



# CURRICULUM VITAE

## Professor Lahcen OUKHTITE

### 1. PERSONAL DATA

Full Name: Lahcen OUKHTITE

Gender: male

Date of Birth: 01/01/1970

Nationality: Moroccan

Complete Postal Address: S. M. Ben Abdellah University, Department of Mathematics

Faculty of Sciences and Technology, P.O. Box 2202 Fez-Morocco

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### 2. FIELD OF SPECIALIZATION

Ring Theory, commutativity and structure of rings and near-rings, derivations in associative rings, near-rings and Banach algebras, coding theory, central simple algebras with involution, semisimple algebras, graph Theory.

### 3. ACADEMIC QUALIFICATIONS

#### 1. DEGREES:

- **1995 CEA** in Mathematics, University of Fez, Morocco.
- **2000 Phd (Doctorat)** in Mathematics, University of Fez, Morocco.
- **2006 HDR** in Mathematics, University of Meknes, Morocco.

#### 2. LANGUAGES:

- French: read, write, understand and speak fluently.
- English: read very well, understand well, write and speak reasonably.
- Arabic, native language.

#### 3. Teaching Experience:

23 years

#### 4. Research Experience:

26 years

#### 4. PROFESSIONAL EXPERIENCE

##### ❖ ACADEMIC POSITIONS:

**2015-** Full Professor, Faculty of Science and Technology, University of Fez, Morocco

**2013-2015** Associate Professor, College of Science, Taibah University, Saudi Arabia

**2006-2013** Associate Professor, Faculty of Science and Technology, University of Meknes, Morocco

**2001-2006** Assistant Professor, Faculty of Science and Technology, University of Meknes, Morocco

##### ❖ CONFERENCE ORGANIZATION:

1. Co-chair of the organizing committee of the International Conference on Algebra and its applications, to be held in July 2-3, 2023 FST Fez, Morocco.
2. Member of the scientific committee of the "7th International Arab Conference on Mathematics and Computations 11-13 May, 2022 at Zarqa University, Jordan
3. Chairman of the organizing committee of the International conference on Mathematics and its applications, to be held december 2-3, 2022 FST Fez, Morocco.
4. Co-chair of the organizing committee of "Rencontre Nationale du Laboratoire Modélisation et Structures Mathématiques" 3-4 décembre 2021, FST Fez, Morocco.
5. Member of the organizing and scientific committee of the "3ème Rencontre du Laboratoire Algèbre, Analyse Fonctionnelle et Applications" June, 21-22, 2019, FST Fez, Morocco.
6. Member of the organizing and scientific committee of the "journées nationales sous le thème : Algèbre, Théorie des Nombres et leurs applications", 24-25, November 2017, Faculté des Sciences Oujda, Morocco.
7. Member of the organizing and scientific committee of the "International Conference on Algebra and its Applications", April 26-28, 2017, FST Errachidia, Morocco.
8. Member of the organizing and scientific committee of "International Workshop on Algebra and Applications" June 18-22, 2014, FST Fez, Morocco.
9. Member of the organizing committee of de "International Meeting on Applied Mathematics in Errachidia" April 23-27, 2012, Errachidia, Morocco.
10. Member of the organizing and scientific committee of the "Deuxième édition de la Rencontre Nationale en Informatique : Outils et Applications RNIOA' 2010", October 7-8, 2010, FST Errachidia, Morocco.
11. Member of the organizing committee of the "la Rencontre Nationale en Informatique : Outils et Applications", June 5-7, 2008, Errachidia, Morocco.

12. Member of the organizing committee of the "Colloque International de Mathématique Physique", June 1-3, 2006, FST Errachidia, Morocco.
13. Member of the organizing committee of "la 2ème Conférence Internationale sur les Phénomènes Non Linéaires: Modélisation et Analyse", April 24-26, 2005, FST Errachidia, Morocco.
14. Member of the organizing committee of "Journées Scientifiques de Sécurité de l'Information et Cryptographie", December 16-17, 2005, FST Fez, Morocco.
15. Member of the organizing committee of "Journées d'Algèbre-Théorie des Nombres et Applications à la Cryptographie", May 4-7, 2004, FST Fez, Morocco.
16. Chairman of the organizing committee of "la première Rencontre Nationale d'Algèbre et Théorie Algébrique des Nombres", October 18-19, 2002, FST Errachidia, Morocco.
17. Member of the organizing committee of the "deuxième Colloque International d'Algèbre et Théorie des nombres", November 7-9, 2001, FST Fez, Morocco.
18. Member of the organizing committee of "Journées sur les Algèbres de Hopf", May 4, 5 and 8, 2000, FST Fez, Morocco.
19. Member of the organizing committee of "Journées d'Algèbre et Théorie des Nombres", April 10-11, 2000, FST Fez, Morocco.

