# Resume

## Personal Information

**Name:** Bragdi Mabrouk
Department of Mathematics and Computer Science, University of Umm Al-Bouaghi
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## Researcher's Identity

- https://scholar.google.com/citations?hl=en&user=PcQK7sUAAAAJ

- https://www.researchgate.net/profile/Mabrouk-Bragdi

- ORCID: https://orcid.org/0000-0002-1161-8303

## Academic Qualifications

| Specialization | University | Year of Graduation | Degree |
|---|---|---|---|
| PDE | Univ. Oum El Bouaghi | 2012 | Doctorat |
| Mathematical analysis | Univ. Alexandria (Egypt) | 2006 | Master of Sciences |
| Mathematics | Univ. Oum El Bouaghi | 1998 | Bachelor |

## Jobs and Affiliations

| Job | Title of Institution | Period |
|---|---|---|
| Research Professor | Univ. Oum El Bouaghi | Since 2006 |

## Teaching Experience

Biomathematics, Optimization, Logic, ODE, PDE, Geometry, Differential Geometry, and other maths courses in Faculty of Sciences

## Reports, Seminars and Talks

- ***Poster communications:*** 'Controllability for systems governed by semilinear fractional differential inclusion in a Banach spaces'. Congrès des Mathématiciens Algériens, (**March, 7-8, 2012, Annaba, Algeria**). In collaboration with Mohammed Hazi (Département de Maths, Ecole Normale Supérieure de Kouba, Alger, Algérie).
- ***Poster communications:*** 'Existence and controllability results for some factional differential equations'. *7ème Rencontre d'Analyse Mathématique et ses Applications*, (**October, 24-26, 2010, Batna, Algeria**).
- ***Poster communications:*** 'Semi numeric-analytic method applied to fractional differential equations'. *Colloque International sur les Systèmes Dynamiques Distribués et Contrôle*, (**November, 08-10, 2009, Oum El Bouaghi, Algeria**).

- ➢ **_Poster communications:_** 'Controllability for systems governed by semilinear fractional differential inclusion in a Banach spaces'. Congrès des Mathématiciens Algériens, (**March, 7-8, 2012, Annaba, Algeria**). In collaboration with Mohammed Hazi (Département de Maths, Ecole Normale Supérieure de Kouba, Alger, Algérie).
- ➢ **_Oral communications:_** 'The Effect of Optically Thick Limit and Buoyancy Forces on the Stability of MHD Ekman Layer'. *The 20th International Congress of JangJeon Mathematical Society*, (**August, 21-23, 2008, Bursa-Turkey**). In collaboration with Mahdi Fadel Mosa (*Faculty of Information Engineering, Ittihad Private University, Ar-Raqqa, Syria.*).
- ➢ **_Oral communications_**: 'Controllability of some Fractional Differential Equations'. ICM 2006 Madrid, (August, 22-30, 2006, Madrid). In collaboration with Mahmoud M. El-Borai (Department of Mathematics, Faculty of Sciences, Alexandria University, Egypt).

## Publications (Journals and Proceedings)

- ➢ M. Bragdi, A. Debbouche and D. Baleanu, *Existence of solutions for fractional differential inclusions with separated boundary conditions in Banach space*, **Adv. Math. Phys. 2013, Article ID 426061.**
- ➢ M. Bragdi and A. Debbouche, *Controllability of fractional evolution integro-differential equations with almost sectorial operators*, **Nonlinear Stud. 20(2) (2013), 195-204.**
- ➢ M. Bragdi and A. Debbouche, *Controllability of fractional nonlocal quasilinear evolution inclusions with resolvent families*, **Int. J. Difference Equ. 8(1) (2013), 15-25.**
- ➢ M. Bragdi and M. Hazi, *Controllability for systems governed by semilinear fractional differential inclusion in a Banach spaces*, **Adv. Dyn. Sys. Appl., 7(2) (2012), 163-170.**
- ➢ M. Bragdi and M. Hazi, *Existence and uniqueness of solutions of fractional quasilinear mixed integrodifferential equations with nonlocal condition in Banach spaces*, **E. J. Qualitative Theory of Diff. Equ., 51 (2012), 1-16.**
- ➢ M. Hazi and M. Bragdi, *Controllability of fractional integrodifferential systems via semigroup theory in Banach space*, **Math. J. Okayama Univ. 54 (2012), 133-143.**
- ➢ M. Bragdi and M. Hazi, *Existence and controllability result for an evolution fractional integrodifferential systems*, **Int. J. Contemp. Math. Sciences 5(19) 2010, 901-910.**

## Research interests

Abstract differential equations with fractional orders
Differential inclusion
Fractional calculus
Optimal control
General theory of partial differential equations

## Personal skills and competences

**Operating Systems**: Windows and Linux
**Programming Languages**: C++, Fortran, Python and R
**Mathematical Software**: Matlab, Maple and Latex
**Office Automation**: Microsoft Office

**Language skills :** Arabic(Mother tongue), French and English

## Personal Interests
Enjoy all sports particularly football and running. Love to travel and experience different cultures