

## Curriculum Vitae of Ehsan Pourhadi Kallehbasti

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### PERSONAL RECORDS

**First Name:** Ehsan  
**Last Name:** Pourhadi Kallehbasti  
**Gender:** Male

**Nationality:** Iranian  
**Date of birth:** May 25, 1986  
**Place of birth:** Babol, Iran

### CONTACT INFORMATION

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[https://www.researchgate.net/profile/Ehsan\\_Pourhadi](https://www.researchgate.net/profile/Ehsan_Pourhadi)
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Faculty of Basic Sciences, Babol Noshirvani University of Technology, P.O. Box: 47148-71168.

### RESEARCH INTERESTS

- Fixed Point Theory
- Integral, Differential & Integro-Differential Equations
- Functional Fractional Calculus
- Measure of Noncompactness
- Financial Mathematics
- Graph Theory
- Geometry of Linear 2-normed Spaces

### EDUCATION

- ◆ **PhD. (Functional Analysis).** School of Mathematics, Iran University of Science and Technology, Tehran, Iran.  
Thesis title: "*Some fixed point theorems in special spaces and applications*" supervised by Prof. A. Aghajani (2010-2014).
- ◆ **MSc. (Mathematical Analysis).** School of Mathematics, Iran University of Science Technology, Tehran, Iran.  
Thesis title: "*On the distance preserving mappings in linear 2-normed spaces*" supervised by Prof. A. Aghajani (2008-2010).
- ◆ **BSc. (Pure Mathematics).** Faculty of Basic Sciences, University of Mazandaran, Babolsar, Mazandaran, Iran (2004-2008).
- ◆ **Diploma (Mathematics).** Saheb-Al-Zaman high school, Babolsar, Iran (2000-2004).

### ACHIEVEMENTS AND HONORS

- 🏆 **Distinguished student** in graduation year as MSc. student at Iran University of Science Technology, 2010.
- 🏆 **Distinguished student** in graduation year as BSc. student at University of Mazandaran, 2008.
- 🏆 Ranked 187<sup>th</sup> in Applied Mathematics and 198<sup>th</sup> in Pure Mathematics among 10763 candidates in the M.Sc. national entrance exam, 2008.

SELECTED  
PASSED  
COURSES

Advanced Real Analysis	Graph Theory
Fixed Point Theory	General Topology
Functional Analysis	Stochastic Processes
Numerical Analysis	Complex Functions
Nonlinear Analysis and Its Applications	Mathematical Statistics
Theory of Partial Differential Equations	Probabilistic Metric Spaces

ACADEMIC  
EXPERIENCE

- ★ Member of Iran's National Elites Foundation
- ★ Member of Iranian Mathematical Society
- ★ Member of the editorial board of International Journal Series in Multidisciplinary Research (IJSMR).
- ★ Member of the Committee of 8<sup>th</sup> Seminar on Topology and Geometry, Iran University of Science and Technology, January 2014.
- ★ Invited lecturer of Babol Noshirvani University of Technology, Babol, Iran (2014-current).
- ★ Invited lecturer of Iran University of Science and Technology (IUST), Tehran, Iran (2012-2014).
- ★ Lecturer of the courses:
  - ✓ Ordinary Differential Equations (ODEs),
  - ✓ Engineering Mathematics,
  - ✓ Calculus I&II
- ★ Teacher assistant of "mathematical analysis" as undergraduate level course, (2005-2006).
- ★ Participant in National Student Mathematics Competitions, University of Amir Kabir, Tehran, Iran, 2008.
- ★ Member of Scientific Center for Young Researchers, Babolsar, Iran, 2001.

PUBLICATIONS

- On the attractivity of solutions for a class of multi-term fractional functional differential equations, Joint with Jorge Losada and Juan J. Nieto *J. Comput. Appl. Math.* (Available online 23 July 2015).
- Some remarks on 2-isometry mappings in linear 2-normed spaces, *IJSMR*, 1(1) (2015), 16-32.
- Application of measure of noncompactness to  $\ell_1$ -solvability of infinite systems of second order differential equations, Joint with A. Aghajani, *Bull. Belg. Math. Soc. Simon Stevin*, 22 (1) (2015), 105-118.
- Application of Perov's fixed point theorem to Fredholm type integro-differential equations in two variables, Joint with A. Aghajani, M. Rivero, J.J. Trujillo, *Math. Slovaca* (Accepted in April 2014).
- Common fixed points for a class of multi-valued mappings and application to functional equations arising in dynamic programming, Joint with A. Aghajani, *Malaya J. Mat.* 1(1) (2014), 82-90.
- Application of measure of noncompactness to a Cauchy problem for fractional differential equations in Banach spaces, Joint with A. Aghajani J.J. Trujillo, *Fract. Calc. Appl. Anal.*, 16 (4) (2013), 962-977.
- Common fixed point for generalization of weak contractions in metric spaces and application, Joint with A. Aghajani, *Math. Sci. Lett.* 2 (2) (2013), 87-97.

- Coupled fixed point theorems in partially ordered metric spaces and application, Joint with A. Aghajani M. Abbas, *Math. Commun.* 17 (2012), 497-509.

PAPERS IN  
REVIEW AND  
PREPARATION

- $n$ -distance-balanced graphs and related topics, *Graphs and Combinatorics* (Under review).
- Some critical Krasnosel'skii type fixed point theorems in Banach algebras under weak topology setups via the weak measure of noncompactness (In progress).
- On the mild solutions of abstract fractional evolution equations with non-instantaneous impulses, joint with Jorge Losada and J.J. Nieto (In progress).

CONFERENCE  
PRESENTATIONS

- ▣ Application of measure of noncompactness in periodic two-point value problem of second order differential equations, *Proceeding of the 44<sup>th</sup> Annual Iranian Mathematical Conference* (2013), 131-134.
- ▣ On the  $c_0$ -solvability of a class of infinite systems of functional-integral equations, *The 10<sup>th</sup> Seminar on Differential Equations and Dynamic Systems* 6-7 November 2013, University of Mazandaran, Babolsar, Iran.
- ▣ On the Some Fixed Point Theorems and Applications, *Iran University of Science and Technology*, 2011.
- ▣ The Aleksandrov Problem in Linear 2-normed Spaces, *Iran University of Science and Technology*, 2010.

REFeree  
EXPERIENCE

- ✉ *Advances in Difference Equations*
- ✉ *Konuralp Journal of Mathematics*
- ✉ *Acta Universitatis Palackianae Olomucensis, Facultas rerum naturalium, Mathematica*
- ✉ *Malaya Journal of Matematik*
- ✉ *International Journal of Dynamical Systems and Differential Equations*
- ✉ *The Journal of Nonlinear Science and Applications*

COMPUTER-BASED  
SKILLS

- L<sup>A</sup>T<sub>E</sub>X (Texmaker, Winedit)
- GeoGebra
- Mathematica
- MATLAB
- MAPLE
- Algorithm and programming language Pascal
- Operating System: Windows
- presentation software
- Conversant in MS Office (Word, Power point, Excel,...)

COMMUNICATIONAL  
LANGUAGE

- ☆ Get a passing grade on the exam MSRT (as National English Test for Evaluation of University Students) in 2011.
- ☆ Get a passing grade on the exam TOLIMO (as National English Test for Evaluation of University Students) in 2009.
- ☆ Spending more than 10 semesters at the Institute for Learning English (2005-2007).
- ☆ Learner of Danish Language as beginner