#### ❖ **CONFERENCE ATTENDANCE & PRESENTATIONS:**

- ❖ Second International Conference on Mathematis and Applications, November 9-13, 2023 Antalya-Turkey (Plenary lecture)
- ❖ Rencontre Nationale du Laboratoire Modélisation et Structures Mathématiques, 3-4 décembre 2021, FST Fez, Morocco (Plenary lecture)
- ❖ 3ème Rencontre du Laboratoire Algèbre, Analyse Fonctionnelle et Applications, June, 21-22, 2019, FST Fez, Morocco (Plenary lecture)
- ❖ International Conference on Algebra and its Applications, April 26-28, 2017, Faculté des Sciences et Techniques Errachidia-Morocco (Plenary lecture)
- ❖ Journées nationales sous le thème : Algèbre, Théorie des Nombres et leurs applications, 24-25, November 2017, Faculté des Sciences Oujda, Morocco (Plenary lecture)
- ❖ International Conference on Recent Advances in Pure and Applied Mathematics, Bodrum-Mugla, Turkey, May 19-23, 2016 (talk)
- ❖ Colloque de Mathématiques en l'honneur des Mathématiciens Marocains à l'étranger, September 22-24, 2016, Faculté des Sciences Kénitra, Morocco (Plenary lecture)
- ❖ Rencontre du Laboratoire d'Algèbre, Analyse Fonctionnelle et Applications. FST Fès December, 4-5, 2015 (Plenary lecture)
- ❖ International Workshop on Algebra and Applications, FST Fès-Morocco, June 18-23, 2014 (Plenary lecture)

- ❖ Rencontre des Algébristes, Rabat 2013, June 19 - 20, 2013, University Mohamed V, Rabat, Morocco (talk)
- ❖ 5th Podlasie Conference on Mathematics, June 25-28, 2012, Poland (talk)
- ❖ 77<sup>th</sup> Workshop on General Algebra, 24th Conference for Young Algebraists, March 20-22, 2009, Germany (talk)
- ❖ 2nd International Conference on Linear Preservers and Operator Theory, June 2-6, 2008, Meknès-Morocco (talk)
- ❖ Colloque International "Algèbres et leurs représentations : Algèbres à involutions, April 11-13, 2007, El Jadida-Morocco (talk)
- ❖ Colloque International de Mathématique Physique, June 1-3, 2006, Errachidia-Morocco (talk)
- ❖ International Congress of Mathematicians 2006, August 22-30, 2006, Spain. (talk)
- ❖ Congrès International d'Algèbre, Théorie des Nombres et leurs applications, May 11-14, 2006, 2006, Oujda-Morocco (talk)
- ❖ Conference on Algebra and its Applications, March 22-26, 2005, Ohio University.
- ❖ 2<sup>ème</sup> Colloque International d'Algèbre et Théorie des Nombres, November 7- 9, 2001, Fez-Morocco (talk)
- ❖ Fourth International Conference on Commutative Ring Theory and its Applications, June 5-12, 2001, Fez, Morocco (talk).
- ❖ Première rencontre Marocain Andaloue d'Algèbre et ses Applications, September 26-28, 2001, Tétouan, Morocco.
- ❖ Journées d'Algèbre et Théorie des Nombres, April 10-11, 2000, Fez-Morocco (talk)

## 5. COMMUNITY SERVICES

1. Referee for "Comm. Algebra"
2. Referee for "Bull. Austral. Math. Soc."
3. Referee for "Canad. Math. Bull."
4. Referee for "Algebra Colloq."
5. Referee for "Southeast Asian Bull. Math."
6. Referee for "Turk. J. Math."
7. Referee for "East west J. Math."
8. Referee for "J. Korean Math. Soc."
9. Referee for "Bull. Korean Math. Soc."
10. Referee for "Indian J. Math., Indian J. Pure & Appl. Math."
11. Referee for "Taiwanese J. Math."
12. Referee for "Hacetatepe J. Math. Statistics"
13. Referee for "Acta Math. Sinica"

