

CURRICULUM VITAE

PERSONAL DATA

Name	Aref Jeribi
Nationality	Tunisienne
Position	Professor
E-Mail	Aref.jeribi@fss.rnu.tn
Phone	+966562790076

EDUCATION

Year	Academic Degree	Institution
1991-1992	Licence of mathematics	University of Sfax (Tunisia)
1992-1993	Mastership of mathematics	University of Sfax (Tunisia)
1993-1994	DEA of mathematics and applications.	University of Franche-Comté (France)
1994-1998	Phd Thesis of mathematics. Defended on the 16-01-1998.	University of Corsica, (France)
1994-2002	Habilitation of mathematics and Applications	University of Sfax (Tunisia)

WORK EXPERIENCE

Period	Position	Address
1998-2002	Assistant professor	University of Gabes, Tunisia
2002-2003	Lecturer	University Tunis El Manar
2003-2007	Lecturer	University of Sfax (Tunisia)
2007-2024	Professor	University of Sfax (Tunisia)

RESEARCH INTERESTS

PUBLICATIONS

<https://mathscinet.ams.org/mathscinet/MRAuthorID/611068>

https://scholargps.com/search.php?q=%20Aref%20Jeribi&type=profile&scholar=Aref+Jeribi&=&scholar_ranks=true

<https://scholargps.com/scholars/49760183235630/aref-jeribi>

Books and Monographs

[11] Problems in finite element methods, Aubin Nitsche's Duality Process, Nodal Methods and Friedrichs Systems. **book series:** [Infosys Science Foundation Series](#), Springer-Verlag (978-981-97-5709-1), Singapore (2024).

[10] avec A. Ammar
Analyse. Cours et exercices corrigés MPSI-PCSI, édition Cépaduès, Toulouse, France (2024).

[9] Théorie des points fixes pour la topologie faible : exercices et problèmes corrigés, édition Cépaduès, Toulouse, France (2023).

[8] Résolution de divers problèmes elliptiques par des méthodes d'éléments finis - Cours, exercices, et problèmes corrigés. Edition Ellipses (ISBN 978-2-340-06117-0). 444 p. (2021).

[7] Perturbation theory for linear operators: Denseness and bases with applications. Springer-Verlag (ISBN 978-981-16-2527-5), Singapore (2021).

[6] with A. Ammar
Spectral Theory of Multivalued linear operators. (English) Boca Raton, FL : CRC Press (ISBN 9781771889667). 314 p. (2021).

[5] with M. Benhamadou
Analyse numérique matricielle - Méthodes et algorithmes, exercices et problèmes corrigés, Edition Ellipses (ISBN 978-2-340-03803-5). 680 p. (2020).

[4] Linear operators and their essential pseudospectra. (English) Zbl [06849046](#) Boca Raton, FL : CRC Press (ISBN 978-1-77188-699-4/hbk). 352 p. (2018).

[3] Denseness, bases and frames in Banach spaces and applications. (English) Zbl [06849137](#) Berlin : De Gruyter (ISBN 978-3-11-048488-5/hbk ; 978-3-11-049386-3/ebook). xv, 406 p. (2018).

[2] with B. Krichen

Nonlinear functional analysis in Banach spaces and Banach algebras : fixed point theory under weak topology for nonlinear operators and block operator matrices with applications, Monographs and Research Notes in Mathematics, Taylor-Francis (2015).

[1] Spectral theory and applications of linear operators and block operator matrices, Springer-Verlag (ISBN 978-3-319-17566-9), New-York (2015).

Edited Volumes

[2] Aref Jeribi (ed.)

Operator theory. Proceedings of the international conference on operator theory, Hammamet, Tunisia, April 30 - May 3, 2018. De Gruyter Proceedings in Mathematics. Berlin: De Gruyter. (ISBN 978-3-11-059686-1/hbk; 978-3-11-059819-3/ebook). x, 216 p. (2021).

[1] with M. A. Hammami, A. Masmoudi (ed.)

Applied mathematics in Tunisia. Proceedings of the International Conference on Advances in Applied Mathematics (ICAAM) held in Hammamet, December 16th 2013. Edited by Aref Jeribi, Mohamed Ali Hammami and Afif Masmoudi. Springer Proceedings in Mathematics and Statistics, 131. Springer, Cham, 2015. xix+397 pp. ISBN : 978-3-319-18041-0 ; 978-3-319-18040-3.

Articles parus

[238] **Amara, Khaled Ben; Jeribi, Aref; Kaddachi, Najib.** Fixed points theorems via the degree of nondensifiability with an application to nonlinear hybrid fractional integral inclusions. *Anal. Math. Phys.* **15** (2025), no. 3, Paper No. 57.

