Curriculum Vitae

Professor Abdelkader Dehici
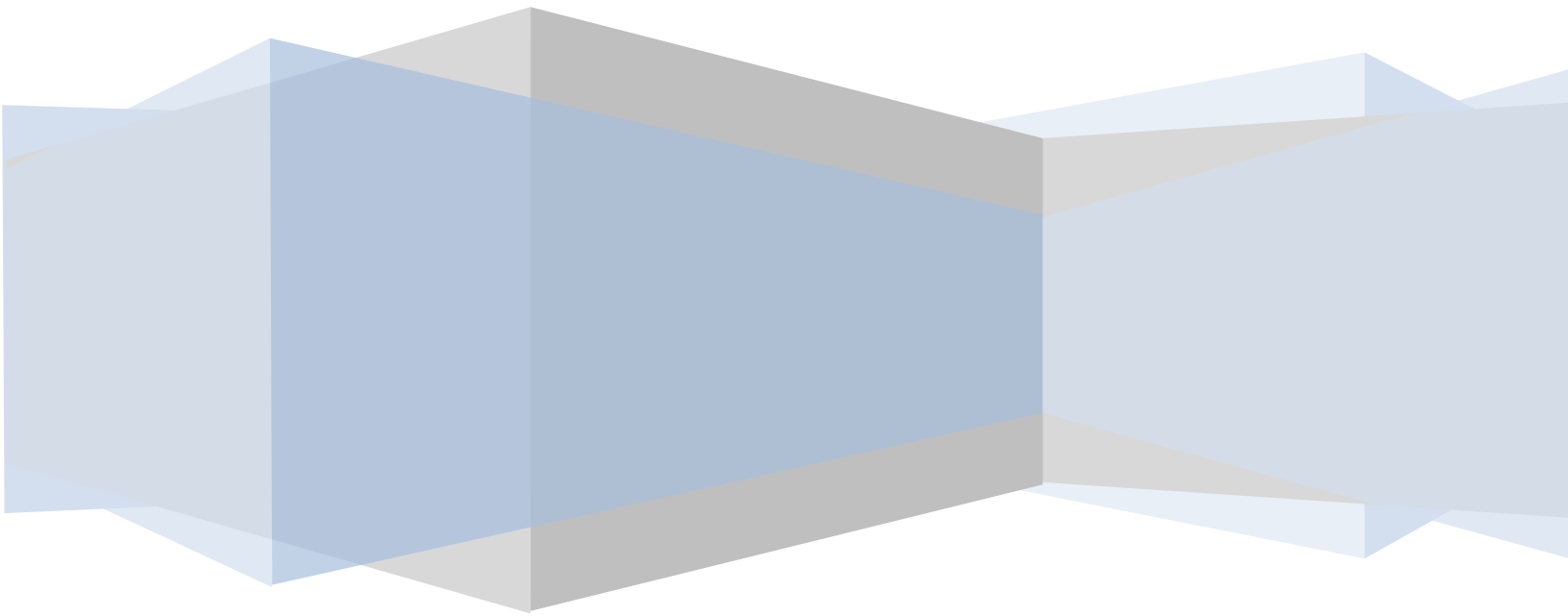
Contents

1 Personal information

First Name: *Abdelkader*
Last Name: *Dehici*
Date of Birth: *October 24, 1969*
Place of Birth: *Annaba, Algeria.*
Nationality: *Algerian*
Personal address: *city 384 housing units, building 32 no 314, Guelma.*
Current professional address: *department of mathematics and computer science, faculty of science and technology, BP 1553 - university of Souk-Ahras (41000) Souk-Ahras.*
Phone: 037-11-62-68
Cell Phone: 07 98-11-10-98
Languages: *Arabic, English and French.*

2 Education

2.1 High school

- ❖ **Baccalaureate mathematics series**
  Date of obtaining: *1988*
  Option: *Mathematics*
  Place: *High School of Safsaf-Annaba*

2.2 University course

- **Graduation diplomas:**
  - ❖ **D.E.S**
    Inscription date: *September 1991*
    Date of obtaining: *June 1992*
    Option: *Complex analysis and analytical mechanics*
    Place: *University of Annaba*
- **Post graduation diplomas:**
  - ❖ **D.E.A**
    Inscription date: *October 1993*
    Date of obtaining: *June 1994*
    Option: *Complex analysis with several variables*
    Place: *University of Aix-Marseille 1, France*.

