

# Bilel Krichen



## E-mail :

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## Current position :

Professor

Researcher in Laboratory of "Physics-Mathematics and Applications", LR 13 ES 22.

## Research interests :

Fixed point Theory and its Applications,  
Nonlinear Functional Analysis,  
Operator Theory and Matrix Operators,  
Fredholm Theory,  
Spectral Theory,  
Transport Equations in Biology,  
Dynamics of Linear Operators, Hypercyclicity

## List of publications :

1. **ORCID:** <http://orcid.org/0000-0002-3481-7575>
2. **Researchgate:** [https://www.researchgate.net/profile/Bilel\\_Krichen](https://www.researchgate.net/profile/Bilel_Krichen)
3. **Facebook:** <https://www.facebook.com/krichen.bilel>
4. **Author in CRC:** <https://www.crcpress.com/authors/i12580-bilel-krichen>

## Current PhD students:

- **Imen Ferjani** : Propriétés spectrales des opérateurs de Riesz par rapport à la relative demicompacité.
- **Bilel Trabelsi** : Mesure de noncompacité et opérateurs faiblement demicompacts
- **Imen Msekni** : Théorie spectrale des opérateurs matriciels impliquant des opérateurs taubériens.

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## Current PhD students (Co-supervisor):

- **Slim Chelly** : Spectral Properties for Weakly Demicompact Linear Operators.
- **Ali Zitouni**: Around Demicompactness for Block Operators Matrices and Applications to Transport Equations.
- **Fatma Ben Brahim**: Demicompactness for Block Operators Matrices.
- **Makrem Essalhi**: Relative Demicompactness Concept with Applications.

## Past PhD students (Co-supervisor):

- Bilel Mefteh: Fixed Point Theory Under Weak Topology and Applications. **(Defended on December 20, 2014).**
- Najib Kaddachi: Fixed Point Theorems for Block Operator Matrices and Applications. **(Defended on April 08, 2015).**
- Wajdi Chaker: Points Fixes et Applications aux Equations de Transport. **(Defended on November 07, 2015).**