Waad Al Sayed, PhD
Mathematics
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Personal Information

Nationality: Lebanese
Marital Status: Married

Current Position

- Chair of the Mathematics Department at Fahad Bin Sultan University- FBSU
- Assistant Professor at Fahad Bin Sultan University, College of Sciences and Humanities
- Adjunct Research Professor at Francois Rabelais University – France.

Professional skills

- High quality proven track record, distinguished Ph.D. degree, the ability to establish a high-impact research papers,
- Trilingual (Arabic, French & English), communication, decision making, time management Self-motivation, conflict resolution, leadership, adaptability, teamwork, creativity,
- Strong background in Mathematics and Applications,
- Ability to teach interdisciplinary courses in all fields related to Mathematics.

Education

2004-2008   **Francois Rabelais University – France.**

(PhD) Doctor of Philosophy in Mathematics

DISSERTATION: Reduced Measures, Larges Solutions and Singularities of Some Parabolic Problems

2003 – 2004   **Lebanese University – Lebanon**

(MS) Master of Science in Analysis

2002-2003   **Lebanese University – Lebanon**

(MS) Master of Science in Mathematics

2005-2008   **Lebanese University Branch 3– Lebanon**
(B.Sc.) Bachelor of Science in Mathematics

Academic Experience

Sep 2009-Present   <u>Coordinator</u>

Fahad Bin Sultan University - College of Sciences and Humanities-FBSU

Sep 2009-Present   <u>Assistant Professor</u>

Fahad Bin Sultan University - College of Sciences and Humanities-FBSU

Sep 2007-Aug 2009   <u>ATER</u>

Teaching and Research-Francois Rabelais University – France

Teaching Highlights

Designed and taught the following courses for undergraduates with different backgrounds:
- ❖ Calculus 1, 2, 3
- ❖ Discrete Mathematics
- ❖ Linear Algebra and numerical techniques
- ❖ Math for Business and Social sciences 1, 2
- ❖ Differential Equations
- ❖ Probability and Statistics
- ❖ French

Academic service and contributions

- ❖ Providing appropriate leadership for the advancement of academic excellence and the effective functioning of the department which includes the implementation of University, college and department policies.
- ❖ Setting up teaching schedules
- ❖ Setting up the operational action plan at FBSU to obtain full accreditation from the National Council for Academic Assessment and Accreditation (NCAAA)
- ❖ Academic advising for students prior to registration
- ❖ Managing, supervising and assessing final year grades for undergraduates

Administrative service and contributions

- ❖ Assistant to the Chancellor for the Female Section
- ❖ Assistant to the President for the Female Section
- ❖ Coordinator of Sciences and Humanities College in the Female Section
- ❖ University council committee
- ❖ Strategic plan and research council committee
- ❖ Quality Assurance committee
- ❖ Administrative committee
- ❖ Academic committee
- ❖ Graduation committee
- ❖ Disciplinary committee

Research Highlights

- ❖ International collaborations: **France:** Francois Rabelais University

- ❖ Research Interest: Parabolic Equations, Singular Solutions, Elliptic Equations, Operators.

Awards and Honors

- ❖ Qualification for the position of "Maitre de conférences" in France
- ❖ Crous of Tours Fellowship 2004-2005.
- ❖ Cimpa Fellowship 2005-2006

List of Publications

1. Renormalized solution of elliptic equations with singular measure in the source term Journal of nonlinear and convex analysis (6), 901-918, 2018
2. On a perturbed functional integral equation in the space of Lebesgue integrable functions on R+, JMA, 41, 19-27, 2018
3. Integrable solutions of a generalized mixed-type functional integral equation Applied Mathematics and Computation 276, 356-366, 2016
4. Initial trace of solutions of semilinear heat equations with absorption, Nonlinear Analysis, 2013
5. Solutions of some nonlinear parabolic equations with initial blow up, Quaderni di Mathematica, 2009.
6. On uniqueness of large solutions of nonlinear parabolic equations in nonsmooth domains, Advanced Nonlinear Studies, 2009.
7. Reduced Measures Associated with Parabolic Problems, Proceedings of the Steklov Institute of Mathematics, 2008.
8. A positive solution of a nonlinear parabolic equations with initial trace, in preparation

International Conferences and Academic Events

1. INDAM School on symmetry for elliptic PDEs May 25-29, 2009, 30 years after a conjecture of De Giorgi and related problems, Istituto Nazionale di Alta Matematica, in Rome La Sapienza
2. CIMPA-UNESCO-EGYPTE, Développements récents eh théorie des EDP elliptiques, 26 January-3 February 2009, Arab academy for Science and Technology, Egypt.
3. Journée des Doctorants, November 25 2008 , Orléans, France.
4. CIMPA-UNESCO-DAMAS UNIVERSITY-LEBANESE UNIVERSITY, Aspects théoriques et appliqués de quelques EDP issus de la géométrie ou de la physique May 15-27 2004, Damascus (Syria).
5. CIMPA-UNESCO-JORDAN, Modélisation mathématique des marchés financiers, September 11-22, 2005, Irbid (Jordan).