uc.pt/handle/10316/110697>
91. Nuno Diogo Pargana Mateus. Influência da distribuição do peso molecular de copolímeros de bloco catiónicos no seu desempenho como vetores de entrega de material genético para tratamento do cancro. University of Coimbra, September 2023, Supervisors: Patrícia Mendonça, and Fani Sousa. <https://estudogeral.uc.pt/handle/10316/110647>
92. Patrícia Isabel da Costa Martins, Otimização do Processo de Corte e Empacotamento Bidimensional na Indústria de Mobiliário: Estratégias Integradas para a Redução de Desperdícios, University of Coimbra, September 2023, Supervisor: Telmo Pinto. <https://hdl.handle.net/10316/110797>
93. Pedro Ângelo Martins da Cunha Ribeiro Pinto, Assessment of the Mechanical Performance of Components Processed Through Additive Manufacturing, University of Coimbra, September 2023, Supervisor: Ana Paula Piedade. <https://estudogeral.uc.pt/handle/10316/110769>
94. Pedro Miguel Rolo Pereira, Development of coatings [DLC] for the automotive industry to improve the performance of Internal Combustion Engines, University of Coimbra, July 2023, Supervisors: Ricardo Serra, and João Carlos Oliveira. <https://hdl.handle.net/10316/110804>
95. Pedro Miguel Sequeira Rosado, Melhoria de um processo de mudança de fabrico aplicando um método SMED modificado: um estudo de caso em prensas de corte e conformação, University of Coimbra, July 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/110786>
96. Pedro Rafael Coelho Ferreira, Aplicações Industriais com Robôs Colaborativos, University of Coimbra, September 2023, Supervisors: Maria Augusta Neto, and Nelson Trindade
97. Raúl Miguel Ribeiro Fernandes, Estudo da ligação metal/polímero através de impressão 3D, University of Coimbra, September 2023, Supervisors: Carlos Leitão, and Ivan Galvão. <https://hdl.handle.net/10316/110669>
98. Renata Ferreira Correia, Influência da distribuição do peso molecular de polímeros catiónicos na sua atividade antimicrobiana, University of Coimbra, September 2023, Supervisors: Patrícia Mendonça, and Rita Branco. <https://estudogeral.uc.pt/handle/10316/110608>

99. Ricardo Filipe Rei André, Fatigue crack growth: Confrontation of numerical predictions with experimental results, University of Coimbra, July 2023, Supervisors: Diogo Neto, and Edmundo Sérgio. <https://hdl.handle.net/10316/107877>
100. Ricardo Manuel Pimenta Fernandes, Desenvolvimento de dashboards para medição e monitorização contínua de equipamentos e processos na indústria metalomecânica, University of Coimbra, July 2023, Supervisor: Telmo Pinto. <https://hdl.handle.net/10316/107830>
101. Rúben José Ferreira Marques, Estudo SMED na Secção das Prensas da SramPort, Instituto Superior de Engenharia de Coimbra, March 2023, Supervisor: Luís Filipe Borrego. <https://comum.rcaap.pt/handle/10400.26/44410>
102. Rui Carvalho da Eira, The influence of irrigation on the polishing protocols of composite resins: an in vitro study, University of Coimbra, July 2023, Supervisor: Luís Vilhena. <https://estudogeral.uc.pt/handle/10316/111533>
103. Rui Miguel Henggeler Duarte, *Metodologias de melhoria contínua na área comercial*, University of Coimbra, July 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/110709>
104. Sandesh Prasad Itani, Mg-Zr sputtered coatings: Towards biodegradable material for temporary bone implants, University of Coimbra, July 2023, Supervisors: Ana Sofia Ramos, and Sandra Maria Carvalho. <https://hdl.handle.net/10316/110675>
105. Sara Margarida Santos e Silva, *Estudo da variabilidade e otimização do processo de formulações químicas utilizadas num processo industrial*, University of Coimbra, July 2023, Supervisor: Cristóvão Silva. <https://estudogeral.uc.pt/handle/10316/110831>
106. Shahsharif Mohammadshafi Shaikh, Tribological Performance of Gd-DLC and Eu-DLC Coatings in the Presence of Ionic Liquid Additives Under Different Temperatures, University of Coimbra, July 2023, Supervisor: Fábio Ferreira. <https://estudogeral.uc.pt/handle/10316/110791>
107. Sílvia Sofia da Silva Santos, Robot-based automated disassembly of mobile phone PCB components, University of Coimbra, July 2023, Supervisors: Pedro Neto and Lino Marques. <https://estudogeral.uc.pt/handle/10316/110622>
108. Syukri Ainun Alfath, I Decorative TiNxOy Coatings on Polymer Substrates for the Automotive Industry, University of Coimbra, July 2023, Supervisor: Sandra Carvalho. <https://estudogeral.uc.pt/handle/10316/110771>
109. Tatiana Maria da Fonseca Amaral, Fitting of removable partial denture frameworks obtained using conventional impression techniques or intraoral scanning: study protocol for a randomized clinical trial, University of Coimbra, July 2023, Supervisor: Ana Messias. <https://estudogeral.uc.pt/handle/10316/111551>
110. Thamyres Mourão Cavalcante, Efeito agudo da libertação miofascial na ativação muscular do movimento de snatch/arranco, Polytechnic University of Coimbra, June 2023, Supervisor: Maria António Castro. <http://hdl.handle.net/10400.26/46184>
111. Tiago Miguel Salgueiro Galiza, Effect of Geometric Parameters on Fatigue Crack Growth, University of Coimbra, July 2023, Supervisors: Diogo Neto, and Joel Jesus. <https://hdl.handle.net/10316/107908>