14. Referee for "Comm. Korean Math. Soc."
15. Referee for "Bull. Iranian Math. Soc."
16. Referee for "Indian J. Math."
17. Member of the editorial board of "Math-Recherche et Applications".  
<https://revues.imist.ma/index.php/MRA/>
18. Member of the editorial board of "Moroccan Journal of Algebra and Geometry with Applications"  
<https://ced.fst-usmba.ac.ma/p/mjaga/>
19. Member of the editorial board of "Asian Journal of Algebra".  
<https://scialert.net/eboard.php?issn=1994-540x>
20. Member of the editorial board of "Int. J. of Open Problems in Computer Science and Mathematics"  
<http://www.ijopcm.org/EditorialBoard.pdf>
21. Member of the editorial board of "General Letters in Mathematics"  
<https://www.refaad.com/Journal/EditorialBoard/1>
22. Member of the editorial board of "Aligarh Bulletin of Mathematics"  
[http://tabmaths.com/editorial\\_board.php](http://tabmaths.com/editorial_board.php)
23. Expert Evalueur CNRST, Morocco: october 9, 2019 - october 9, 2022
24. Director of the Modeling and Mathematical Structures Laboratory, Faculty of Sciences and Technology, University S. M. Ben Abdellah Fès, Morocco (2022-...)
25. Co-head of Mathematics Department , Faculty of Sciences and Technology, University S. M. Ben Abdellah Fès, Morocco (2020-...)
26. Member on the Department of Mathematics Council, Faculty of Sciences and Technology, University of Meknes, Morocco (2002-2009).
27. Organizer of mathematics department Algebra seminars (2003-2005)
28. Co-head of the Department of Mathematics, Faculty of Sciences and Technology, University of Meknes, Morocco (2002-2005)

## 6. MASTER THESIS SUPERVISED

### ❖ MASTER THESIS SUPERVISED

1. J. Nafie, "Invariants d'une Algèbre Centrale Simple à Involution", Univ. of Fez, Morocco, November 8, 2008.
2. R. Sayad, "Bases de Grobner et leurs Applications en Cryptographie", Univ. of Fez, Morocco, December 27, 2009.
3. T. Dana, "Structure of some prime rings", Univ. of Taibah, June 24, 2013.
4. H. Lmir, "Etude de la structure de quelques anneaux non commutatifs", Univ. of Fez, February 17, 2017.
5. Karim BOUCHANNAFA, "Centroïde étendu d'un anneau premier et quelques applications", Univ. of Fez, January 17, 2019.

6. Siham ARCHOU, "L'interaction entre certaines propriétés des anneaux non commutatifs et la théorie des graphes, Univ. of Fez, June 17, 2019.
7. Jamal ATTMANI, "La structure des graphes de diviseurs de zéro, de commutation et de co-diviseurs de zéro" Univ. of Fez, June 22, 2020.
8. Meryem AMRI, "Introduction à l'algèbre non commutative" Univ. of Fez, July 09, 2021.
9. Ikram BENLAKTIT, "Théorie algébrique des graphes" Univ. of Fez, July 09, 2021.
10. Abderrahman HERMAS, "Differential identities in rings and algebra" Univ. of Fez, July 09, 2021.
11. Soulaïman Lmssaid, "Etude de certains graphes sous des propriétés algébriques" Univ. of Fez, December 30, 2021.

