

1. F. W. Chaves-Silva, S. Guerrero, *A Controllability Result for a Chemotaxis-Fluid Model*, Journal of Differential Equations, **262** (9)(2017), 4863 --4905.
2. F. W. Chaves-Silva, G. Lebeau, *Spectral inequality and optimal cost of controllability for the Stokes system*, ESAIM: COCV, Special Issue in honor of Jean-Michel Coron for his 60th birthday, **22** (4)(2016), 1137--1162.
3. M. Bendahmane, F. W. Chaves-Silva, *Uniform Null Controllability for a Degenerating Reaction-Diffusion System Approximating a Simplified Cardiac Model*, SIAM Journal on Control and Optimization, **53** (6)(2015), 3483--3502.
4. F. W. Chaves-Silva, S. Guerrero, *A uniform controllability result for the Keller-Segel system*, Asymptot. Anal., **92** (3-4)(2015), 313--338.
5. F. W. Chaves-Silva, *A hyperbolic system and the cost of the controllability for the Stokes system*, Comput. Appl. Math., **34** (3)(2015), 1057--1074.
6. F. W. Chaves-Silva, L. Rosier, E. Zuazua, *Null controllability of a system of viscoelasticity with a moving control*, J. Math. Pures Appl., **9** 101 (2)(2014), 198--222.
7. F. W. Chaves-Silva, S. Guerrero, J.-P. Puel, *Controllability of fast diffusion coupled parabolic systems*, Math. Control Relat. Fields, **4** (4)(2014), 465--479.
8. M. Bendahmane, F. W. Chaves-Silva, *Null Controllability of a Degenerate reaction-diffusion system in cardiac electro-phisyology*, C. R. Math. Acad. Sci. Paris, **350** (11-12)(2012), 587--590.
9. F. D. Araruna, F. W. Chaves-Silva, M. A. Rojas-Medar, *Exact Controllability of Galerkin's Approximations of Micropolar Fluids*, Proc. Amer. Math. Soc., **138** (2010), 1361--1370.

[My Ph.D Thesis: About the Controllability of Some Equations in Cardiology, Biology, Fluid Mechanics, and Viscoelasticity](#)