Curriculum Vitae

Personal information

- **Personal**
- Prof. BENAOUA Leila
- Professor, Mathematics and Computer Science department, University of Oum El Bouaghi, Algeria.
- E-mail: benaoualeila@gmail.com; benaoua.leila@univ-oeb.dz
- Mobile: 00213 657558709
- **Researcher identity**
  - Google Scholar: https://scholar.google.com/citations?user=d8GjxnkAAAAJ&hl=en
  - ReaserchGate: https://www.researchgate.net/profile/Leila-Benaoua
  - ORCID: https://orcid.org/0000-0002-0398-8769

Education

- **Ph.D.'s degree** in in Applied Mathematics (University of Oum El Bouaghi) under the supervision of Prof. Dr. Aliouch Abdelkrim

- **Master's degree** in in Applied Mathematics (LMD, University of Oum El Bouaghi).

- **License's degree** in in fundamental Mathematics. (LMD, University of Tebessa) ;

  With memory theme: The study of the consistency and stability of the finite difference method for linear and non-linear parabolic equation in the dimensions 1, 2 and 3.

Functions and Affiliations

- **Associate professor of Mathematics, Oum El Bouaghi University** since september 2021 until now.
- **2019/2020: Temporary teacher at the University of Oum El Bouaghi**
- **2015-2018: Certified teacher at FARKAN secondary school, Willaya de Tébessa.**
- **2011-2014: Certified teacher at the secondary school of ZAGHDANI Belgassem, Willaya d'oum el bouaghi.**

Teaching modules

Analysis 1, Analysis 2, Mathematics 1, Mathematics 2.

International publications

- **1. Leila. Ben Aoua** and A. Aliouche, Common fixed point theorems in intuitionistic Menger spaces using CLR property, Malaya J. Mat. 3(4) (2015) 368–381.
http://www.malayajournal.org/articles/paper1_2015.pdf

- **2. Leila. Ben Aoua** and A. Aliouche, A common coupled fixed point theorem in intuitionistic Menger metric space, Mathematica Moravica, Vol. 20 :2 (2016).
http://www.moravica.ftn.kg.ac.rs/Vol_20-2/05-Leila-Aliouche.pdf

- **3. Leila. Ben Aoua** and A. Aliouche, Coupled fixed point theorems for weakly compatible mappings along with CLR property in Menger metric spaces, **Carpathian Math. Publ.** 2016, 8 (2).
https://journals.pnu.edu.ua/index.php/cmp/article/view/1425
- **4.** Bouziani Abdelfatah, Oussaeif Taki-Eddine**,** and **Ben Aoua Leila,** A Mixed Problem with an Integral Two-Space-Variables Condition for Parabolic Equation with The Bessel Operator, **Journal of Mathematics**. V 2013 (2013), Article ID 457631, 8 pages.
http://downloads.hindawi.com/journals/jmath/2013/457631.pdf
- **5.** A. Abdelhalim, A. Aliouche, **Leila. Ben Aoua** and O. Taki-Eddine, Common coupled fixed point theorems for two pairs of weakly compatible mappings in Menger metric spaces, **Moroccan J. of Pure and Appl. Anal.** (MJPAA), 5(2019), No.2, 197-221. DOI: 10.2478/mjpaa-2019-0015
https://content.sciendo.com/view/journals/mjpaa/5/2/article-p197.xml
- **6.** Saurabh manro, A. Aliouche, **Leila. Ben Aoua**, A. Abdelhalim and O. Taki-Eddine, Nonlinear coupled coincidence and coupled fixed point theorems for weakly compatible mappings in partially ordered probabilistic metric spaces, Accepted in **Communications in Nonlinear Analysis (CNA) 2020.**
http://www.cna-journal.com/article_102593.html
- **7.** L. Ben Aoua and A. Aliouche, Impact of (CLR) property and existence of fixed points theorem using implicit relation in intuitionistic Menger metric spaces, Journal of Interdisciplinary Mathematics , Submitted at 04/2020 **(under review).**
- **8.** Ben Aoua Leila, Khaled Berrah, Taki Eddine Oussaeif, Saurabh Manro, Common fixed point theorems in intuitionistic Menger space using property EA and an application to Fredholm integral equations, **Journal of Interdisciplinary Mathematics,** (MJPAA), 25(2022), 8.
- **9.** Iqbal M Batiha, Leila Ben Aoua, Taki-Eddine Oussaeif, Adel Ouannas, Shamseddin Alshorman, Iqbal H Jebril, Shaher Momani, Common Fixed Point Theorem in Non-Archimedean Menger PM-Spaces Using CLR Property with Application to Functional Equations, **IAENG International Journal of Applied Mathematics**, Vol. 53, Iss. 1, (Mar 2023): 1-9.

Research topics:

- ✓ Fixed point theorems.

Diverse :

- Reading, Computer.
- Initiative and sense of responsibility.
- Communication direction and a good team spirit.