

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.

3. ACADEMIC QUALIFICATIONS

❖ DEGREES:

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

❖ LANGUAGES:

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

❖ Teaching Experience:

17 years

❖ Research Experience:

20 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. Member of the Organizing and Scientific Committee of the "International Conference on Algebra and its Applications", April 26-28, **2017**, FST Errachidia, Morocco.
2. Member of the Organizing and Scientific Committee of "International Workshop on Algebra and Applications" June 18-22, **2014**, FST Fez, Morocco.
3. Member of the Organizing Committee of de "International Meeting on Applied Mathematics in Errachidia" April 23-27, **2012**, Errachidia, Morocco.
4. 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.
5. Member of the Organizing Committee of the "la Rencontre Nationale en Informatique : Outils et Applications", June 5-7, **2008**, Errachidia, Morocco.
6. Member of the Organizing Committee of the "Colloque International de Mathématique Physique", June 1-3, **2006**, FST Errachidia, Morocco.
7. 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.
8. Member of the Organizing Committee of "Journées Scientifiques de Sécurité de l'Information et Cryptographie", December 16-17, **2005**, FST Fez, Morocco.
9. Member of the Organizing Committee of "Journées d'Algèbre-Théorie des Nombres et Applications à la Cryptographie", May 4-7, **2004**, FST Fez, Morocco.
10. Chairman of the Organizing Committee of "la première Rencontre Nationale d'Algèbre et Théorie Algébrique des Nombres", October 18-19, **2002**, FST Errachidia, Morocco.
11. Member of the Organizing Committee of the "deuxième Colloque International d'Algèbre et Théorie des nombres", November 7-9, **2001**, FST Fez, Morocco.
12. Member of the Organizing Committee of "Journées sur les Algèbres de Hopf", May 4, 5 and 8, **2000**, FST Fez, Morocco.

13. Member of the Organizing Committee of "Journées d'Algèbre et Théorie des Nombres", April 10-11, **2000**, FST Fez, Morocco.

❖ **CONFERENCE ATTENDANCE & PRESENTATIONS:**

1. 2eme Colloque International d'Algèbre et Théorie des Nombres, November 7- 9, **2001**, Fez-Morocco. (talk)
2. Journées d'Algèbre et Théorie des Nombres, April 10-11, **2000**, Fez-Morocco. (talk)
3. Conference on Algebra and its Applications, March 22-26, **2005**, Ohio University.
4. Colloque International de Mathématique Physique, June 1-3, **2006**, Errachidia-Morocco. (talk)
5. International Congress of Mathematicians 2006, August 22-30, **2006**, Spain. (talk)
6. Congrès International d'Algèbre, Théorie des Nombres et leurs applications, May 11-14, **2006**, Oujda-Morocco. (talk)
7. Colloque International "Algèbres et leurs représentations : Algèbres à involutions", April 11-13, **2007**, El Jadida-Morocco. (talk)
8. 2nd International Conference On Linear Preservers and Operator Theory, June 2-6, **2008**, Meknès-Morocco. (talk)
9. 77th Workshop on General Algebra, 24th Conference for Young Algebraists, March 20-22, **2009**, Germany. (talk)
10. 5th Podlasie Conference on Mathematics, June 25-28, **2012**, Poland. (talk)
11. International Workshop on Algebra and Applications, FST Fès-Morocco, June 18-22, **2014** (Plenary lecture)
12. Rencontre du Laboratoire d'Algèbre, Analyse Fonctionnelle et Applications. FST Fès December, 4-5, **2015** (Plenary lecture)
13. International Conference on Recent Advances in Pure and Applied Mathematics, Bodrum-Mugla, Turkey, May 19-23, **2016** (talk)
14. Colloque de Mathématiques en l'honneur des Mathématiciens Marocains à l'étranger, September 22-24, **2016**, Faculté des Sciences Kénitra, Morocco (Plenary lecture)
15. International Conference on Algebra and its Applications, April 26-28, **2017**, Faculté des Sciences et Techniques Errachidia-Morocco (Plenary lecture)

5. COMMUNITY SERVICES

- Referee for "J. Korea Soc. Math. Educ. Ser. B : Pure & Appl. Math".
- Referee for "Communications in Algebras".
- Referee for "Hacettepe Journal of Mathematics and Statistics".
- Referee for "Results in Mathematics".