[237] **Jeribi, Aref; Mahfoudhi, Kamel.** Essential approximate pseudospectra of multivalued linear relations. *Kragujevac J. Math.* **49** (2025), no. 2, 267--285.

[236] **Ammar, Aymen; Daoud, Houcem; Jeribi, Aref.** Demicompact linear operator. Essential pseudospectra and perturbation. *Georgian Math. J.* **32** (2025), no. 1, 21--29. [MR4856966](#) [Add to clipboard](#)

- [235] **Zerai Dhahri, Mohammed; Jeribi, Aref; Mahfoudhi, Kamel.** Fredholm theory on Krein spaces and its application to pseudospectrum. *Linear Multilinear Algebra* **73** (2025), no. 3, 615--632. [MR4856312](#) [Add to clipboard](#)
- [234] **Ammar, Aymen; Heraiz, Toufik; Jeribi, Aref.** New results of essential approximate and defect point spectrum by using the gap convergence. *Facta Univ. Ser. Math. Inform.* **39** (2024), no. 4, 529--539. [MR4858353](#) [Add to clipboard](#)
- [233] **Baraket, Sami; Ghorbal, Anis Ben; Jeribi, Aref.** Lower characteristic, demicompact linear operators, and essential spectra. *Filomat* **38** (2024), no. 24, 8611--8622. [MR4851457](#) [Add to clipboard](#)
- [232] **Baraket, Sami; Amara, Khaled Ben; Jeribi, Aref.** The stable solvability in weak topology setting and application to fixed point theory. *Filomat* **38** (2024), no. 24, 8597--8610. [MR4851456](#) [Add to clipboard](#)
- [231] **Ammar, Aymen; Bouchama, Chaimaa; Jeribi, Aref.** Pseudo ellipsoid spectrum in a right quaternionic Hilbert space. *Mem. Differ. Equ. Math. Phys.* **93** (2024), 17--27.
- [230] **Ammar, Aymen; Baraket, Sami; Ghorbal, Anis Ben; Jeribi, Aref.** Kachurovskij spectra nonlinear block operator matrices. *Filomat* **38** (2024), no. 15, 5543--5557. [MR4813910](#) [Add to clipboard](#)
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- [228] **Baraket, Sami; Jeribi, Aref.** Lower characteristic, weakly demicompact and semi-Fredholm linear operators. *Funct. Anal. Approx. Comput.* **16** (2024), no. 2, 31--39. [MR4761155](#) [Add to clipboard](#)
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- [226] **Baloudi, Hatem; Jeribi, Aref; Zmouli, Habib.** Browder \$\$\$-Resolvent Equation in Quaternionic Setting. *Complex Anal. Oper. Theory* **18** (2024), no. 3, Paper No. 60. [MR4721723](#)
- [225] **Baraket, Sami; Jeribi, Aref.** Lower Characteristic, Weakly Quasi-compact and Application. *Results Math.* **79** (2024), no. 2, 86.
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- [223] **Fakhfakh, Majed; Jeribi, Aref.** Generalized weakly demicompact and \$\$\$-demicompact linear relations and their spectral properties. *Ukrainian Math. J.* **75** (2023), no. 8, 1278--1294. [MR4689001](#) [Add to clipboard](#)
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- [212] Ammar, Aymen; Boutaf, Fatima Zohra; Jeribi, Aref. Extended eigenvalues of 2×2 block operator matrices. *Filomat* 37 (2023), no. 5, 1377--1389. [MR4569882](#)
- [211] Ammar, Aymen; Ezzadam, Aicha Ben; Jeribi, Aref. Some results of Fredholm perturbations of multivalued linear operator in normed spaces. *Filomat* 37 (2023), no. 5, 1399--1408. [MR4569884](#)
- [210] Ammar, Aymen; Jeribi, Aref; Saadaoui, Bilel. Fredholm linear relation and some results of demicompact for multivalued matrix linear operator. *Filomat* 37 (2023), no. 5, 1507--1522. [MR4569890](#)
- [209] Ammar, Aymen; Jeribi, Aref; Zayed, Mayssa. Some properties of the condition pseudospectrum of multivalued linear operators. *Filomat* 37 (2023), no. 5, 1625--1634. [MR4569898](#)
- [208] Ammar, Aymen; Boutaf, Fatima Zohra; Jeribi, Aref. New results on perturbations of p-adic linear operators. *Georgian Math. J.* 30 (2023), no. 2, 173--184.
- [207] Benkhaled, Hedi; Hajji, Mohamed; Jeribi, Aref. On the class of demi Dunford-Pettis operators. *Rend. Circ. Mat. Palermo (2)* 72 (2023), no. 2, 901---911.

