Curriculum Vitae

Personal information

- **Personal**
- Prof. REZZOUG Imad
- Professor, department of mathematics and informatics, University of Oum El Bouaghi, Algeria.
- E-mail : imad.rezzoug@univ-oeb.dz
- Mobile : (+213) 79279 4528
- **Researcher identity**
    - Google Scholar : https://scholar.google.fr/citations?user=agyfiXQAAAAJ&hl=fr
    - ReaserchGate : https://www.researchgate.net/profile/Rezzoug-Imad
    - ORCID : https://orcid.org/my-orcid?orcid=0000-0002-7054-9934

Education

- **Ph.D.'s degree** in applied mathematics
- **Magister degree** in mathematics
- **License's degree** in mathematics

Functions and Affiliations

- Mathematics **Professor**
- **Associate professor,** ....
- **Head of Department of Economics**, ...

Teaching modules

2010-2015:

Lectures and tutorials General Maths, 1st year Economics. Oum El Bouaghi University.

2015-2016:

Tutorial Topological Spaces, 2nd year Maths.

Tutorial Analysis 1, 1st year Maths.

History of Mathematics, 2nd year Maths.

Algebra 4, 2nd year Maths.

2016-2017:

Lectures and tutorials Introduction to Topology, 2nd year Maths.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, 3rd year Maths.

2017-2018:

Lectures and tutorials Numerical methods for ordinary and partial differential equations, Master 1 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, 3rd year Maths.

2018-2019:

Lectures and tutorials Numerical methods for ordinary and partial differential equations, Master 1 applied mathematics.

Lectures and tutorials and practical work Numerical Methods for ordinary and partial differential equations, 3rd year Maths.

2019-2020:

Lectures and tutorials Numerical methods for ordinary and partial differential equations, Master 1 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, 3rd year Maths.

2020-2021:

Lectures Control theory, 1st year Doctorate LMD applied mathematics.

Lectures and tutorials Control theory, Master 2 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, Master 1 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, 3rd year Maths.

2021-2022:

Lectures and tutorials Control theory, Master 2 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, Master 1 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, 3rd year Maths.

2022-2023:

Lectures and tutorials Control theory, Master 2 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, Master 1 applied mathematics.

Lectures and tutorials Numerical methods for ordinary and partial differential equations, 3rd year Maths.

International publications

Berhail Amel and Rezzoug Imad. Identification of the source term in Navier-Stokes system with incomplete data. AIMS Mathematics, 4(3): 516–526. DOI:10.3934/math.2019.3.516. 2019.

Teldja Laib, Imad Rezzoug and Taki-Eddine Oussaief. Instantaneous Sentinel for the Identification of the pollution term in Navier-Stokes system. Proyecciones Journal of Mathematics. Vol. 40, No 6, pp. 1489-1505, December 2021. Universidad Cat´olica del Norte Antofagasta - Chile. DOI:10.22199/issn.0717-6279-4225

Rezzoug Imad and Oussaeif Taki-Eddine. Solvability of a solution and controllability of partial fractional differential systems. Journal of Interdisciplinary Mathematics, 2021. https://doi.org/10.1080/09720502.2020.1838754

Benaoua Antara, Oussaeif Taki-Eddine and Rezzoug Imad. Unique solvability of a Dirichlet problem for a fractional parabolic equation using energy-inequality method. Methods of Functional Analysis and Topology. Vol. 26 (2020), no. 3, pp. 216-226. https://doi.org/10.31392/MFAT-npu26 3.2020.03

Rezzoug Imad, Oussaeif Taki-Eddine and Benbrahim Abdelouahab. Solvability of a solution and controllability for nonlinear fractional differential equations. Bulletin of the Institute of Mathematics Vol. 15 (2020), No.3, pp. 237-249 DOI: 10.21915/BIMAS.2020303