❖ **Doctorate**

Inscription date: *December 1996*

Defense date: *MAY 12, 2000*

Option: *Pure and applied mathematics*

Title of the thesis: *Asymptotic behavior of semigroups of some transport equations, stability properties of essential spectra and Fredholm semigroups.*

Research Director: *Prof Khalid Latrach*

Reporters:

Pr. Mustapha Mokhtar Kharroubi (University of Franche-Comté, France)

Pr. Mustapha Mbekta (University of Lille 1, France)

Pr. El Hadi Aid Dads (University of Cadi Ayyad, Morocco)

Pr. Louisa Arlotti (University of Udine, Italy)

Examiners:

President: Pr. Pierre Orenga (University of Corse)

Pr. Jean Martin Paoli (University of Corse)

Place: *University of Corse, France.*

- **MODEL TEACHERS DURING MY UNIVERSITY COURSE:**

I was influenced pedagogically by the following teachers

1) **NADER ENNADER:** *taught us Topology and Algebra at the University of Badji-Mokhtar, Annaba in the academic years 1989/90 and 1990/91.*

2) **NAZDAR ISMAIL:** *taught us Algebra at the University of Badji-Mokhtar, Annaba in the academic year 1989/90.*

3) **BENZINE RACHID:** *taught us Complex Analysis at the University of Badji-Mokhtar, Annaba in the academic years 1990/91 and 1991/92.*

4) **CHRISTIAN SAMUEL:** *taught us Banach Algebra and Amenability at the University Aix-Marseille 1 in the academic year 1993/94.*

3 Professional career

Current Position: *Professor*
Major: Mathematics
Current University: *Souk-Ahras University*

3.1 Recruitment

Date of recruitment at the university at University of Guelma: *September 21, 2003*

Date of transfer from the University of Guelma to the University of Souk-Ahras: *November 1, 2008*

3.2 Assistant Professor Grade

Date of obtaining the Grade of Assistant Professor: *September 23, 2003*
Place: *University of Guelma*

3.3 Senior Lecturer Grade

Date of obtaining the Grade of Senior Lecturer: *September 23, 2003*
Place: *University of Guelma*

Note: In addition to the Equivalence with the Algerian state doctorate at the University of Guelma, which is a French doctorate plus 3 publications of class A and a publication of class B

3.4 Professor Grade

Date of transition to the grade of professor: *December 24, 2009*

4 Taught Modules

Differential Geometry, General Mathematics, Measure and Integration Theory, Complex Analysis And Geometry, Affine And Euclidean Geometry, Differential Calculus In Banach Spaces, Analysis, Geometry Of Curves And Surfaces, Optimization, Fourier Analysis, Applied Functional Analysis, Latex, Functional Calculus And Fredholm Theory, Differential Equations In Banach Spaces, Spectral Theory of Transport Equations, Fredholm Theory, Introduction To Operator Theory, Mathematical Logic.

5 Educational Activities

Year	Module	Level	Courses	Course Or TD	Place
2002-2003	Differential Geometry	4th year	D.E.S In Mathematics	Course + TD	Guelma University
	General Mathematics	2nd year	Economy	TD	
2003-2004	Differential Geometry	4th year	D.E.S In Mathematics	Course + TD	Guelma University
	General Mathematics	1st year	D.E.U.A In Computer Science	Course + TD	
2004-2005	General Mathematics	1st year	D.E.U.A Computer Science	Course + TD	Guelma University
	Measure And Integration Theory	3rd year	D.E.S In Mathematics	Course + TD	
2005-2006	Measure And Integration Theory	3rd year	D.E.S In Mathematics	Course + TD	Guelma University
	Complex Analysis And Geometry				
2006-2007	Measure And Integration Theory	3rd year	D.E.S In Mathematics	Course + TD	Guelma University
	Complex Analysis And Geometry				

2007-2008	*Measure And Integration*	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	*Guelma University*
	Affine And Euclidean Geometry				
	Differential Calculus In Banach Spaces				
	Analysis	*1st year*	*Bachelor in Mathematics*	*Td*	*Guelma University*
	Geometry Of Curves And Surfaces	*2nd year*		*Course + TD*	
2008-2009	*Differential Calculus In Banach Spaces*	*4th year*	*D.E.S In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Affine And Euclidean Geometry	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	*Souk-Ahras University*
	Optimization 1				
	Fourier Analysis				
2009-2010	*Applied Functional Analysis*	*1st year*	*The Doctoral School Of Developmental Mathematics*	*Course*	*University of Annaba*
2009-2010	*Optimization 1*	*3rd year*	*Bachelor in Mathematics*	*Course + TP*	*Souk-Ahras University*
	Affine And Euclidean Geometry			*Course + TD*	
	Latex				
	Fourier Analysis				