❖ **Member of the Examining Committee for Master Thesis**

1. Boua, "Les algèbres cycliques", Univ. of Fez, Morocco, November 19, 2008.
2. N. Berrahou, "Lemme de Hensel et applications", Univ. of Fez, Morocco, October 22, 2008.
3. M. Elhassani, "Les Algèbres Indécomposables", Univ. of Fez, Morocco, November 21, 2008.
4. M. Sabiri, "Interaction entre les algèbres à division graduées et interaction entre les algèbres à division valuées", Univ. of Fez, Morocco, October 15, 2007.
5. J. Nafie, "Invariants d'une Algèbre Centrale Simple à Involution", Univ. of Fez, Morocco, November 8, 2008.
6. R. Sayyad, "Bases de Gröbner et applications", Univ. of Fez, Morocco, December 27, 2008.
7. Moutu Abdou Salam, "Sur l'amalgamé d'un anneau le long d'un idéal," FST, Univ. of Fez, Fez, Morocco, 27 June 2011.
8. Karima Ismaili Alaoui, "Conditions autour de la cohérence," FST, Univ. of Fez, Fez, Morocco, 23 June 2012.
9. R. El Khalfaoui, "Amalgamated duplication of rings along an ideal", Univ. of Fez Morocco, June 16, 2016.
10. Sanae Moussaoui, "Autour de certaines extensions d'anneaux commutatifs," FST, Univ. of Fez, Fez, Morocco, 13 June 2017.
11. El Khalfi, "Transfert de quelques propriétés d'un anneau commutatif à certaines extensions d'anneaux" Univ. of Fez, Morocco, June 13, 2017.
12. M. Omari, "Les conditions de Prüfer dans les anneaux" Univ. of Fez, Morocco, June 13, 2017.
13. Mariam Lamrani, "Les anneaux et modules gradués," FST, Univ. of Fez, Fez, Morocco, 13 June, 2018.
14. Kaiba Khalid, "Les conditions de Prüfer dans certaines extensions d'anneaux commutatifs," FST, Univ. of Fez, Fez, Morocco, 12 June 2018.

15. Jihad Benzaid, "Dimensions homologiques de Gorenstein," FST, Univ. of Fez, Fez, Morocco, 17 June 2019.
16. Adam Anebri, "Autour de la bi-amalgamation d'anneaux le long des idéaux," FST, Univ. Of Fez, Fez, Morocco, 17 June 2019.

## 7. PH. D DISSERTATIONS SUPERVISED

### 1. Ph. D. DISSERTATIONS SUPERVISED

1. L. Taoufiq, "Dérivations et structure d'anneaux", Ph. D. Dissertation, University of Meknes, Morocco, July 11, 2009, Morocco.
2. S. Salhi, "Quasi-anneaux et leurs applications aux codes correcteurs" Doctorat d'Etat, University of Fez, November 14, 2006, Morocco (Co-director).
3. Boua, " Quasi-anneaux et leurs applications aux codes correcteurs" Ph. D. Dissertation, University of Meknes, Morocco, June 26, 2013, Morocco.
4. Mamouni, "Caratérisation de la commutativité des anneaux via l'action des derivations sur leurs idéaux de Jordan" Ph. D.Dissertation, University of Meknes, Morocco, June 26, 2013, Morocco.
5. Raji, "Structure des Quasi-anneaux" Ph. D. Dissertation, University of Meknes, December 26, 2015, Morocco.
6. B. Nejjar, "Sur les dérivations de certaines classes d'anneaux" Ph. D. Dissertation, University Ibn Tofaïl of Kenitra, December 16, 2017, Morocco.
7. O. Ait Zemzami, "Etude de la structure de certains anneaux non commutatifs" Ph. D. Dissertation, University of Fez-October 12, 2020, Morocco.
8. Idrissi, "Identités différentielles sur les anneaux premiers à involution" Ph. D. Dissertation, University of Fez- February 8, 2020, Morocco.
9. H. EL Mir, "Anneaux différentiels à involution" Ph. D. Dissertation, University of Fez, December 26, 2020, Morocco.
10. M. Zerra, "Etude de la structure d'une classe d'anneaux premiers" Ph. D. Dissertation, University of Fez- March 12, 2022.
11. K. Bouchannafa, "Etude de la structure d'un anneau quotient  $R/P$  via l'action de certaines applications additives sur l'idéal premier  $P$ " Ph. D. Dissertation, University of Fez May 13, 2023.
12. M. Jorf, "Graphes des diviseurs de zero sur des anneaux non commutatifs" Ph. D. Dissertation, University of Fez- Morocco (Dissertation In progress).
13. A. Hermas, "Identités différentielles dans les anneaux et les algèbres" Ph. D. Dissertation, University of Fez- Morocco (Dissertation In progress).
14. I. Benlaktit, "L'interaction entre certaines propriétés des anneaux et la théorie des graphes" Ph. D. Dissertation, University of Fez- Morocco (Dissertation In progress).
15. J. Benzaid, "Etude de la structure de certaines classes d'anneaux et algèbres" Ph. D. Dissertation, University of Fez- Morocco (Dissertation In progress).
16. J , Boutarfass , "Characterization and stability of some classes of derivations in quasi-Banach Algebras" Ph. D. Dissertation, University of Fez- Morocco (Dissertation In progress).

