

Part C

“Curriculum Vitae”

Name, Family Name: Jorge Luiz Coelho Domingos

Researcher’s unique identifier

ORCID: <https://orcid.org/0000-0003-0492-8693>; **Research ID:** [J-2904-2016](#); **ScopusID:** [57195238274](#)

EDUCATION

- 2018 Ph.D. in Physics - Federal University of Ceará (UFC), in Fortaleza, Brazil and Universiteit Antwerpen (UA), in Antwerp, Belgium (joint thesis)
- 2013 Master degree in Physics - Federal University of Ceará (UFC), in Fortaleza, Brazil
- 2011 Graduate in Physics- Federal University of Ceará (UFC), in Fortaleza, Brazil

WORK POSITIONS

- 2024 Postdoctoral Research ERA Fellow - University of Latvia, Riga, Latvia
- 2018-2024 Postdoctoral Research Fellow - Federal University of Ceará (UFC), Fortaleza, Brazil
- 2019-2020 Visiting researcher (6 months)- Université de Montpellier, France

SCIENTIFIC PROJECTS

Project title	Funding source	Amount	Period	Role
Pattern formation in systems of magnetic spinners (PattSPin)	HORIZON-WIDERA-2022-TALENTS-04	€ 162499,20	08/2024-	Postdoctoral Researcher
Formação de Padrões Estruturais de Sistemas de <i>Spinners</i> Magnéticos	CNPq and FUNCAP	174800 (BR)Reais	04/2023-07/2024	Postdoctoral Researcher
SIMULAÇÃO NUMÉRICA DE INVASÃO DE ÁGUA EM POÇOS PRODUTORES “F0200 - WIPPS II - NOS CAMPOS DO PRÉ-SAL”,	PetroGal	195000 (BR)Reais	01/2019-04/2022	Postdoctoral Researcher

FIVE MAJOR SCIENTIFIC PUBLICATIONS

1. J. L. C. Domingos, F. Q. Potiguar, C. L. N. Oliveira, W. P. Ferreira (2025) Emergence of synchronization-induced patterns in two-dimensional magnetic rod systems under rotating magnetic fields. *Soft Matter*, 21 (3), 488–498. <https://doi.org/10.1039/D4SM01442A>
2. Jorge L. C. Domingos, E. A. de Freitas, W. P. Ferreira (2020) Steady states of non-axial dipolar rods driven by rotating fields. *Soft Matter*, 16, 1201-1210. <https://doi.org/10.1039/C9SM01671F>
3. A. D. Borba, Jorge L. C. Domingos, E. C. B. Moraes, F. Q. Potiguar, W. P. Ferreira (2020) Controlling the transport of active matter in disordered lattices of asymmetrical obstacles. *Phys. Rev. E*, 101(4), 022601. <https://doi.org/10.1103/PhysRevE.101.022601>

4. Jorge L. C. Domingos, F. M. Peeters, W. P. Ferreira (2017) Self-assembly of rigid magnetic rods consisting of single dipolar beads in two dimensions. Phys. Rev. E, 96, 012603.
<https://journals.aps.org/pre/abstract/10.1103/PhysRevE.96.012603>
5. Jorge L. C. Domingos, F. M. Peeters, W. P. Ferreira (2018) Self-assembly and clustering of magnetic peapod-like rods with tunable directional interaction. PLoS ONE, 13(4), e0195552.
<https://doi.org/10.1371/journal.pone.0195552>

Publication information from SCOPUS (25/04/2025):

Total number of publications: 9; Total number of citations: 31; h-index: 3

MAJOR CONFERENCES AND SCIENTIFIC EVENTS

2024	Speaker Interdisciplinary challenges in non-equilibrium physics: from soft to active, biological and complex matter (INTCHA 2024) Max Planck Institute for the Physics of Complex Systems
2019	Speaker 15th International Conference on Magnetic Fluids (ICMF2019), Paris
2016	Participant MolSim-2016 - CECAM, Amsterdam
2015	Participant 46th IFF Spring School “Functional Soft Matter”, Jülich
2014	Speaker Liquids 2014, Lisbon

OTHER INFORMATION

2021-2025	PhD thesis Co-supervision (Everton Almeida de Freitas) Federal University of Ceará (UFC), Fortaleza, Brazil
2022 -	PhD thesis Co-supervision (Jessé Pereira de Oliveira) Federal University of Ceará (UFC), Fortaleza, Brazil
2012-2014	Teaching Assistant – Physics for Engineers Federal University of Ceará (UFC), Fortaleza, Brazil

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