- Referee for "Journal of Advanced Research in Pure Mathematics".
- Referee for "Beiträge zur Algebra und Geometrie".
- Member of the editorial board of "Math-Recherche et Applications".
- Referee for "International Journal of Modern Mathematics".
- Member of the editorial board of "Pure and Applied Mathematics Journal"
- Member on the Department of Mathematics Council, Faculty of Sciences and Technology, University of Meknes, Morocco (**2002-2009**).
- Organizer of mathematics department's Algebra seminars (**2003-2005**)
- Vice Head of the Department of Mathematics (**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**.

❖ Member of the Examining Committee for Master Thesis

1. A. 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. R. El Khalifaoui, "Amalgamated duplication of rings along an ideal", Univ. of Fez Morocco, **June 16, 2016**.
8. A. El Khalfi, "Transfert de quelques propriétés d'un anneau commutatif à certaines extensions d'anneaux" Univ. of Fez, Morocco, **June 13, 2017**.

9. S. Moussaoui, "Autour de certaines extensions d'anneaux commutatifs" Univ. of Fez, Morocco, **June 13, 2017**.
10. M. Omari, "Les conditions de Prüfer dans les anneaux" Univ. of Fez, Morocco, **June 13, 2017**.

7. PH. D DISSERTATIONS SUPERVISED

❖ 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. A. Boua, "Quasi-anneaux et leurs applications aux codes correcteurs" Ph. D. Dissertation, University of Meknes, Morocco, **June 26, 2013**, Morocco.
4. A. Mamouni, "Caratérisation de la commutativité des anneaux via l'action des dérivations sur leurs idéaux de Jordan" Ph. D. Dissertation, University of Meknes, Morocco, **June 26, 2013**, Morocco.
5. A. Raji, "Structure des Quasi-anneaux" Ph. D. Dissertation, University of Meknes, Morocco, **December 26, 2015**, Morocco.
6. O. Ait Zemzami, "Etude de la structure de certains anneaux non commutatifs" Ph. D. Dissertation, University of Fez-Morocco (Dissertation In progress)
7. A. Idrissi, "Identités différentielles sur les anneaux premiers à involution" Ph. D. Dissertation, University of Fez- Morocco (**2017**: Dissertation In progress).
8. H. Lmir, "Anneaux différentiels à involution" Ph. D. Dissertation, University of Fez-Morocco (**2017**: Dissertation In progress).
9. M. Zerra, "Etude des applications additives sur les anneaux à involution" Ph. D. Dissertation, University of Fez- Morocco (**2017**: Dissertation In progress).
10. B. Nejjar, "Sur les dérivations de certaines classes d'anneaux" Ph. D. Dissertation, University of Fez- Morocco (**2017**: Dissertation In progress).

❖ Member on the Examining Committee for Ph. Thesis

1. M. Zerouh, "La Propriété de la Faible Extension dans la Catégorie des Groupes Abéliens", Ph. D. Dissertation, University of Oujda, Morocco, **May 28, 2016**.
2. 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**.
3. 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**.

4. B. Chahrazade, "Les anneaux v-Nothériens, les anneaux faiblement cohérents et les anneaux d'Armendariz forts", Habilitation, University of Meknes, **december 6, 2015**.
5. 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**.
6. F. Cheniour, "Autour de certaines propriétés homologiques dans des extensions d'anneaux commutatifs", Ph. D. Dissertation, University of Fes, Morocco, **July 1, 2013**.
7. 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**.
8. 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**.
9. K. Ouarghi, "Dimension homologique de Gorenstein des anneaux et des modules", Ph. D. Dissertation, University of Fez, Morocco, **July 4, 2009**.
10. A. Jhilal, "Transfert de quelques propriétés homologiques dans différents contextes d'anneaux commutatifs", Ph. D. Dissertation, University of Fez, Morocco, **4 July, 2009**.
11. 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**.
12. M. Tamekkante, "Dimensions homologiques de Gorenstein des anneaux et des modules", Ph. D. Dissertation, University of Fez, Morocco, **July 3, 2010**.
13. 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**.
14. M. Kabbour, "Extension triviale et amalgamations des anneaux arithmétiques et localisations", Ph. D. Dissertation, University of Fez, Morocco, **July 9, 2011**.
15. F. Ali Ahmed Almaahdi, "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**.
16. F. Amounas, "L'étude des aspects mathématiques et pratiques de la cryptographie elliptique et applications", Ph. D. Dissertation, Univ. Meknes, Morocco, **May 25, 2013**

