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Contacts

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Research Interests

Artificial Intelligence; Natural Language Processing; Intelligent Agents; Conversational Agents; Healthcare

Academic Qualifications

University/Institution	Type	Degree	Period
Universidade NOVA de Lisboa Faculdade de Ciências e Tecnologia	PhD	Engenharia Industrial	2025
Universidade NOVA de Lisboa Faculdade de Ciências e Tecnologia	Integrated M.Sc.	Engenharia Biomédica	2018

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2025/2026	2º	Text Mining		No
2025/2026	2º	Introduction to Artificial Intelligence	Bachelor Degree in Software and Applications Development;	No

2025/2026	2º	Medical Text Processing	Bachelor Degree in Digital Technologies and Health;	No
2025/2026	1º	Text Mining	Bachelor Degree in Digital Technologies and Artificial Intelligence;	No
2025/2026	1º	Introduction to Artificial Intelligence	Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Digital Technologies and Automation;	No
2025/2026	1º	Generative Language Models	Post Graduation Program in Applied Machine Learning;	No
2024/2025	2º	Text Mining		No
2024/2025	1º	Text Mining	Bachelor Degree in Digital Technologies and Artificial Intelligence;	No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Manuel Lencastre Torres Gonçalves Henriques	Is it possible to predict the best time to perform follicular aspiration by integrating clinical, hormonal and ultrasound data into predictive models?	--	Developing	Iscte

• M.Sc. Final Projects

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Maria Laura Marques Costa	IA in practice for trainers: strategies for interactive online training	--	Developing	Iscte
2	Paula Alexandra De Sousa Freire	Digital Literacy in the use of AI tools in trainer education: Pre and post training intervention study	--	Developing	Iscte

Total Citations

Web of Science®	27
Scopus	27

Publications

• Scientific Journals

- Scientific journal paper

1	Martins, A., Lapão, L. V. , Nunes, I., Giordano, A. P., Semedo, H. , Vital, C. ...Londral, A. (2024). A conversational agent for enhanced Self-Management after cardiothoracic surgery. International Journal of Medical Informatics. 192 - Times Cited Scopus: 1 - Times Cited Google Scholar: 2
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- Review article

1	Martins, A., Londral, A., Nunes, I. & Lapão, L. V. (2024). Unlocking human-like conversations: Scoping review of automation techniques for personalized healthcare interventions using conversational agents. International Journal of Medical Informatics. 185 - Times Cited Web of Science®: 24 - Times Cited Scopus: 26 - Times Cited Google Scholar: 38
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• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Martins, A., Nunes, I., Lapão, L. & Londral, A. (2023). Designing a digital personal coach to promote a healthy diet and physical activity among patients after cardiothoracic surgery. In Proceedings of the 16th International Joint Conference on Biomedical Engineering Systems and Technologies. (pp. 595-602). Lisboa: SciTePress. - Times Cited Google Scholar: 1
2	Pedro, D., Cardoso, M., Guede-Fernandez, F., Martins, A. & Londral, A. (2022). Remote patient monitoring systems based on conversational agents for health data collection. In Nathalie Bier; Ana Fred and Hugo Gamboa (Ed.), Proceedings of the 15th International Joint Conference on Biomedical Engineering Systems and Technologies. (pp. 812-820).: SciTePress. - Times Cited Web of Science®: 3 - Times Cited Google Scholar: 5

• Other Publications

- Other publications

1	Martins, A., Londral, A. & L. V. Lapão (2022). Behaviour change interventions based on automated and tailored communication systems to improve health outcomes in adult chronic patients: a systematic review.
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