

# CURRICULUM VITAE

## Personal information

- **Personal**
  - Prof. Guerarra Siham
  - Professor, Mathematics and Informatics department, University of Oum El Bouaghi, Algeria.
  - E-mail: guerarra.siham@univ-ueb.dz
  - Mobile: ...066136199.....
- **Researcher identity**
  - Google Scholar: Sihem Guerarra.....
  - ReaserchGate: Sihem Guerarra
  - ORCID: 0000-0001-6888-5974

## Education

- **Ph.D.'s degree** in ...2016.....
- **License's degree** in .....2001.....

## Functions and Affiliations

- **Associate professor**, .....

## Teaching modules

Algebra1. Algebra2. Algebra3. Algebra4. English.....

## International publications

- **1- S. Guerarra and S. Guedjiba, Common least-rank solution of matrix equations  $A_1 X_1 B_1 = C_1$  and  $A_2 X_2 B_2 = C_2$  with applications, Facta universitatis (Niš). Ser. Math. Inform, 29 (2014), 313-323.**
- **2- S. Guerarra and S. Guedjiba, Common Hermitian least-rank solution of matrix equations  $A_1 X A_1^* = B_1$  and  $A_2 X A_2^* = B_2$  subject to inequality restrictions, Facta universitatis (Niš). Ser. Math. Inform, 30 (2015), 539-554.**
- **3- S. Guerarra, Positive and negative definite submatrices in an Hermitian least rank solution of the matrix equation  $A X A^* = B$ , Numer. Algebr, Contr. Optim, 9(1) (2019), 15-22.**

- 4- S. Guerarra, *Maximum and minimum ranks and inertias of the Hermitian parts of the least rank solution of the matrix equation  $AXB=C$* , *Numer. Algebr. Contr. Optim.*, 11(1) (2021), 75-86
- 5- Radja Belkhiri and Sihem Guerarra, *SOME STRUCTURES OF SUBMATRICES IN SOLUTION TO THE PAIRE OF MATRIX EQUATIONS  $AX = C, XB = D$* , *Mathematical Foundations of Computing*, 6, (2), (2023), 231–252.