2009-2010	*Functional Analysis 2*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Functional Calculus And Fredholm Theory 2				
2010-2011	*Differential Equations In Banach Spaces*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Spectral Theory of Transport Equations				
2010-2011	*Affine And Euclidean Geometry*	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Fredholm Theory)				
	SEM Y (Differential Calculus In The Spaces Of Banach)	*1st year*	*Master In Mathematics*	*Course + TD*	
2011-2012	*Measure And Integration*	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Fredholm Theory)				
	Differential Equations In Banach Spaces	*1st year*	*Master In Mathematics*	*Course + TD*	
	Spectral Theory Of Transport Equations				
	Functional Calculus And Fredholm Theory			*Course*	

	Measure And Integration	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Fredholm Theory)				
2012-2013	*Differential Equations In Banach Spaces*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Spectral Theory Of Transport Equations				
	Differential Calculus in Banach Spaces			*Course*	
	Measure And Integration	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Fredholm Theory)				
2013-2014	*Differential Equations In Banach Spaces*	*1st year*	*Master In Mathematics*	*Course + TD*	
	Spectral Theory Of Transport Equations				
	Differential Calculus in Banach Spaces			*Course*	
2014-2015	*Analysis I*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Differential Equations In Banach Spaces				

2014-2015	*Spectral Theory Of Transport equations*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Differential Calculus in Banach Spaces			*Course*	
	SEM X (Fredholm Theory)	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	
2015-2016	*Analysis I*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	Differential Equations In Banach Spaces				
	Spectral Theory Of Transport Equations				
	SEM X (Introduction To Operator Theory)	*3rd year*	*Bachelor in Mathematics*		
	Differential Calculus in Banach Spaces				
2016-2017	*Spectral Theory Of Transport Equations*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Introduction To Operator Theory)	*3rd year*	*Bachelor in Mathematics*		
2017-2018	*Spectral Theory Of Transport Equations*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Introduction To Operator Theory)	*3rd year*	*Bachelor in Mathematics*		

2018-2019	*Spectral Theory Of Transport Equations*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Introduction To Operator Theory)	*3rd year*	*Bachelor in Mathematics*		
2019-2020	*Spectral Theory Of Transport Equations*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Introduction To Operator Theory)	*3rd year*	*Bachelor in Mathematics*	*Course + TD*	
	Measure And Integration			*TD*	
2020-2021	*Spectral Theory Of Transport Equations*	*1st year*	*Master In Mathematics*	*Course + TD*	*Souk-Ahras University*
	SEM X (Introduction To Operator Theory)	*3rd year*	*Bachelor in Mathematics*	*Course*	
	Mathematical Logic	*2nd year*			

6 Research activities

- **Area of expertise:** *Functional Analysis*

6.1 International Publications

1) K. LATRACH and A. DEHICI, *Spectral properties and time asymptotic behaviour of linear transport equations in slab geometry*, Math. Methods and Appl. Sciences 24, (2001) 689-711 (Indexed A, IF 2020: 2.321)

2) K. LATRACH and A. DEHICI, *Relatively strictly singular perturbations, essential spectra, and application to transport operators*, J. Math. Anal. Appl., 252 (2000), 2, 767-789 (indexed A, IF 2020: 1.583)

3) K. LATRACH and A. DEHICI*, Remarks on embeddable semigroups in groups and a generalization of some Cuthbert's results*, Inter. J. Math. and Math. Sci. 22 (2003) 1421-1431 (indexed Scopus)

4) K. LATRACH and A. DEHICI, *Fredholm, Semi-Fredholm perturbations and essential spectra*, J. Math. Anal. Appl. 259 (2001), 277-301 (indexed A, IF 2020: 1.583)

5) A. DEHICI, A. JERIBI and K. LATRACH, *Spectral analysis of a Transport operator arising in growing cell populations*, Acta. Appl. Math (Springer) 92 (2006) 37-62 (indexed A, IF 2020: 1.215).