Bourabta Ahmed, Oussaeif Taki-Eddine, Rezzoug Imad and Chebana Zainouba. Solvability of a solution of singular and degenerate fractional nonlinear parabolic dirichlet problems. Bulletin of the Institute of Mathematics Academia Sinica (New Series). Vol. 17 (2022), No. 1, pp. 105-123. DOI: 10.21915/BIMAS.2022104

Rezzoug Imad and Oussaeif Taki-Eddine. Approximate Controllability. WSEAS TRANSACTIONS on SYSTEMS. Volume 19, 2020 . DOI: 10.37394/23202.2020.19.3

Achab Fatma and Rezzoug Imad. Average no regret sentinel. Innovative Journal of Mathematics v. 1 no. 3, 1-15, (2022) doi:10.55059/ijm.2022.1.3/25

Merabti Nesrine Lamya and Rezzoug Imad. Sentinel method and distributed systems with missing data. Innovative Journal of Mathematics v. 1 no. 2, 44-62, (2022) doi:10.55059/ijm.2022.1.2/26

Rezzoug Imad, Oussaeif Taki-Eddine and Benbrahim Abdelouahab. Regularization of a class of ill-posed Cauchy problems associated with generators of analytic semigroups. Palestine Journal of Mathematics. Vol. 11(1)(2022) , 485−495. https://pjm.ppu.edu/paper/982-regularization-class-ill-posed-cauchy-problems-associated-generators-analytic-semigroups

Rezzoug Imad and Ayadi Abdelhamid. Weakly Sentinel involving a Navier-Stokes Problem and Detecting Pollution. General Letters in Mathematics Vol. 5, No. 2, Oct 2018, pp.93-104. https://doi.org/10.31559/glm2018.5.2.4

Rezzoug Imad, Dehilis Sofiane and Oussaeif Taki-Eddine. Boundary control of a heat equation. Asia Mathematika. Volume: 5 Issue: 1 , (2021) Pages: 28-43.DOI: doi.org/10.5281/zenodo.4722088

Ines Kaarer and Abdelhamid Ayadi and Imad Rezzoug. Weak Controllability and the New Choice of Actuators. Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 14, Number 2 (2018), pp. 325–330.

Laib Teldja and Rezzoug Imad and Berhail Amel. Approximate Controllability of the Stokes system. Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 14, Number 6 (2018), pp. 775–785.

Rezzoug imad and Ayadi abdelhamid. Controllability for the parabolic equations .PJM.Vol. 6(2) (2017) , 638–648.

Rezzoug imad and Ayadi abdelhamid. Approximate Controllability for the Parabolic Equations of the Fourth Order. Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 12, Number 5 (2016), pp. 4495–4509.

Rezzoug imad and Ayadi abdelhamid. Sentinels for the identification of pollution in domains with missing data. Advances in Dynamical Systems and Applications. ISSN 0973-5321, Volume 8, Number 3, (2013) pp. 439–449.

Rezzoug imad and Ayadi abdelhamid. Weakly Sentinels for the Distributed System with Missing Terms and with Pollution in the Boundary Conditions. Int. Journal of Math. Analysis, Vol. 6, 2012, no. 45, 2245 – 2256.

Rezzoug imad and Ayadi abdelhamid. identification of an unknown part of the boundary of an Navier-Stokes system by punctual sentinel. Sciences & Technologie A – N°35, Juin. (2012), pp. 31-35.

Rezzoug imad and Ayadi abdelhamid. Weakly sentinels for the distributed system with pollution terms in the boundary. FEJAM. Volume 63, Issue 1 (February 2012). Page 25- 37.

Interests and Qualifications

- **Interests : IT: Word, Excel, Access, Latex, Tex, Scientific WorkPlace, Matlab, Scilab, freeFEM++.**
- **Qualifications : Language : French: Read, written and spoken. English: Good notions. Arabic: Mother Tongue.**
- **Other : Dynamic, serious and very motivated. Great ease of adaptation, group spirit and without criticism.**