112. Tiago Moreira Gomes, Avaliação da resistência residual após impacto em provetes em abs produzidos por fabrico aditivo, University of Coimbra, September 2023. Supervisor: Ana Amaro e Paulo Reis. <https://estudogeral.uc.pt/handle/10316/110515>
113. Tomás Gaspar Parreira, Identification of sheet metal constitutive parameters using metamodeling of the biaxial tensile test on a cruciform specimen, University of Coimbra, July 2023, Supervisors: André Pereira, and Pedro Prates. <https://estudogeral.uc.pt/handle/10316/107819>
114. Tomás Nunes Amaral Rodrigues Craveiro, Strategy Formulation for An Industrial Ecosystem Development, University of Coimbra, July 2023, Supervisor: Gabriela Fernandes. <https://estudogeral.uc.pt/retrieve/265428/Disserta%C3%A7%C3%A3o%20Tom%C3%A1s.pdf>
115. Yuxin Sun, The impact of safety leadership on personal safety behavior in manufacturing - the moderating role of work pressure, University of Coimbra, July 2023, Supervisor: Luis Miguel D.F. Ferreira. <https://estudogeral.uc.pt/handle/10316/110503>
116. Zeferino Sapalo Bungululo Pedro, Desenvolvimento de sensores eletroquímicos preparados em solventes eutéticos novos, University of Coimbra, September 2023, Supervisor: Christopher Brett. <https://estudogeral.uc.pt/handle/10316/110846>

Software/algorithmic

1. NFN-LSTM Toolbox - A toolbox for regression using a hybrid model using a neo-fuzzy neuron system with LSTM*
2. Eye Scan Ultrasound System For Estimation Of Phacoemulsification Energy, And Operation Metod Thereof

Laboratory prototypes

1. *Bioreatores membranares para remediação e rentabilização de águas de Portos*
2. Equipment to evaluate the Timken OK load, which describe the load-carrying capacity of a lubricant
3. Eye Scan Ultrasound System - System for eye cataract characterization, namely cataract type and severity classification, hardness, and phacoemulsification energy estimates.
4. Eye Scan Ultrasound System for Estimation of Phacoemulsification Energy, and Operation Metod Thereof.