17. M. EL Hajjaji, "Identités différentielles sur les anneaux, applications aux algèbres de Banach" Ph. D. Dissertation, University of Fez- Morocco (Dissertation In progress).

## **2. Member on the Examining Committee for Ph. Thesis**

1. K. Charrabi, "Dérivations et applications additives associées sur certains anneaux spéciaux ", Ph. D. Dissertation, Faculty of Science Meknes, Morocco, December 30, **2023**.
2. A. Assarrar, "Extension de certaines propriétés algébriques à la théorie des anneaux gradués", Ph. D. Dissertation, University of Fes, Morocco, December 23, **2023**.
3. S. Belkadi, "Impact de quelques applications additives sur les anneaux et les algèbres spéciaux ", Ph. D. Dissertation, ENSA Agadir, Morocco, November 25, **2023**.
4. M. Aqalmoun, Habilitation Universitaire, University of Fes, Morocco, October 14, **2023**
5. A. Anebri, "Etude de certaines classes d'idéaux sur les anneaux commutatifs ", Ph. D. Dissertation, University of Fes, Morocco, November 12, **2022**.
6. M. Soibri, "Etude de quelques propriétés algébriques sur l'extension triviale et l'amalgamations d'anneaux", Ph. D. Dissertation, University of Fes, Morocco, May 21, **2022**.
7. M. Zerra, "Etude des applications additives sur les anneaux à involution" Ph. D. Dissertation, University of Fez- March 12, **2022**.
8. A. J. Alaoui, "Modélisation et analyse statistique et stochastique à mouvement Brownien de quelques problèmes réguliers : projections économétriques" Ph. D. Dissertation, University of Fez- January 21, **2021**.
9. A. EL Khalfi, "Transfert de certaines propriétés algébriques dans différents contextes d'anneaux commutatifs", Ph. D. Dissertation, University of Fes, Morocco, January 23, **2021**.
10. A. Riffi, "Extension de certaines propriétés algébriques aux anneaux et modules gradués", Ph. D. Dissertation, University of Meknes, Morocco, February 20, **2021**.
11. S. Essahel, "Sur la tour de 2-corps de classes de Hilbert de certains corps de nombres", Ph. D. Dissertation, University of Fes, Morocco, June 17, **2021**.
12. M. Ihia, "Les algorithmes pour protection de données numériques et les signatures digitales ", Ph. D. Dissertation, University Hassan II of Casablanca, FST Mohammedia, Morocco, September 25, **2021**.
13. S. Moussaoui, "Etude de certaines conditions algébriques et homologiques sur les anneaux commutatifs", Ph. D. Dissertation, University of Fes, Morocco, December 31, **2021**.
14. N. Snanou, "Modular representation of finite groups and extension problem", Ph. D. Dissertation, University of Fes, Morocco, December 28, **2021**.
15. O. Ait Zemzami, "Etude de la structure de certains anneaux non commutatifs" Ph. D. Dissertation, University of Fez-October 12, **2020**, Morocco.
16. O. Ouzzaoui, "l'étude de quelques propriétés algébriques des algèbres amalgamées liées aux structures de leurs idéaux premiers" Ph. D. Dissertation, University Cadi Ayad of Marrakesh- February 10, **2020**, Morocco.