8. 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] σ -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 σ -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 σ -prime rings, *Algebras, Groups and Geometries*. 23 (2006), no. 1, 67-72 (with S. salhi).
- [8] Derivations and commutativity of σ -prime rings, *Inter. J. Contemp. Math. Sci.*, 1 (2006), no. (9-12), 439-448 (with S. Salhi).
- [9] On commutativity of σ -prime rings, *Glasnik Matematički*. 41 (2006), no. 1, 57-64 (with S. salhi).
- [10] On generalized derivations of σ -prime rings, *African Diaspora J. Math.* 5 (2006), no. 1, 19-23 (with S. Salhi).
- [11] Centralizing automorphisms of σ -prime rings, *Hadronic Journal*. 29 (2006), no. 3, 347-353.
- [12] σ -Lie ideals with derivations as homomorphisms and anti-homomorphisms, *Int. J. Algebra*. 1 (2007), no. (5-8), 235-239 (with S. Salhi and L. Taoufiq).
- [13] Jordan generalized derivations on σ -prime rings, *Int. J. Algebra*. 1 (2007), no. (5-8), 231-234 (with S. Salhi and L. Taoufiq).
- [14] On generalized derivations and commutativity in σ -prime rings, *Int. J. Algebra*. 1 (2007), no. (5-8), 227-230 (with S. Salhi and L. Taoufiq).
- [15] On derivations in σ -prime rings, *Int. J. Algebra*. 1 (2007), no. (5-8), 241-246 (with S. Salhi).
- [16] σ -prime rings with a special kind of automorphism, *Inter. J. Contemp. Math. Sci.*, 2 (2007), no. (1-4), 127-133 (with S. Salhi).
- [17] Left derivations on σ -prime rings, *Inter. J. Algebra*. 1 (2007), no. 1, 31-36.(with L. Taoufiq).
- [18] Lie ideals and derivations of σ -prime rings, *Inter. J. Algebra*. 1 (2007), no. 1, 25-30 (with S. Salhi).
- [19] Automorphisms and Jordan left derivations on σ -prime rings, *Advances in Algebra*. 1 (2008), no. 1, 19-26 (with S. Salhi).
- [20] Strong commutativity preserving maps on Lie ideals, *Beiträge zur Algebra Und Geometry*. 49 (2008), no. 2, 441-447 (with S. Salhi).
- [21] An extension of Posner's second theorem to rings with involution, *Int. J. Mod. Math.* 4 (2009), no. 3, 303-308.
- [22] Some properties of derivations on rings with involution, *Int. J. Mod. Math.* 4 (2009), no. 3, 309-315 (with L. Taoufiq).
- [23] Lie ideals and generalized derivations of rings with involution, *Int. J. Open Probl. Comput. Sci. Math.* 3 (2010), no. 4, 617-626.
- [24] Commutativity conditions on derivations and Lie ideals in σ -prime rings, *Beiträge zur Algebra Und Geometry*. 51 (2010), no. 1, 275-282 (with S. Salhi and L. Taoufiq).

