

Curriculum Vitae

ZOHRA FARNANA

Tripoli University, Faculty of Education,

Department of Mathematics

Tripoli, Libya

Personal data

Date\ place of birth: December 21, 1978, Alzentan, Libya.

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Academic degrees

Linkoping University, Linkoping, Sweden

- Doctor of Philosophy PhD, Applied Mathematics 15 December 2009
PhD thesis: The double obstacle problem on metric spaces.
- Licentiate of Philosophy, Applied Mathematics 11 February 2008.

The Seventh of April University, Alzawia, Libya

- Bachelor of Science in Applied Mathematics (1996-2000).

Academic Experience

Tripoli university, Faculty of Education, Tripoli, Libya.

- Lecturer, Department of Mathematics (April 2013--up to now).

Aalto University, School of Science and Technology, Espoo, Finland

- Guest Researcher, Department of Mathematics. Visited Professor Juha Kinnunen (October 2010-March 2011).

Linköping University, Linköping, Sweden

- Guest Teacher, Department of Mathematics, Linköping University. Half time during this period for Research (January 2010-June 2010).

Refereed Publication

- Z. Farnana, Sobolev spaces on metric spaces. *Libyan Journal of Science (LJS)*. 24 (2021), 79-99
- Z. Farnana, Boundary regularity and some convergence results for p -harmonic functions in metric spaces, *Al-JAMEAI*, 34 (2021), 37-49.
- Z. Farnana, Pointwise regularity for solutions of double obstacle problems on metric spaces, *Math. Scand.* 109 (2011), 185 – 200.
- Z. Farnana, Continuous dependence on obstacles for the double obstacle problems on metric spaces, *Nonlinear Anal.* 73 (2010), 2819–2830.
- Z. Farnana, Convergence results for obstacle problems on metric spaces, *J. Math. Anal. Appl.* 371 (2010), 436 – 446.
- Z. Farnana, The double obstacle problem on metric spaces, *Ann. Acad. Sci. Fenn. Math.* 34 (2009), 261 – 277.

Refereed conference proceeding

- Stability of solutions of the double obstacle problem on metric spaces (with Michela Eleuteri, Outi Elina Kansanen and Riikka Korte), *J. Anal.* 18 (2010), 145-160. (Proceeding of the ICM 2010 Satellite Conference International workshop on Harmonic and Quasiconformal Mappings (HQM 2010)).

Pedagogical courses

- Teaching in Higher Education, Step 1. Learning, Instructing and Knowledge, 6hp, Linköping University, Linköping, Sweden.
- Teaching in Higher Education, Step 2. Designing, Evaluating and Organizing Learning, 6hp, Linköping University, Linköping, Sweden.

Conferences

I have took a part and given talks in the following conferences:

- Potential Theory and Application, Royal Institute of Technology, Stockholm, Sweden 2007 (no talk).
- Swedish Mathematical Society, Linköping, Sweden November 2008.
- Nonlinear Problems for Δp and Δ , Linköping, Sweden August 2009.

I have also given seminar talks at the following departments:

- Department of Mathematics, Linköping University, Linköping, Sweden.
- Department of Mathematics, Aalto University, School of Science and Technology, Espoo, Finland.