

Curriculum Vitae

1 Personal Data

Name: Jaqueline Godoy Mesquita

Professional Address: Universidade de Brasília
Departamento de Matemática
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2 Academic Formation

2019 (in progress) - HUMBOLDT/CAPES FELLOW, Justus-Liebig Universität, Giessen, Germany.

2013 - POST-DOCTORATE in Mathematics, ICMC - Universidade de São Paulo (Oct/2012, May-Jun/2013).

2013 - POST-DOCTORATE in Mathematics, Universidade de Santiago de Chile (Nov/2012 - April/2013).

2012 - DOCTORATE in Mathematics, ICMC - Universidade de São Paulo, Brazil.

2011 - DOCTORATE SANDWICH PERIOD, Academy of Sciences of Czech Republic, Czech Republic.

2009 - MASTER in Mathematics, ICMC - Universidade de São Paulo, Brazil.

2007 - UNDERGRADUATE in Mathematics, Universidade de Brasília, Brazil.

3 Appointments

Assistant Professor

2015 (in progress) - UNIVERSIDADE DE BRASÍLIA (Department of Mathematics), Brazil.

2013-2015 - UNIVERSIDADE DE SÃO PAULO (Department of Computation and Mathematics, Rib. Preto).

4 Prizes, Titles and Awards

2019: National Council of Technology and Scientific Development (CNPq) Research Scholarship

2019: ALEXANDER VON HUMBOLDT FELLOW

2018: YOUNG AFFILIATE MEMBER OF THE WORLD ACADEMY OF SCIENCES (TWAS - Latin America and Caribbean Regional Partner)



2018 - 2022: [AFFILIATED MEMBER OF BRAZILIAN ACADEMY OF SCIENCES.](#)

2018: [Oberwolfach Leibniz Fellows, Germany](#)



Figura 1: Archives of the Mathematisches Forschungsinstitut Oberwolfach

2018: [Travel Grant to participate on ICM 2018](#) by Open Arms-Brazil.

2017: Travel Grant to participate on 5th Heidelberg Laureate Forum 2017, Heidelberg, Germany.

2017: Travel Grant by AMS to participate at Mathematical Congress of Americas 2017, Montréal, Canadá.

2016: [Most Cited Journal of Functional Analysis Articles](#) (*The most cited articles published since 2012*)

- **C. Lizama, J. G. Mesquita**, Almost automorphic solutions of dynamic equations on time scales, **Journal of Funct. Analysis**, 265 (2013), 2267-2311.

2014: Travel Grant by IMU-NANUM to participate at International Congress of Mathematicians 2014, Seul, South Korea.

2012: Top 25 hottest articles of Journal of Differential Equations of year 2012

[Science Direct TOP 25 Hottest Articles](#)

M. Federson; A. Slavík; J. G. Mesquita, Measure functional differential equations and functional dynamic equations on time scales. **Journal of Differential Equations**, 252 (2012), 3816-3847.

[January to December 2012 - FULL YEAR](#) (*8th position*)

2012: Winner of Bernrd Aulbach Prize for Students at Novacella, Italy awarded by International Society of Difference Equations and Applications.



5 Member of editorial board

1. [Journal of Mathematics and Statistics](#)
2. [Advances in dynamical systems and applications](#)

6 Indicators

1. Articles:
 - Published and accepted articles since 2011: 27

- Submitted articles: 06
- Articles in preparation: 05

2. Citation:

- MathSciNet: 129
- *Index h* = 6.

3. Coordination of research projects

2016 – 2018: RESEARCH SCHOLARSHIP - **FEMAT**;

2016 – 2018: *DEMANDA ESPONTÂNEA* - **FAPDF**;

2016 – 2018: *UNIVERSAL* - **CNPQ**;

2013 – 2015: *JOVENS PESQUISADORES EM CENTROS EMERGENTES* - **FAPESP**.

4. Other research projects and financial support: 06

Advisees	Undergraduate	Master	Doctorate	Post-Doctorate
In progress	–	-	02	01
Concluded	09	01	02	–
Total	09	01	04	01

5. Lectures at conferences: 59

6. Seminars: 37

7. Member of organizing committee of conferences: 13

8. Member of organizing committee of special sessions at conferences: 08

7 Published and accepted articles

1. C. LIZAMA, **J. G. MESQUITA**, Asymptotically almost automorphic solutions of dynamic equations on time scales, **Topological Methods in Nonlinear Analysis**, to appear 2019.
2. C. GALLEGOS, H. HENRÍQUEZ, **J. G. MESQUITA**, Growth of solutions for measure differential equations and dynamic equations on time scales. **Journal of Mathematical Analysis and Applications**, to appear, 2019.
3. M. FEDERSON, I. GYÖRI, **J. G. MESQUITA**, P. TÁBOAS, A delay differential equation with an impulsive self-support condition. **Journal of Dynamics and Differential Equations**, to appear, 2019.
4. M. FEDERSON, R. GRAU, **J. G. MESQUITA**, E. TOON, Lyapunov stability for measure differential equations and dynamic equations on time scales, **Journal of Differential Equations**, 267, 4192-4223, 2019.
5. D. L. CECÍLIO, C. CUEVAS, **J. G. MESQUITA**, P. UBILLA, Existence of a positive solution and numerical solution for some elliptic superlinear problem, **Journal of Differential Equations**, 266 (2019), no. 2-3, 1338–1356.
6. M. BOHNER, **J. G. MESQUITA**, Almost periodic functions in quantum calculus, **Electronic Journal of Differential Equations**, v. 197, p. 1-11, 2018.
7. M. FEDERSON, M. FRASSON, **J. G. MESQUITA**, P. TACURI, Measure neutral functional differential equations as generalized ODEs, **Journal of Dynamics and Differential Equations**, 30, 1–30, 2018.
8. M. FEDERSON, R. GRAU, **J. G. MESQUITA**, Prolongation of solutions of measure differential equations and dynamic equations on time scales, **Mathematische Nachrichten**, 1–34, 2018.
9. M. BOHNER, **J. G. MESQUITA**, Massera’s Theorem in Quantum Calculus, **Proceedings of American Mathematical Society**, 2018, no. 11, 4755–4766.