6) A. DEHICI and K. SAOUDI**,** *Some remarks on perturbation classes of semi-Fredholm and Fredholm operators*, Inter. J. Math. and Math. Sci., (2007) (indexed Scopus)

7) A. BOULBEBA, A. DEHICI, A. JERIBI and M. MNIF, *Some new properties in Fredholm theory, Schechter essential spectrum and application to transport theory*, J. Inequal. Appl. (2008) (indexed A, IF 2020: 2.491)

8) A. Dehici and N. Boussetila, *Properties of polynomially Riesz operators on some Banach spaces*, Lobachevskii J. Math. 32, 39-47, (2011). https://doi.org/10.1134/S1995080211010021 (Indexed Web of Sciences)

9) A. DEHICI and R. DEBBAR, *Some spectral properties of linear operators on exotic Banach spaces*, Lobachevskii J. Math., 33, 56–67 (2012). https://doi.org/10.1134/S1995080211040081 (indexed Web of Science)

10) A. DEHICI, *Some spectral properties in Banach spaces and application to transport theory*, Afr. Mat. 25, 933–947 (2014). https://doi.org/10.1007/s13370-013-0163-5. (Springer) (Indexed Scopus)

11) N. REDJEL and A. DEHICI, *On some fixed points of generalized contractions with rational expressions and applications*, Adv. Fixed Point Theory, 5 (2015), No. 1, 56-70.

12) N. REDJEL, A. DEHICI, E. KARAPINAR and I. ERHAN, *Fixed point theorems for (alpha, psi)-Meir-Keeler-Khan mappings*, J. Nonlinear Sci. Appl. 8 (2015), 955-964 (indexed A, IF 2015: 1.176)

13) N. REDJEL, A. DEHICI and I. ERHAN, *A fixed point theorem for Meir-Keeler type contraction via Gupta-Saxena expression*, Fixed Point Theory Appl., 2015, 115 (2015). https://doi.org/10.1186/s13663-015-0363-9 (Springer) (Indexed A, IF 2020: 2.110).

14) N. REDJEL and A. DEHICI, *Some compactness and interpolations results for linear Boltzmann equation*, Journal of Function Spaces, 2015, Article ID 370294, 8 pages http://dx.doi.org/10.1155/2015/370294 (indexed A, IF 2020: 1.807).

15) A. DEHICI, *On some properties of spectra and essential spectra in Banach spaces*, Sarajevo J. Math., Vol.11 (24), No.2, (2015), 219-234.

16) N. REDJEL and A. DEHICI, *Some results in fixed point theory and application to the convergence of some iterative processes*, Fixed Point Theory Appl., 2015, 173 (2015). https://doi.org/10.1186/s13663-015-0415-1 (2015) (indexed A, IF 2020: 2.110).

17) A. DEHICI and N. REDJEL, *Measure of noncompactness and application to stochastic differential equations*, Adv. Differ. Equ., 2016, 28 (2016). https://doi.org/10.1186/s13662-016-0748-z (indexed A, IF 2020: 2.803).

18) E. KARAPINAR, A. DEHICI and N. REDJEL, *On some fixed points of alpha-psi contractive mappings with rational expressions*, J. Nonlinear Sci. Appl., 10, 1569–1581, (2017). http://dx.doi.org/10.22436/jnsa.010.04.23 (indexed Web of Sciences).

19) A. DEHICI and N. REDJEL, *On some extensions of Nadler's fixed point theorem*, J. Nonlinear Sci. Appl., 10, 6159–6165, (2017). http://dx.doi.org/10.22436/jnsa.010.12.03 (Indexed Web of Sciences).

20) A. DEHICI, *Common fixed point theorems for semigroup actions of Kannan's type on strictly convex Banach spaces*, J. Fixed Point Theory Appl. 20, 100 (2018). https://doi.org/10.1007/s11784-018-0585-7 (Indexed A, IF 2020: 2.110).

21) A. DEHICI, *The strong convex compactness property and C_0-semigroups on some hereditarily indecomposable Banach spaces*, Sarajevo J. Math., Vol.14 (27), No.1, 113–123, (2018)

22) A. DEHICI, M. MESMOULI and E. KARAPINAR, *On the fixed points of Large-Kannan contraction mappings and applications*, Appl. Math. E-Notes, 19, 535-551, (2019). (Indexed Web of Sciences).

23) A. DEHICI, *Some remarks on generalized Kirk's process in Banach spaces and application*, Turk. J. Math., 43 (3), 1395 – 1406, (2019). https://doi.org/10.3906/mat-1807-166 (indexed A, IF 2020: 0.803).

24) S. ATAILIA, N. REDJEL and A. DEHICI, *Some fixed point results for generalized contractions of Suzuki type in Banach spaces*, J. Fixed Point Theory Appl., 21, 78 (2019). https://doi.org/10.1007/s11784-019-0717-8 (indexed A, IF 2020: 2.110).