- [25] Generalized derivations and commutativity of rings with involution, *Beiträge zur Algebra Und Geometry*. 51 (2010), no.2, 345-351 (with S. Salhi and L. Taoufiq).
- [26] Left multipliers and Lie ideals in prime rings, *J. Adv. Res. Pure Math.* 2 (2010), no. 3, 1-6.
- [27] On Jordan ideals and derivations in rings with involution, *Comment. Math. Univ. Carolin.* 51 (2010), no. 3, 389-395.
- [28] Left multipliers and Lie ideals in rings with involution, *Int. J. Open Probl. Comput. Sci. Math.* 3 (2010), no. 3, 267-277.
- [29] Left multipliers and Jordan ideals in rings with involution. *Afr. Diaspora J. Math.* 11 (2011), no. 1, 24-28.
- [30] Generalized derivations and commutativity of prime near-rings, *J. Adv. Res. Pure Math.* 3 (2011), no. 2, 120-124 (with A. Boua).
- [31] Posner's second theorem for Jordan ideals in rings with involution, *Expo. Math.* 29 (2011), 415-419.
- [32] Lie ideals and centralizing generalized derivations of rings with involution, *Beitr. Algebra Geom.* 52 (2011), no. 2, 349-355.
- [33] Commutativity of involutorial rings with constraints on left multipliers, *Comm. Math. and Applications* 2 (2011), no. 1, 15-20 (with L. Taoufiq).
- [34] Derivations on prime near-rings, *Int. J. Open Probl. Comput. Sci. Math.* 4 (2011), no. 2, 262-167.
- [35] Left multipliers satisfying certain algebraic identities on Lie ideals of rings with involution, *Int. J. Open Probl. Comput. Sci. Math.* 5 (2012), no. 3, 55-60 (with L. Taoufiq).
- [36] Generalized Jordan left derivations in rings with involution, *Demonstratio Math.* 45 (2012), no. 4, 807-812.
- [37] On derivations of prime near-rings, *Afr. Diaspora J. Math.* 14 (2012), no. 1, 65-72 (with H. E. Bell and A. Boua).
- [38] Derivations satisfying certain algebraic identities on Jordan ideals, *Arabian J. Math.* 1(2012), 341-346 (with A. Mamouni).
- [39] Commutativity theorems for $*$ -prime rings with differential identities on Jordan ideal, *ISRN Algebra 2012* (2012), 1-11 (with A. Mamouni and S. Samman).
- [40] Function acting a multiplicative homomorphism (or anti-homomorphism) on Jordan ideals of prime rings, *Aligarh. Bull. Math.* 31 (2012), no.1-2, 57-64 (with A. Mamouni).
- [41] Left multipliers acting on Jordan ideals of rings with involution, *J. Adv. Res. Pure Math.* 5 (2013), no. 3, 55-60 (with S. Salhi and L. Taoufiq).
- [42] Some conditions under which near-rings are rings, *Southeast Asian Bull. Math.* 37 (2013), 325-331 (with A. Boua).
- [43] Generalized derivations centralizing on Jordan ideals of rings with involution, *Turkish. J. Math.* 38 (2014), no. 2, 225-232. (with A. Mamouni).

- [44] Commutativity theorems for rings with differential identities on Jordan ideals, *Comment. Math. Univ. Carolin.* 54 (2013), no. 4, 447-457 (with A. Mamouni and M. Ashraf).
- [45] Semiderivations satisfying certain algebraic identities on Jordan ideals, *ISRN Algebra*, 2013 (2013), Article ID 738368 (with A. Mamouni and V. Defilippis).
- [46] Semiderivations satisfying certain algebraic identities on prime near-rings, *Asian-European J. Math.*, 6 (2013), no. 3, 1350043 (8 pages) (with A. Boua).
- [47] Differential identities on semigroup ideals of right near-rings, *Asian-European J. Math.* 6 (2013), no. 4, 1350050, 8 pp (with A. H. E. Bell and A. Boua).
- [48] Jordan ideals and derivations in prime near-rings, *Comment. Math. Univ. Carolin.* 55 (2014), no. 2, 131-139 (with A. Boua and A. Raji).
- [49] Derivations and Jordan ideals in prime rings, *J. Taibah Univ. Sci.* 8 (2014), no. 4, 364-369 (with A. Mamouni and C. Beddani).
- [50] An algorithm to construct error correcting codes from planar near-rings, *Int. J. Math. Eng. Sc.* 3 (2014), no. 1, 14-23 (with A. Raji, A. Boua and O. Zamzami).
- [51] Semigroup ideals with semiderivations in 3-prime near-rings, *Palest. J. Math.* 3 (2014), no. 1, 438-444 (with A. Boua and A. Raji).
- [52] Generalized Jordan semiderivations in prime rings, *Canad. Math. Bull.* 58 (2015), no. 2, 263-270 (with A. Mamouni and V. Defilippis).
- [53] Semigroup ideals and commutativity in 3-prime near-rings, *Comm. Algebra*, 43 (2015), no. 5, 1757-1770 (with A. Boua and H. E. Bell).
- [54] BIBDs algorithm, *J. Taibah Univ. Sci.* 9 (2015), no. 3, 308-313 (with A. Boua, A. Raji and O. Ait Zemzami).
- [55] Commutativity theorems for prime rings with generalized derivations on Jordan ideals, *J. Taibah Univ. Sci.* 9 (2015), no. 3, 314-319 (with A. Mamouni).
- [56] Generalized two sided α -derivations in 3-prime near-rings, *J. Taibah Univ. Sci.* 9 (2015), no. 3, 366-372 (with A. Mamouni).
- [57] A study of near-rings with generalized derivations, *J. Taibah Univ. Sci.* 9 (2015), no. 3, 407-413 (with A. Mamouni).
- [58] On generalized semiderivations in 3-prime near-rings, *Asian-European J. Math.*, 9 (2016), no. 2, 1650036, 11 pp. (with A. Boua and A. Raji).
- [59] Two sided α -derivations in 3-prime near-rings, *Rocky Mountain J. Math.* 46 (2016), no. 4, 1379-1393 (with A. Boua and M. Samman).
- [60] On 3-prime near-rings with generalized derivations, *Palest. J. Math.* 5 (2016) no. 1, 12-16. (with A. Boua and A. Raji).
- [61] Differential identities on Jordan ideals of rings with involution, *Hacet. J. Math. Stat.* 45 (2016), no. 1, 49-55 (with A. Mamouni).
- [62] Commutativity theorems in rings with involution, *Comm. Algebra* 45 (2017), no. 2, 698-708 (with A. Kacha, A. Mamouni and B. Njjar)