10. E. M. BONOTTO, **J. G. MESQUITA**, R. P. SILVA, Global mild solutions for a nonautonomous 2D Navier-Stokes equations with impulses at variable times. **Journal of Mathematical Fluid Mechanics** (2018) 20, no. 2, 801–818.
11. H. HENRÍQUEZ, **J. G. MESQUITA**, Self-accessible states for linear systems on time scales. **Proceedings of American Mathematical Society** 146 (2018), no. 3, 1257–1269.
12. M. FEDERSON, R. GRAU, **J. G. MESQUITA**, E. TOON, Boundedness of solutions of measure differential equations and dynamic equations on time scales. **Journal of Differential Equations** (2017) 263, 26–56.
13. C. LIZAMA, **J. G. MESQUITA**, R. PONCE, E. TOON, Almost automorphic solutions of Volterra equations on time scales. **Differential and Integral Equations** (2017) 30, 667–694.
14. M. BOHNER, **J. G. MESQUITA**, Periodic averaging principle in quantum calculus. **Journal of Mathematical Analysis and Applications** 435 (2016), no. 2, 1146–1159.
15. C. LIZAMA, **J. G. MESQUITA**, Addendum to Almost automorphic solutions of dynamic equations on time scales [J. Funct. Anal. 265 (10) (2013) 2267–2311]. **Journal Functional Analysis**, 269 (2015), no. 7, 2302–2303.
16. M. FEDERSON, **J. G. MESQUITA**, A new continuous dependence result for impulsive retarded functional differential equations. **Czechoslovak Mathematical Journal**, 66, p. 1-12, 2016.
17. M. FEDERSON, **J. G. MESQUITA**, E. TOON, Lyapunov theorems for measure functional differential equations via Kurzweil-equations. **Mathematische Nachrichten** (2015), 1-25.
18. C. LIZAMA, **J. G. MESQUITA**, R. PONCE, A connection between almost periodic functions defined on time scales and \mathbb{R} . **Applicable analysis**, 93 (2014), no. 12, 2547-2558.
19. C. LIZAMA, **J. G. MESQUITA**, Almost automorphic solutions of non-autonomous difference equations, **Journal of Mathematical Analysis and Applications**, 407 (2013), 339-349.
20. C. LIZAMA, **J. G. MESQUITA**, Almost automorphic solutions of dynamic equations on time scales, **Journal of Functional Analysis**, 265 (2013), 2267-2311.
21. M. FEDERSON, **J. G. MESQUITA**, Non-periodic averaging principles for measure functional differential equations and functional dynamic equations on time scales involving impulses, **Journal of Differential Equations** (2013), v. 255, 3098-3126.
22. M. FEDERSON, **J. G. MESQUITA**, Averaging principle for functional differential equations with impulses at variable times via Kurzweil equations, **Differential and Integral Equations** 26 (2013), 1287-1320.
23. M. BOHNER, M. FEDERSON, **J. G. MESQUITA**, Continuous dependence for impulsive functional dynamic equations involving variable time scales, **Appl. Math. Comput.**(2013) v. 221, 383-393.
24. M. FEDERSON, **J. G. MESQUITA**, A. SLAVÍK, Basic results for functional differential and dynamic equations involving impulses. **Mathematische Nachrichten**, 286 (2013), no. 2-3, 181-204.
25. MÁRCIA FEDERSON, **JAQUELINE G. MESQUITA**; ANTONIN SLAVÍK, Measure functional differential equations and functional dynamic equations on time scales. **Journal of Differential Equations (Print)**, v.252, p.3816-3847, 2012.
26. **JAQUELINE GODOY MESQUITA**, ANTONIN SLAVÍK, Periodic averaging theorems for various types of equations. **Journal of Mathematical Analysis and Applications (Print)**, v.387, p.862-877, 2012.
27. M. FEDERSON, **J. G. MESQUITA**, Averaging for retarded functional differential equations. **Journal of Mathematical Analysis and Applications (Print)**, v.382, p.77-85, 2011.

8 News, medias and Links

- 2019: [Correio Braziliense](#)
- 2018: [Magazine Darcy](#)
- 2018: [UnB News](#)
- 2018: [UnBTV](#)
- 2018: [Informe UnBTV](#)
- 2018: [TV Senado](#)
- 2018: [Homepage of SBM](#)
- 2018: [Homepage of Brazilian Academy of Sciences](#)
- 2017: [Selected to participate on 5th Heidelberg Laureate Forum 2017](#)
- News at the 5th Heidelberg Laureate Forum 2017
 - [Germany](#)
 - [Australia](#)
 - [Brazil](#)
- 2012: [Bernd Aulbach Prize for students](#)