25) A. DEHICI, *Normal structure and fixed point properties for some Banach algebras*, J. Fixed Point Theory Appl., 22, 7 (2020). https://doi.org/10.1007/s11784-019-0743-6 (indexed A, IF 2020: 2.110).

26) A. DEHICI, *Fixed points for right reversible semigroups satisfying the controllable punctual inequality*, J. Nonlinear Funct. Anal., Vol. 2020 (2020), Article ID 3, pp. 1-6. https://doi.org/10.23952/jnfa.2020.3 (indexed Web of Sciences).

27) S. ATAILIA, N. REDJEL and A. DEHICI, *Some fixed point results for (c)-mappings in Banach spaces*, J. Fixed Point Theory Appl. 22, 51 (2020). https://doi.org/10.1007/s11784-020-00787-4 (indexed A, IF 2020: 2.110).

28) A. Dehici, S. Atailia, *The fixed point property for (c)-mappings and unbounded sets*, arXiv preprint arXiv:2010.08647, 2020.

29) A. Dehici, S. Atailia, *Fixed points of asymptotically nonexpansive mappings with center 0 and applications*, arXiv preprint arXiv:2103.10727, 2021.

30) A. Dehici, N. Redjel, S. Atailia, *Normal Structure and Contractions which diminish Radius in Metric and Banach Spaces*, arXiv preprint arXiv:2106.16098, 2021.

31) A. Dehici, N. REDJEL and S. Atailia, *Fixed point results for generalized nonexpansive and Suzuki mappings with application in $L^1(\Omega, \sum, \mu)$,* Topological Methods in Nonlinear Analysis. (accepted for publication in 2021) (indexed A, IF 2020: 0.680)

6.2 International Communications

1) A. DEHICI, M.T. BOUAZZA and S. BOURAS, *"REFLECTING ONE DIMENSIONAL TRANSPORT EQUATIONS WITH UNBOUNDED COLLISION PARAMETERS",* The Proceedings of the 14th Symposium of the Tunisian Mathematical Society (SMT), (HAMMAMET), March 20-23, 2006 (POSTER)

2) A. DEHICI, *"ON AN OPEN ISSUE CONCERNING SEMI-FREDHOLM DISTURBANCES",* The Proceedings of the 14th Symposium of the Tunisian Mathematical Society (SMT), (HAMMAMET), March 20-23, 2006 (ORAL)

3) A. DEHICI, *"DISTURBANCES OF FREDHOLM AND NEARLY-NILPOTENT OPERATORS"*, The Proceedings of the 15th Symposium of the Tunisian Mathematical Society (SMT), (SOUSSE), March 22-29, 2007 (ORAL)

4) A. BOULBEBBA, A. DEHICI, A. JERIBI and MAHER MNIF, *"SOME NEW PROPERTIES IN FREDHOLM THEORY, SCHECHTER ESSENTIAL SPECTRUM AND APPLICATION TO TRANSPORT THEORY",* The Proceedings of the 15th Symposium of the Tunisian Mathematical Society (SMT), (SOUSSE), March 22-29, 2007 (ORAL)

5) A. DEHICI, *"SOME REMARKS ON FREDHOLM AND SEMI-FREDHOLM PERTURBATIONS",* The 27th Annual Great Plains Operator Theory Symposium (GPOTS-2007), University of Nebraska–Lincoln, May 15–20, 2007 (ORAL)

6) A. DEHICI, *"MEASURE OF NONCOMPACTNESS (THEORETICAL RESULTS AND APPLICATIONS)"* , International conference on PDEs and applications (GUELMA-ALGERIA), November 5-7, 2007 (ORAL)

7) R. DEBBAR, N. ARIBI ET A. DEHICI, *"STOCHASTIC APPROACH IN NEUTRONIC TRANSPORT THEORY"*, International conference on PDEs and applications (GUELMA-ALGERIA), November 5-7, 2007 (ORAL)

8) A. DEHICI, *"MEASURE OF NONCOMPACTNESS AND SOME NEW RESULTS IN FREDHOLM THEORY"*, the Proceedings of the 16th symposium of the Tunisian Mathematical Society (SMT), (SOUSSE), March 17-20, 2008 (POSTER)