17. R. EL Khalfaoui, "Classes de produits fibrés et d'extensions triviales d'anneaux définies par des conditions homologiques" Ph. D. Dissertation, University of Fez- February 1, **2020**, Morocco.
18. MY. A. Idrissi, "Identités différentielles sur les anneaux premiers à involution" Ph. D. Dissertation, University of Fez- February 8, **2020**, Morocco.
19. Y. Zahir, "Etude de certaines propriétés algébriques dans les extensions triviales et dans l'amalgamation d'anneaux" Ph. D. Dissertation, University of Fez- July 21, **2020**, Morocco.
20. R. EL ayadi, Habilitation universitaire, University of Fez- November 21, **2020**, Morocco.
21. H. EL Mir, "Anneaux différentiels à involution" Ph. D. Dissertation, University of Fez, December 26, **2020**, Morocco.
22. A. Elmahi, "Sur la  $Z_2$ -extension abélienne maximale non ramifiée de la  $Z_2$ -extension cyclotomique de certains corps biquadratiques réels" Ph. D. Dissertation, University of Oujda, July 15, **2019**, Morocco.
23. M. Issoual, "Autour des idéaux  $n$ -absorbants et des idéaux  $(m,n)$ -fermés d'anneaux commutatifs" Ph. D. Dissertation, University of Fez- November 16, **2019**, Morocco.
24. B. Fahid, "Dérivations et applications en relation avec les dérivations dans certains types d'anneaux et d'algèbres" Ph. D. Dissertation, University Mohamed V of Rabat- March 17, **2018**, Morocco
25. K. Belhroukia, "Approximations de fonctions de Bessel, d'opérateur de Heinz et transcendance de fractions continues" Ph. D. Dissertation, University Ibn Tofaïl of Kenitra- November 10, **2018**, Morocco.
26. B. Nejjar, "Sur les dérivations de certaines classes d'anneaux" Ph. D. Dissertation, University Ibn Tofaïl of Kenitra, December 16, **2017**, Morocco.
27. A. Ounasser, "Etude des méthodes de chiffrement et de cryptanalyse en cryptographie à clé publique", Ph. D. Dissertation, University Hassan II of Casablanca, FST Mohammedia, Morocco, December 29, **2017**.
28. M. Zeriouh, "La Propriété de la Faible Extension dans la Catégorie des Groupes Abéliens", Ph. D. Dissertation, University of Oujda, Morocco, May 28, 2016.
29. B. Ounir, "Développement en fractions continues matricielles, opérateur d'entropie et indépendance algébrique", Ph. D. Dissertation, University Ibn Tofaïl of Kénitra, FST Mohammedia, Morocco, October 24, 2016.
30. M. Taous, "Contribution à l'étude des problèmes de capitulation des 2-classes d'idéaux de certains corps de Dirichlet", Ph. D. Dissertation, University of Oujda, Morocco, November 17, 2015.
31. S. Salhi "Etude de certains aspects des actions des applications particulières sur des anneaux, calcul de la moyenne géométrique de deux matrices symétriques définies positives", Habilitation, FST Settat, October 7, 2015.
32. B. Chahrazade, "Les anneaux  $v$ -Nothériens, les anneaux faiblement cohérents et les anneaux d'Armendariz forts", Habilitation, University of Meknes, december 6, 2015.
33. K. A. Ismaili, "Autour de la cohérence et la propriété  $(n,d)$ -Krull dans l'amalgamé algébrique d'anneaux commutatifs", Ph. D. Dissertation, University of Fes, Morocco, November 14, 2015.

34. F. Amounas, "L'étude des aspects mathématiques et pratiques de la cryptographie elliptique et applications", Ph. D. Dissertation, Univ. Meknes, Morocco, May 25, 2013
35. F. Cheniour, "Autour de certaines propriétés homologiques dans des extensions d'anneaux commutatifs", Ph. D. Dissertation, University of Fes, Morocco, July 1, 2013.
36. K. Louartiti, "Autour de quelques propriétés algébriques sur l'amalgamée d'un anneau le long d'un idéal", Ph. D. Dissertation, University of Fes, Morocco, Jun 22, 2013.
37. F. Ali Ahmed Almahdi, "Transfert à différentes extension des propriétés d'anneaux concernant la semi-hérédité et les polynômes", Ph. D. Dissertation, University of Fez, Morocco, June 16, 2012.
38. M. Chhiti, "Transfert de quelques propriétés homologiques à la duplication amalgamée d'un anneau le long d'un idéal", Ph. D. Dissertation, University of Fez, Morocco, June 18, 2011.
39. M. Kabbour, "Extension triviales et amalgamations des anneaux arithmétiques et localisations", Ph. D. Dissertation, University of Fez, Morocco, July 9, 2011.
40. M. Tamekkante, "Dimensions homologiques de Gorenstein des anneaux et des modules", Ph. D. Dissertation, University of Fez, Morocco, July 3, 2010.
41. A. Rahmouni Hassani, "Transfert de quelques propriétés d'un anneau commutatif à l'extension triviale et au duplication amalgamée le long d'un idéal", Doctorat d'Etat, University of Fez, Morocco, April 30, 2009.
42. K. Ouarghi, "Dimension homologique de Gorenstein des anneaux et des modules", Ph. D. Dissertation, University of Fez, Morocco, July 4, 2009.
43. A. Jhilal, "Transfert de quelques propriétés homologiques dans différents contextes d'anneaux commutatifs", Ph. D. Dissertation, University of Fez, Morocco, 4 July, 2009.
44. A. Ouhadan, "Les symétries de Lie et leurs applications à la résolution des équations différentielles", Ph. D. Dissertation, University of Meknes, Morocco, June 6, 2005.

