



Chafia LAOUAR



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About me

I am confident in my ability to produce results. Integrity and authenticity are important to me. I believe there is value in collaboration. I like to evaluate current procedures and processes when possible to identify any foreseeable issues or concerns. I am reliable, driven, flexible, passionate, and curious. Interests: traveling, volunteering and charity work, sports, writing, music, cooking, and gardening.

Education

- 2002-2003** First Bachelor's degree in natural and life sciences, Ain Kercha High School's. Oum El Bouaghi.
- 2004-2005** Second Bachelor's degree in natural and life sciences, Free candidate, Oum El Bouaghi.
- 2007** Postgraduate Diploma in Mathematics (Diplôme d'études supérieures en mathématiques), Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.
- 2006-2008** Student in the specialty of communication and information (LMD), Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.
- 2011** Magister in applied mathematics (Doctoral school), Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.
- 2022** Ph.D. Degree of science, Speciality: Mathematics, Option: applied mathematics Entitled: Inverse problems with missing data, Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.

Experience

- 2008-2009** Middle school teacher's, Azri Baatouche school's, Oum El Bouaghi.
- 2010-2012** High school teacher's, Bouhazem Abdelmadid high school's, Oum El Bouaghi.
- 2012-2021** Associate Professor, Department of Mathematics and Computer Science, Abbes Laghrour University, Algeria
- 2022** Professor of Conference, level B, Department of Mathematics and Computer Science, Abbes Laghrour University, Algeria
- 2015-2020** Teacher and researcher, Laboratoire des Systèmes Dynamiques et de Contrôle, Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.
- 2016-2017** Scholarship, University of Rouen Normandy, France.

List of works

Research publications

- C. Laouar, A. Ayadi, A. Hafdallah, Optimal control of a partially known coupled system of BOD and DO. International Journal of Analysis and Applications, (2021).
- A. Hafdallah, C. Laouar, A. Ayadi, No-regret optimal control characterization for an Ill-posed wave equation. International Journal of Mathematics Trends and Technology (IJMTT). Vol 41(3), 283-288. (2017).
- C. Laouar, A. Ayadi, A. Hafdallah, Identification problem of a fractional thermoelastic deformation system with incomplete data : A sentinel method. Non-linear studies journal, www.nonlinearstudies.com Vol. 29, No. 2, pp. 1-13, (2022).

Conference presentations and posters

1. C. Laouar, Some applications of low regret controls to stochastic distributed systems, Actes du Colloque EDP-Normandie (Caen 2017).
2. C. Laouar, Sur la stabilité d'un système dynamique, Workshop systèmes dynamiques distribués (23-26 Septembre 2012).
3. 24 ième Ecole Sur GNU| LINUX et les logiciels libres,(Septembre 2015), University de TLEMCEN, Algérie.
4. Short stay internships (toward France).

Scientific skills

- **Languages** : Arabic, French, English.
- **Computers and office equipment** : Pack Office (Word, Excel, Power point), TeXstudio (Article, Beamer, Poster, Thesis, Report, Lettre), Scientific WorkPlace, Matlab.