9) A. DEHICI, *"SMYTH DECOMPOSITION, POLYNOMIALLY RIESZ OPERATORS AND SOME OPEN PROBLEMS IN BANACH SPACES"*, International conference in operator theory, (SOUSSE), February 16-20, 2009 (ORALE)

10) A. DEHICI, *"WEST DECOMPOSITION IN BANACH SPACES"*, 2nd edition of the spring school of functional analysis, (RABAT), February 18-23, 2009 (ORALE)

11) A. DEHICI AND N. REDJEL, *"CONDENSING OPERATORS AND APPLICATIONS TO STOCHASTIC DIFFERENTIAL EQUATIONS"*, International conference in fixed point theory and applications (ICFPTA), (ISTANBUL), July 20-24, 2015 (ORALE)

12) A. DEHICI, *"STRUCTURES OF BANACH SPACES, SPECTRUM APPLICATIONS AND ESSENTIAL SPECTRUM"*, Third study days of the LAFGE laboratory, University of M'sila, December 07-08, 2016 (Plenary).

13) A. DEHICI, *"STRUCTURES OF BANACH SPACES, SPECTRUM APPLICATIONS AND ESSENTIAL SPECTRUM",* First Maghrebian Workshop on order and Banach spaces of the LATAO laboratory, University of el Manar Tunis, May 08-11, 2017 (Plenary).

14) A. DEHICI, *"SOME REMARKS ON KIRK'S GENERALIZED ITERATIVE PROCESS",* The 11th ISAAC congress, VAXJO (SWEDEN), August 14-18, 2017 (ORAL).

15) A. DEHICI, *"ORTHOGONALITY AND FIXED POINT RESULTS FOR GENERALIZED NONEXPANSIVE MAPPINGS IN BANACH SPACES",* International Workshop in Nonlinear Analysis and Applications Granada (SPAIN), July 07-09, 2018 (ORAL).

16) A. DEHICI, *"FIXED POINT PROPERTIES OF NONEXPANSIVE MAPPINGS AND KANNAN APPLICATIONS",* LFAGS Laboratory Days, UNIVERSITY OF M'SILA, December 12-13, 2018 (ORAL).

17) A. DEHICI, *"ON SOME OPEN PROBLEMS IN FIXED POINT THEORY",* 24th Congress of the SMT, (SOUSSE), MARCH 18-21, 2019, (POSTER)

6.3 Approved Research Projects

1) 2005-2008: *"ASYMPTOTIC ANALYSIS OF SOME NEUTRONIC TRANSPORT EQUATIONS".* Code: D2301/08/05. Project completed with a Positive Review.

2) 2008-2011: *"STOCHASTIC APPROACH IN TRANSPORT THEORY".* Code: D01120070070. Project completed with a Positive Review.

3) 2011-2013: PNR in pure mathematics with a group from the University of M'sila under the direction of Professor Lahcène Mezrag.

6.4 Reviewer in international renowned journals

1) *"Fixed Point Theory and Applications"*
2) *"Bulletin of Mathematical Analysis and Applications"*
3) *"Journal of Convex Analysis and Optimization"*
4) *"Journal of Mathematics and Computer Sciences"*
5) *"Journal of Mathematical Analysis"*
6) *"British Journal of Mathematics and Computer Sciences"*
7) *"Iranian Journal of Mathematical Sciences and Informatics"*
8) *"Filomat"*

6.5 Scientific Stays Abroad

1) Stay of 15 Days at Atilim University in Ankara, TURKEY in January 2015 invited by Prof. Erdal Karapinar.

2) Stay of 15 Days at the University of Alberta in CANADA from November 23 to December 07, 2017 invited by Prof. Anthony To-Ming Lau.

3) Stay of 15 Days at the University of Alberta in CANADA from November 23 to December 07, 2017 invited by Prof. Anthony To-Ming Lau.

7   ANIMATIONS, PEDAGOGICAL AND SCIENTIFIC ACTIVITIES WITHIN THE POST-GRADUATION

1) 2005/2006: Provided the module of mathematical techniques and numerical methods for the students of 1st Year Magister in electronics (Option: SIGNALS).

2) 2005/2006: Provided the Functional Analysis and PDE module for 1st Year, Magister in Mathematics, students (Option: Probabilities and Statistics).

3) 2005/2006: President of the pedagogical committee of the Magister (Option: Probabilities and Statistics).

4) 2006/2007: Provided the module of mathematical techniques and numerical methods for the students of 1st Year Magister in Mechanics (Khenchela university center).

5) Member of the scientific committee for the international seminar on PDEs and applications organized at Guelma, Algeria in November 5-7, 2007.