- [206] Jeribi, Aref; Mahfoudhi, Kamel. Generalized Drazin-meromorphic pseudospectrum for a bounded linear operator on a Banach space. *Rend. Circ. Mat. Palermo (2)* 72 (2023), no. 2, 1303----1314.
- [205] Chelly, Slim; Jeribi, Aref; Krichen, Bilel. Demicompactness perturbation in Banach algebras and some stability results. *Georgian Math. J.* 30 (2023), no. 1, 53--63. [MR4542427](#)
- [204] Ammar, Aymen; Jeribi, Aref; Mahfoudhi, Kamel. A new spectral approach in the matrix algebra: trace pseudospectrum. *Bol. Soc. Parana. Mat. (3)* 41 (2023),
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- [202] Ammar, Aymen; Boutaf, Fatima; Jeribi, Aref. Essential spectra in non-Archimedean fields. *Bol. Soc. Mat. Mex. (3)* 29 (2023), no. 1, Paper No. 18.
- [201] Ben Amara, Khaled; Jeribi, Aref; Kaddachi, Najib. Equivalence of some properties in the theory of Banach algebras and applications. *J. Math. Anal. Appl.* 520 (2023), no. 1, 126865
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- [199] Jeribi, Aref; Kaddachi, Najib; Laouar, Zahra. Generalized form of fixed-point theorems in generalized Banach algebra relative to the weak topology with an application. *Filomat* 36 (2022), no. 18, 6253--6268. [MR4560260](#)
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- [187] Ammar, Aymen; Jeribi, Aref. Spectral theory of multivalued linear operators. Apple Academic Press, Oakville, ON; CRC Press, Boca Raton, FL, 2022. xviii+295 pp. ISBN: 978-1-77188-966-7; 978-1-77463-938-2; 978-1-00313-112-0 MR4492807
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ENCADREMENTS

Aref Jeribi

MathSciNet

Ph.D. **Université de Corse Pascal Paoli 1998**



Dissertation: *Développement de certaines propriétés fines de la théorie spectrale et applications à des modèles monocinétiques et à des modèles de Reggeons*

Mathematics Subject Classification: 46—Functional analysis

Advisor: Abdelkader Intissar

Students:

Click [here](#) to see the students ordered by family name.

Name	School	YearDescendants
Moalla, Nedra	University of Sfax	2006 3
Ben Amar, Afif	University of Sfax	2007
Abdmouleh, Faïçal	University of Sfax	2009 1
Abdelmoumen, Boulbeba	University of Sfax	2010
Charfi, Salma	University of Sfax	2010 1
Walha, Ines	University of Sfax	2010
Ben Ali, Naouel	University of Sfax	2011
Feki, Ines	University of Sfax	2011
Krichen, Bilel	University of Sfax	2011 8
Chammam, Wathek	University of Sfax	2012 1
Chouayekh, Soufiene	University of Sfax	2012
Yengui, Sonia	University of Sfax	2012
Aloui, Baghdadadi	University of Sfax	2013
Ammar, Aymen	University of Sfax	2013
Jedidi, Omar	University of Sfax	2013
Damergi, Alaeddine	University of Sfax	2014
Mefteh, Bilel	University of Sfax	2014
Moalla, Rihab	University of Sfax	2014
Chaker, Wajdi	Université Tunis-El Manar	2015
Dhahri, Mohamed Zerai	University of Sfax	2015
Kaddachi, Najib	University of Sfax	2015
Baloudi, Hatem	University of Sfax	2016
Elleuch, Asrar	University of Sfax	2016
Ellouz, Hanen	University of Sfax	2016
Boukettaya, Bilel	University of Sfax	2017
Daoud, Houcem	University of Sfax	2017
Mahfoudhi, Kamel	Université Tunis-El Manar	2018
Saadaoui, Bilel	University of Sfax	2018
Salhi, Makrem	University of Sfax	2018
Bouzayeni, Faten	Université Tunis-El Manar	2019

Fakhfakh, Slim	University of Sfax	2019
Zayed, Mayssa	University of Sfax	2019
Ben Brahim, Fatma	University of Sfax	2020
Benkhalel, Hedi	University of Sfax	2020
Zitouni, Ali	University of Sfax	2020
Belgacem, Saida	University of Sfax	2021
Bouchehoua, Ameni	University of Sfax	2021
Fahem, Amor	University of Sfax	2021
Akrouti, Imen	University of Sfax	2022
Ben Amara, Khaled	University of Sfax	2022
Bouchama, Chaima	University of Sfax	2022
Boutaf, Fatima Zohra	University of Sfax	2022
Chelly, Slim	University of Sfax	2022
Fakhfakh, Majed	University of Sfax	2023
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