Patents

1. International Patent N° 2020167153, *Dispositivo biomecânico para controlo da força em restaurações dentárias* - Polytechnic University of Coimbra + RF & LF - Dentistry Design Studio, Lda, L. Roseiro, R. Falacho, M. Silva, and M. Esteves (Patent Registration Granted: 30-01-2023)
2. National Patent (China), CN112609155B, A wide temperature range self-lubricating nanostructure thin film material with high service life – H. Ju (Patent Registration Granted: 16-06-2023)
3. Nacional Patent (China), CN112609156B, Wide temperature range self lubricating film material with thermal cycling service capability and its preparation method – H. Ju (Patent Registration Granted: 12-09-2023)
4. Nacional Patent (China), CN112609157B, A wide temperature range self-lubricating nano multilayer film material and preparation method – H. Ju (Patent Registration Granted: 16-06-2023)
5. Nacional Patent (China), CN114012151B, A milling cutter for manufacturing keys that extend horizontally within a lock hole and its processing method publication – H. Ju (Patent Registration Granted: 20-06-2023)
6. Nacional Patent (China), CN114086122B, Ceramic based gradient coating and preparation method based on high film substrate bonding force on copper substrate – H. Ju (Patent Registration Granted: 20-06-2023)
7. Nacional Patent (China), CN114107928B, Copper gear quenching induction sensor ceramic coating and preparation method thereof – H. Ju (Patent Registration Granted: 20-06-2023)
8. National Provisional Patent Application, *Material e membrana termossensível e seu uso* – J.M.D.V.P.M. Sarmento, R.F.P. Martins, A.N.C. Pereira, F.T.C. Moreira, J.F.J. Coelho, M.G.F. Sales, and A.P.T. Moreira (2023)
9. Provisional European Patent Application - EP23169083, Coating Composition For Preventing The Progression Of Diabetic Foot Wounds, Methods And Uses Thereof - Escola Superior de Enfermagem de Coimbra - A. Oliveira, J. Apóstolo, L. Sousa, P. Parreira, I. Almeida, R. Baptista, ICC - Indústrias E Comércio De Calçado, T. Leita, Universidade do Minho – M. Henriques, I. Carvalho, A. Catarino, F. Duarte, R. Bernardes, A. Santos, J. Viana, A. Rocha, N. Oliveira, Universidade de Coimbra – S. Carvalho (2023)
10. Provisional National Patent n° 20232004600144, Device to Assess Foot Force, Upper Limbs Vertical Force and Gripping Force During the Sit-to-Stand Movement - Polytechnic of Coimbra – L. Roseiro, L. Aguiar, J. Lains, and M. Wendland (2023)
11. Provisional National Patent n° 20232004695462 (Process INPI 118581 M), *Dispositivo de Detecção de Mordida de Peixe para Pesca Desportiva e seu Método de Funcionamento* - Polytechnic of Coimbra – L. Roseiro, M. Santos, and F. Santos (2023)

12. Provisional National Patent nº 20232004897969 (Process INPI 118638 N), *Dispositivo de Fixação e Regulação para Osteotomia de Chevron* - Polytechnic of Coimbra – L. Roseiro, M. Santos, E. Seíça, and P. Carvalhais (2023)
13. Provisional National Patent nº 20232005011297 (Process INPI 118699 C), *Dispositivo Biomecânico para Auxílio na Recuperação de Pacientes com Estabilização de Membros Inferiores* - Polytechnic of Coimbra – L. Roseiro, V. Maranhã, F. Moita, and M. Silva (2023)
14. Provisional National Patent nº 20232005031300 (Process INPI 118707 K), *Dispositivo para Avaliação da Força de Prensão dos Dedos da Mão e da Força da Mordida* - Polytechnic of Coimbra – L. Roseiro, V. Maranhã, M. Santos, and L. Pardal (2023)
15. Provisional National Patent nº 20232005666945 (Process INPI 118446), *Dispositivo Barrador de Gordura Alimentar no Estado Sólido (Manual Version)* - Polytechnic of Coimbra – L. Roseiro, V. Maranhã, M. Silva, P. Amaro, and P. Maia (2023)
16. Provisional National Patent nº 20232005667039 (Process INPI 118447), *Dispositivo Barrador de Gordura Alimentar no Estado Sólido (Automatic Version)* - Polytechnic of Coimbra – L. Roseiro, V. Maranhã, M. Silva, P. Amaro, and P. Maia (2023)
17. Provisional Patent Application nº 119064, INPI, Multiphase thin film coatings design and concept using grazing deposition to maximize the active areas for H₂ production and/or CO₂ capture - University of Coimbra – D. Cavaleiro, J. Castro, S. Carvalho, A. Cavaleiro, IPN – J.P. Dias, S. Cruz, Universidade do Minho – M. José (2023)
18. Provisional Patent Application nº 20232004459813, INPI, Vacuum insulation panel core based on a recycled inorganic waste powder material - Instituto Pedro Nunes – J.N.C.M. Corker, M.M. Gonçalves, I. Marques, and M. Fan (2023)
19. Provisional Patent Application nº 20232004994512, INPI, Tool holder with clamp connector for cutting inserts with embedded sensor - Instituto Pedro Nunes – B. Martins (2023)
20. Provisional Patent Application nº 20232005095338, INPI, Decorative and Functional Coatings Deposited on Polymers by an Environmental and Healthy Technology - University of Coimbra & Instituto Pedro Nunes – S. Carvalho, A. Cavaleiro, J. Dias, N. Figueiredo, F. Ponte, P. Sharma, and J. Castro (2023)
21. Provisional Patent Application nº 20232005708953, código 0165, National Invention Patente nº 119172, Bacterial Biopolymer Formulation Suitable For The Treatment Of Wastewater With Suspended Solids, Methods Of Producing And Using The Same - University of Coimbra – P.V. Morais, A.P. Chung, and Solancis SA (2023)

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