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João Cordeiro



Teaching Activities				
Teaching Year	Sem.	Course Name	Degree(s)	Coord
2025/2026	2º	Advanced Topics in Deep Learning	Post Graduation Program in Applied Machine Learning;	No
2025/2026	1º	Deep Learning Fundamentals	Post Graduation Program in Applied Machine Learning;	No
2023/2024	2º	Algorithm Design and Analysis	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering;	No
2023/2024	2º	Computing for Economics and Business	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2023/2024	1º	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2023/2024	1º	Data in Science, Bussiness and Society	Bachelor Degree in Data Science (PL); Bachelor Degree in Data Science;	No
2022/2023	2º	Algorithm Design and Analysis	Bachelor Degree in Computer Engineering;	No

2022/2023	2º	Computing for Economics and Business	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
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Total Citations

Web of Science®	71
Scopus	90

Publications

• Scientific Journals

- Scientific journal paper

1	Mascarenhas, M., Mendes, F., Cordeiro, J. R., Mota, J., Martins, M., Almeida, M. J....Santander, C. (2026). Artificial intelligence and FLIP panometry: Automated classification of esophageal motility patterns. Journal of Clinical Medicine. 15 (1)
2	Mascarenhas, M., Mota, J., Cordeiro, J. R., Mendes, F., Martins, M., Cardoso, P....Santander, C. (2025). Artificial intelligence driven diagnosis of motility patterns in high-resolution esophageal manometry: A multicentric multidevice study. Clinical and Translational Gastroenterology. 16 (12) - Times Cited Web of Science®: 3 - Times Cited Google Scholar: 3
3	Mascarenhas, M., Mendes, F., Mota, J., Ribeiro, T., Cardoso, P., Martins, M....Santander, C. (2025). Artificial intelligence as a transforming factor in motility disorders-automatic detection of motility patterns in high-resolution anorectal manometry. Scientific Reports. 15 (1) - Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
4	Cordeiro, J., Mosca, S., Correia-Costa, A., Ferreira, C., Pimenta, J., Correia-Costa, L....Postolache, O. (2023). The association between childhood obesity and cardiovascular changes in 10 years using special data science analysis. Children. 10 (10) - Times Cited Web of Science®: 2 - Times Cited Scopus: 3 - Times Cited Google Scholar: 5
5	Cordeiro, J., Raimundo, A., Postolache, O. & Sebastião, P. (2021). Neural architecture search for 1D CNNs - Different approaches tests and measurements. Sensors. 21 (23), 7990 - Times Cited Web of Science®: 48 - Times Cited Scopus: 60 - Times Cited Google Scholar: 83
6	Cordeiro, J., Postolache, O. & Ferreira, J. (2019). Child's target height prediction evolution. Applied Sciences. 9 (24) - Times Cited Web of Science®: 6 - Times Cited Scopus: 7 - Times Cited Google Scholar: 9

• **Conferences/Workshops and Talks**

- **Publication in conference proceedings**

1	Mendes, F., Miguel Mascarenhas Saraiva, Joana Mota, João Rala Cordeiro, Miguel Martins, Maria João Almeida...Guilherme Macedo (2025). S1103Advancing GI Motility With AI: A Transatlantic Multicentric Study of Cross-Site and Cross-Device Manometry Analysis. In American Journal of Gastroenterology. (pp. S238-S238).: Ovid Technologies (Wolters Kluwer Health).
2	Miguel Mascarenhas Saraiva, Mendes, F., Joana Mota, João Rala Cordeiro, Miguel Martins, Maria João Almeida...Guilherme Macedo (2025). S1038Artificial Intelligence in FLIP Panometry: Multicentric Validation for Esophageal Motility Pattern Recognition. In American Journal of Gastroenterology. (pp. S224-S224).: Ovid Technologies (Wolters Kluwer Health).
3	Miguel Mascarenhas, Mendes, F., Mota, J., Ribeiro, T., Cardoso, P., Martins, M....Santander, C. (2024). Artificial intelligence as a transforming factor in motility disorders: Automatic detection and differentiation of motility patterns in high-resolution anorectal manometry. In American Journal of Gastroenterology. (pp. S558-S558). Pennsylvania: Lippincott Williams & Wilkins.
4	João Rala Cordeiro & Postolache, O. (2021). Length of stay analysis at neonatal care units with data science: Preliminary results. In 2021 IEEE International Symposium on Medical Measurements and Applications (MeMeA). Virtual, Lausanne: IEEE. - Times Cited Scopus: 1 - Times Cited Google Scholar: 3
5	Postolache, O., Teixeira, L., Cordeiro, J., Lima, L., Arriaga, P., Rodrigues, M....Girão, P. (2019). Tailored virtual reality for smart physiotherapy. In 2019 11th International Symposium on Advanced Topics in Electrical Engineering. (pp. 1-6). Bucarest: IEEE. - Times Cited Web of Science®: 10 - Times Cited Scopus: 12 - Times Cited Google Scholar: 21
6	João Rala Cordeiro & Postolache, O. (2018). Big data storage for a health predictive system. In 2018 International Symposium in Sensing and Instrumentation in IoT Era, ISSI 2018. Shanghai: IEEE. - Times Cited Scopus: 5 - Times Cited Google Scholar: 9