6) 2004-2006: Member of the Scientific Council of the Faculty of Science and Engineering.

7) 2004-2008: Member of the scientific council of the exact sciences department.

8) Responsible for the Master of Applied Mathematics which is approved from the academic year 2009/2010.

9) Responsible for the Bachelor of Fundamental Mathematics which is approved from the academic year 2009/2010.

10) President of the scientific committee of the national seminar of functional analysis, PDE and optimization (AEO 2010) which is organized at Souk-Ahras in May 17-18, 2010.

11) Head of the Souk-Ahras pole for the doctoral school of Developmental Mathematics in the academic years: 2009/2010 and 2010/2011 at the pilot pole at the University of Badji-Mokhtar, Annaba.

12) 2010-2013: Responsible of domain of Mathematics and Computer Science.

13) 2010 -2013: Member of the Scientific Council of the University of Souk-Ahras.

14) 2011 -2013: Member of CPND (National Pedagogical Committee of the Domain).

15) 2013-2017: Member of the Scientific Council of the Faculty of Science and Technology.

16) 2014 -2017: President of the scientific committee of the mathematics and computer science department.

17) President of the scientific committee of the national day of functional analysis, PDE and optimization (AEO 2015) organized in Souk-Ahras on May 10, 2015.

18) President of the CFD (Doctoral Formation Committee) of mathematics which is opened in 2017.

19) President of the CSF (Scientific Council of the Faculty) from December 2017 to 2019.

20) Several times expert at CRUEST level.

7.1 Member of the jury for theses and dissertations:

1) 2004: Member of the jury of the Magister thesis of AIDOUD MOHAMED entitled: *"Application of inverse problems to imagery",* at university of Guelma.

2) 2004: Member of the jury of the Magister thesis of DEBECHE MEHDI entitled: *"Application of PDE to imagery",* at university of Guelma.

3) 2006: Member of the jury of doctoral thesis of BOUSSETILA NADJIB entitled: *"Study of non-local problems and regularization of ill-posed problems"*, at university of Annaba.

4) 2006: Member of the jury for the habilitation thesis of AISSAOUI MOHAMED ZINE at university of Annaba.

5) 2006: Member of the jury for the habilitation thesis of LASKRI YAMINA at university of Annaba.

6) 2008: President of the jury of the Magister thesis of SERRAR MOHAMED entitled: *"Stochastic calculus with respect to the Rosenblatt process"* at university of Guelma.

7) 2008: Member of the jury of the Magister thesis of ZITOUNI SALAH entitled: *"On Lototsky-Schnabl operators"* at university of Annaba.

8) 2008: Member of the jury of the Magister thesis of Mehallel El Hadi entitled: *"Utilization of PDE techniques and multiresolution analysis for medical diagnosis"* at university of Guelma.

9) 2008: Member of the jury of the Magister thesis of DRICI DJALEL entitled: *"Markovian methods and wavelet analysis for processing satellite images"* at university of Guelma.

10) 2009: President of the jury of the Magister thesis of KHOUALDIA WACILA entitled: *"Statistical study of the rainfall regime: case of the city of Souk-Ahras"* at university center of Souk-Ahras.

11) 2009: Member of the jury of the Magister thesis by BOUHNIK ANISE entitled: *"Study of saddle points"* at university center of Souk-Ahras.

12) 2010: Member of the jury of the habilitation thesis of KAMEL HAOUAM at university of Constantine.

13) 2014: Member of the jury of the habilitation thesis of ABDELHAK DJEBABLA at university of Annaba.

14) 2015: Member of the jury for the habilitation thesis of ARDJOUNI ABDELWAHEB at university of Annaba.

15) 2018: Member of the jury for the doctoral thesis of ALOUANI AHLEM entitled: *"On the ideals of summing operators"* at university of M'Sila.

16) 2019: Member of the jury for the habilitation thesis of KHEMIS RABAH at university of Annaba.

