



Laboratory Name	Quantitative Methods for Health Research (MQIS)	
Main Goals	<p>The Quantitative Methods for Health Research Unit (MQIS) has been established in October 2015 and it gathers a group of faculty and researchers who coordinate curricular units in the areas of Statistics and Research Methods taught at Egas Moniz. The aim of this research unit is to provide support in such areas, for the design, data analysis and dissemination of results produced by research projects conducted in the thematic areas of CiiEM, as well training of highly qualified personnel enrolled in the PhD program in Biomedical Sciences.</p> <p>The MQIS unit provides the following services:</p> <ul style="list-style-type: none">• Assessment of the adequacy of research methodologies and methods of data analysis to the objectives of a research project.• Sample size determinations in view of specific research objectives.• Supervision of collected data management in a research project.• Selection of appropriate statistical techniques and software tools for specific project needs.• Statistical analysis of research data.• Supervision of graphical representation of research data.• Supervision in the writing of the statistics session of research reports, PhD theses, manuscripts for submission and congress communications.	



Lab Head	José Brito, PhD
Group	Alexandra Bernardo (PhD) Luís Proença (PhD) Rui Martins (PhD)
Senior Researchers	Alexandra Bernardo (PhD) José Brito (PhD) Luís Proença (PhD) Rui Martins (PhD)
PhD Students	

Research Projects (from 2013)	<p>Given its objectives, the MQIS provides support to research projects undertaken by research teams at CiiEM. Some of the projects are:</p> <ol style="list-style-type: none">1. 2017 – 2020, “Design Molecular para Restauração Dentária” - FCT/P2020 24288. Fundação Ciência e Tecnologia, Portugal (José Brito, ad Co-Investigator)2. 2013 – 2015, “A molecular view of dental restoration” - PTDC/SAU-BMA/122444/2010, FCT, Portugal. (Co-Investigator)
Publications (10 most relevant, last 5 years)	<ol style="list-style-type: none">1. Botelho J, Machado V, Proença L, Rua J, Delgado A, Mendes JJ., Cloud-based collaboration and productivity tools to enhance self-perception and self-evaluation in senior dental students: A pilot study, Eur J Dent Educ. 2019 Feb;23(1):e53-e58. doi: 10.1111/eje.12400.2. Machado V, Botelho J, Amaral A, Proença L, Alves R, Rua J, Cavacas MA, Delgado AS, Mendes JJ., Prevalence and extent of chronic periodontitis and its risk factors in a Portuguese subpopulation: a retrospective cross-sectional study and analysis of Clinical Attachment Loss, PeerJ. 2018 Jul 24;6:e5258. doi: 10.7717/peerj.5258.3. Machado V, Botelho J, Pereira D, Vasques M, Fernandes-Retto P, Proença L, Mendes JJ, Delgado A., Bolton ratios in Portuguese subjects among different malocclusion groups, J Clin Exp Dent. 2018 Sep 1;10(9):e864-e868. doi: 10.4317/jced.54977.



4. Joana Vasconcelos e Cruz, José Brito, Mário Polido & Luísa L. Gonçalves (2018): A new experimental adhesive system containing G-IEMA – physicochemical properties, *Journal of Adhesion Science and Technology*, DOI: 10.1080/01694243.2018.1539154
5. Ana Lousinha, Maria João R. Oliveira, Gonçalo Borrecho, José Brito, Pedro Oliveira, António Oliveira de Carvalho, Diamantino Freitas, Artur P. Águas, Eduardo Antunes (2018). Infrasonnd induces coronary perivascular fibrosis in rats, *Cardiovascular Pathology*, doi: 10.1016/j.carpath.2018.10.004
6. Machado, Vanessa; Mesquita, Maria Fernanda; Bernardo, Maria Alexandra; et al., IL-6 and TNF- α salivary levels according to the periodontal status in Portuguese pregnant women, *PeerJ* Volume: 6 Pages: e4710 (2018), DOI: 10.7717/peerj.4710
7. Francisco Martin, Claudia Palladino, Rita Mateus, Anna Bolzan, Perpétua Gomes, José Brito, Ana Patrícia Carvalho, Yolanda Cardoso, Cristovão Domingos, Vanda Sofia Lôa Clemente, Nuno Taveira (2017), Early infant diagnosis of HIV-1 infection in Luanda, Angola, using a new DNA PCR assay and dried blood spots, *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0181352>.
8. da Costa, F.A.; Teixeira, I.; Duarte-Ramos, F.; et al., Effects of economic recession on elderly patients perceptions of access to health care and medicines in Portugal, *International Journal of Clinical Pharmacy* Volume: 39 Issue: 1 Pages: 104-112 (2017), DOI: 10.1007/s11096-016-0405-3.
9. Santos, Carla A; Brito, José A. A., Fonseca, Jorge (2016), Malnutrition and clinical outcome of 234 head and neck cancer patients that underwent percutaneous endoscopic gastrostomy, *Nutrition and Cancer*, 68: 589 - 597.
10. Ricardo C Alves, Sérgio A Félix, Alberto Rodriguez-Archilla, Pedro Oliveira, José Brito and José Martins dos Santos (2015), Relationship between menopause and periodontal disease: A cross-sectional study in a Portuguese population. *International Journal of Clinical and Experimental Medicine* 08/2015; 8(7).

Equipment/Techniques	
Announcements	



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Some Pictures	
Location	
Links	http://ciem.egasmoniz.edu.pt/pt-pt/research/research-labs.aspx