## 8. REFERENCES

- ❖ Prof. M. Samman, Taibah University. <msamman@kfupm.edu.sa>
- ❖ Prof. H. E. Bell, Brock University, St. Catharines, Ontario, Canada <hbell@brocku.ca>
- ❖ Prof. M. Ashraf, Aligarh University, India. <[mashraf80@hotmail.com](mailto:mashraf80@hotmail.com)>
- ❖ Prof. Vincenzo De Filippis, University of Messina, Italy [enzo.defilippis@unime.it](mailto:enzo.defilippis@unime.it)

## 9. LIST OF PUBLICATIONS

- [1] Involutions of semisimple group algebras, Arab. J. Sci. Eng. Sect. C Theme Issues 25 (2000), no. 2, 133-149 (with M. Boulagouaz).
- [2]  $\sigma$ -Semisimple rings, Beiträge Zur Algebra und Geometrie. 42 (2001), no. 2, 385-393 (with M. Boulagouaz).
- [3] Sur la continuité automatique des épimorphismes dans les  $*$ -algèbres de Banach, Int. J. Math. Math. Sci. 21-24 (2004), 1183-1187 (with A. Tajmouati and Y. Tidli).

- [4] Rings with a special  $\sigma$ -derivation, *Algebras, Groups and Geometries*. 22 (2005), no. 3, 375-386 (with S. Salhi).
- [5] Semisimple algebra with a positive involution, *Algebras, Groups and Geometries*. 22 (2005), no. 2, 233-240 (with M. Boulagouaz).
- [6] Witt group of hermitian forms over a noncommutative discrete valuation ring, *Int. J. Math. Math. Sci.* 7 (2005), 1141-1147.
- [7] Derivations as homomorphisms and anti-homomorphisms in  $\sigma$ -prime rings, *Algebras, Groups and Geometries*. 23 (2006), no. 1, 67-72 (with S. salhi).
- [8] Derivations and commutativity of  $\sigma$ -prime rings, *Inter. J. Contemp. Math. Sci.*, 1 (2006), no. (9-12), 439-448 (with S. Salhi).
- [9] On commutativity of  $\sigma$ -prime rings, *Glasnik Matematički*. 41 (2006), no. 1, 57-64 (with S. salhi).
- [10] On generalized derivations of  $\sigma$ -prime rings, *African Diaspora J. Math.* 5 (2006), no. 1, 19-2 (with S. Salhi).
- [11] Centralizing automorphisms of  $\sigma$ -prime rings, *Hadronic Journal*. 29 (2006), no. 3, 347-353.
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- [108] Derivations acting on open subsets in Banach algebras, *J. Algebra Appl.* 23 (2024), no. 4, 2450069 (with A. Hermas).
- [109] Generalized derivations with power values on Lie ideals and Banach algebras, *Georgian Math. J.* (in press) (with A. Hermas)

## 10. PUBLISHED BOOKS

- [1] Proceeding of the "International Workshop on Algebra and Applications" in "Gulf Journal of Mathematics", Volume 3, No. 2 (2015)  
Editors (L. Oukhtite, A. Kaidi, M. Samman and N. Mahdou).
- [2] Special section: "International Workshop on Algebra and Applications" in "Journal of Taibah University for Science" Volume 9, No 3 (July 2015)  
Editors (L. Oukhtite, A. Kaidi, M. Samman and N. Mahdou).
- [3] Algèbre linéaire cours et exercices corrigés: Cours et 175 exercices résolus. Éditions Universitaires Européennes, 2023.
- [4] A first step in Linear Algebra, (avec M. Samman) (in final step of publication).

## 11. RESEARCH VISITS

- ❖ Kind Abdul-Aziz University of Jeddah, April 8-28, 2018
- ❖ Taibah University, Saudi Arabia, October 01- 26, 2013.
- ❖ University of Potsdam, Institute of Mathematics, March 15-30, 2009
- ❖ Istanbul University, Faculty of Science, May 16-26, 2008.