8 Supervision

8.1 D.E.S

Trinomial Names	GUEBBAI HAMZA, GHARBI AYYOUB and FERTAS ASSIA
Thesis Title	Some remarks on Morse's theory and Sard's problem
Defense Date	2004
Place Of Defense	University of Guelma

8.2 Bachelor degree

Binomial Names	MENNAI NAIMA and MADJRI SARA
Thesis Title	Closed operators with dense domains on Banach spaces
Defense Date	2009
Place Of Defense	University of Souk-Ahras

8.3 Master degree

Candidate Name	MENNAI NAIMA
Thesis Title	Study of the spectral properties of a nonlinear problem intervening in population dynamics
Defense Date	2011
Place Of Defense	University of Souk-Ahras

Candidate Name	SOUALHIA IMENE
Thesis Title	Some compactness properties in transport theory
Defense Date	2011
Place Of Defense	University of Souk-Ahras

Candidate Name	ATARSSIA SALIMA
Thesis Title	Study of a multigroup problem in transport theory
Defense Date	2011
Place Of Defense	University of Souk-Ahras

Candidate Name	SID FADIA
Thesis Title	Spectral of a transport problem in plane geometry
Defense Date	2012
Place Of Defense	University of Souk-Ahras

Candidate Name	TOUMI LAID
Thesis Title	Non-compactness Measure and application to a nonlinear transport problem
Defense Date	2012
Place Of Defense	University of Souk-Ahras

Candidate Name	FEDDAOUI ABDELMALEK
Thesis Title	Spectral results in Banach spaces and applications to transport equations
Defense Date	2013
Place Of Defense	University of Souk-Ahras

Candidate Name	MESMOULI MOUATAZ BILLEH
Thesis Title	Spectral results in transport theory with bouncing boundary conditions
Defense Date	2013
Place Of Defense	University of Souk-Ahras

Candidate Name	ZEGGARI IMENE
Thesis Title	Stochastic approach in transport theory
Defense Date	2014
Place Of Defense	University of Souk-Ahras

Candidate Name	DRARJIA AHMED
Thesis Title	Singular transport on L_1
Defense Date	2014
Place Of Defense	University of Souk-Ahras

Candidate Name	ABAIDIA AICHA
Thesis Title	Compactness and interpolation in transport theory
Defense Date	2015
Place Of Defense	University of Souk-Ahras

Candidate Name	BCHAYRIA BESMA
Thesis Title	Some Aspects of Fredholm Theory and Applications
Defense Date	2015
Place Of Defense	University of Souk-Ahras

Candidate Name	GOUASMIA NORA
Thesis Title	On a nonlinear problem in transport theory
Defense Date	2016
Place Of Defense	University of Souk-Ahras

Candidate Name	FETAIRIA HAJER
Thesis Title	Fixed points for α-ψ contraction mappings on metric spaces
Defense Date	2016
Place Of Defense	University of Souk-Ahras

Candidate Name	GUEFFASSA IMENE
Thesis Title	Singular reflexive transport
Defense Date	2017
Place Of Defense	University of Souk-Ahras

Candidate Name	GUED EL OUD SABAH
Thesis Title	Fixed points for Hardy-Rogers type mappings with non-constant parameters
Defense Date	2017
Place Of Defense	University of Souk-Ahras

Candidate Name	MEHAL AIN MERWA
Thesis Title	Transport operator and dissipativity
Defense Date	2018
Place Of Defense	University of Souk-Ahras

Candidate Name	TAIBI ABDELHALIM
Thesis Title	Compactness and uniform continuity in transport theory
Defense Date	2020
Place Of Defense	University of Souk-Ahras

Candidate Name	Bouhamma Dhoha
Thesis Title	Study of fixed points of asymptotically nonexpansive mappings of center 0 and applications
Defense Date	2021
Place Of Defense	University of Souk-Ahras

8.4 Magister degree

Candidate Name	RABAH DEBBAR
Thesis Title	Study of some nonlinear problems intervening in transport theory
Defense Date	2008
Place Of Defense	University of Constantine

Candidate Name	NAIMA ARIBI
Thesis Title	Semi-groups and spectral results in transport theory
Defense Date	2008
Place Of Defense	University of Souk-Ahras

8.5 Doctorate

Candidate Name	SAOUDI KHALED
Thesis Title	Spectral analysis of transport equations and some properties of certain classes of disturbances in Banach spaces
Defense Date	2009
Place Of Defense	University of Constantine

Candidate Name	RABAH DEBBAR
Thesis Title	Decomposition of Riesz operators and spectral properties of certain classes of disturbances in rich and exotic Banach spaces
Defense Date	2013
Place Of Defense	University of Constantine

Candidate Name	REDJEL NAJEH
Thesis Title	Some fixed points results and applications
Defense Date	2016
Place Of Defense	University of Constantine

Candidate Name	ATAILIA SAMI
Thesis Title	Fixed point theory and the geometry of Banach spaces
Defense Date	2021
Place Of Defense	University of Souk-Ahras