- [63] On $*$ -semiderivations and $*$ -generalized semiderivations in rings with involution, *J. Algebra Appl.* 16 (2017), no. 4, 1750075 (8 pages) (with A. Mamouni and B. Nejjar)
- [64] On traces of permuting n -derivations and permuting generalized n -derivations on Jordan ideals. *Palest. J. Math.* 6 (2017), no. 1, 45-54 (with A. Mamouni and B. Nejjar).
- [65] Certain commutativity criteria for rings with involution involving generalized derivations, *Georgian Math. J.* (in press) (with B. Nejjar, A. Kacha and A. Mamouni).
- [66] Some commutativity theorems for rings with involution involving generalized derivations, *Asian-European J. Math.* doi.org/10.1142/S1793557119500013 (with My. A. Idrissi).
- [67] Generalized derivations on prime rings with involution, *Algebra and its applications*, 317-331, *De Gruyter Proc. Math., De Gruyter, Berlin*, 2018. (with O. A. Zemzami and A. Mamouni).
- [68] On generalized derivations and commutativity of prime rings with involution, *Algebra and its applications*, 91-100, *De Gruyter Proc. Math., De Gruyter, Berlin*, 2018. (with A. Mamouni and My. A. Idrissi).
- [69] Differential identities on prime rings with involution, *J. Algebra Appl.* 17 (2018), no. 9, 1850163, 11 pp (with A. Mamouni and B. Nejjar)
- [70] A study of differential prime rings with involution, *Georgian Math. J.* 2019 (in press) (with Omar Ait Zemzami)
- [71] Some commutativity criteria for prime rings with differential identities on Jordan ideals, *Comm. Algebra* 47 (2019), no. 1, 355--361. (with A. Mamouni, B. Nejjar and J. Juraden)
- [72] On two sided α - n -derivation in 3-prime near-rings, *Acta Math. Hungar* 157 (2019), no. 2, 465-477 (with A. Raji)
- [73] Center-like subsets in rings with derivations or endomorphisms, *Comm. Algebra* 2019 (in press) (with A. Idrissi and N. Muthana)
- [74] On certain classes of generalized derivations, *Mathematica Slovaca* 2019 (in press) (with O. Ait Zemzami, N. Muthana and A. Shakir)
- [75] Special mappings with central values on prime rings, *Algebra Colloquium* 2019 (in press) (with A. Mamouni and H. Elmir)
- [76] Weakly left cancellative semirings with derivations, to appear in *Filomat* 2019 (with V. De Filippis and A. Mamouni)

9. SUBMITTED PAPERS

- [77] On some particular classes of endomorphisms of prime rings with involution (with A. Mamouni and H. Elmir).
- [78] Some classes of generalized derivations of prime rings with involution (with A. Idrissi)
- [79] Classification of some special generalized derivations (with A. Idrissi).
- [80] Generalized derivations satisfying algebraic identities involving prime ideals (with A. Idrissi).

- [81] Center-like subsets in prime rings with derivations and endomorphisms
(with O. Zamzami and H. E. Bell)
- [82] Some commutativity theorems for prime rings involving derivations and generalized derivations
(with M. Zeraa and A. Mamouni)
- [83] Certain algebraic identities on prime rings with involution (with M. Zeraa and A. Mamouni)

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] A first step in Linear Algebra, (avec M. Samma) (in final step of publication).