

CURRICULUM VITAE

PERSONAL DATA

Name	Lotfi Jlali
Nationality	Tunisian
Position	Assistant Professor
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EDUCATION

Year	Academic Degree	Institution
2017	PHD	University El Manar, Department of Mathematics, Faculty of Sciences of Tunis, Tunisia
2013	Master Degree	King Saud University, Department of Mathematics, College of Sciences, KSA
2007	Bachelor in Mathematics	University El Manar, Department of Mathematics, Faculty of Sciences of Tunis, Tunisia
2002	Baccalaureate in Mathematics	Tahar Haddad Secondary School, Regueb Sidi-Bouزيد, Tunisia

WORK EXPERIENCE

Period	Position	Address
2022-2023	Assistant Professor	Department of Mathematics and Statistics, College of Sciences Imam Mohammad Ibn Saud Islamic University, KSA
2018-2022	Assistant Professor	Department of Basic Sciences, Common First Year-King Saud University, KSA

RESEARCH INTERESTS

- Partial Differential Equation
- Nonlinear Analysis

PUBLICATIONS

- Lotfi Jlali, Global Well-Posedness and Long Time Decay of 3D-NSE in Fourier-Lei-Lin Spaces, *Mathematical Methods in the Applied Sciences*. DOI: 10.1002/mma. 4193 (2016). <https://doi.org/10.1002/mma.4193>
- Jamel Benameur, Lotfi Jlali, Long time decay for 3D Navier-Stokes equations in Sobolev Gevrey spaces, *Electronic Journal of Differential Equations*, Vol. 2016 (2016), 1072- 6691. <http://ejde.math.txstate.edu>
- Benameur, J. Jlali, L. On the Blow-up Criterion of 3D-NSE in Sobolev–Gevrey Spaces. *J. Math. Fluid Mech.* 18, 805–822 (2016). <https://doi.org/10.1007/s00021-016-0263-8>
- Benameur, Jamel and Jlali, Lotfi. "Long time decay of 3D-NSE in Lei-Lin-Gevrey spaces: " *Mathematica Slovaca*, vol. 70, no. 4, 2020, pp. 877-892. <https://doi.org/10.1515/ms-2017-0400>
- Jlali, Lotfi. "Long time decay for 3D Navier-Stokes equations in Fourier-Lei-Lin spaces: " *Open Mathematics*, vol. 19, no. 1, 2021, pp. 898-908. <https://doi.org/10.1515/math-2021-0060>
- Lotfi Jlali, Bassem Samet. Higher Order Evolution Inequalities with Hardy Potential in the Exterior of a Half-Ball, arXiv:2302.05994. [arXiv preprint arXiv:2302.05994, 2023- arxiv.org](https://arxiv.org/abs/2302.05994)
- Lotfi Jlali, Blow-up results for some type of partial differential equations in exterior domains in the hyperbolic space, preprint (2023)
- Lotfi Jlali, Jamel Benameur, Long Time Decay of 3D Critical Convective Brinkman-Forchheimer Equations, submitted (2023)