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CURRICULUM VITAE

Jebrel Mohammad Ayoub Habeb



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Personal Data:

Place & Date of Birth: Jordan, December 19, 1954.
Nationality: Jordanian.
Religion: Muslim.
Marital Status: Married with 4 children.

Education:

Ph.D. (Mathematics / Algebra / Ring Theory): Indiana University, Bloomington, Indiana, USA, April 1987.
MSc. (Mathematics): University of Jordan, Amman, Jordan, Feb. 1981.
BSc. (Mathematics): University of Jordan, Amman, Jordan, Feb. 1977.

Theses' Titles:

Ph.D.: On Azumaya's Exact Rings and Artinian Duo Rings.
Thesis Supervisor: Professor Goro Azumaya.
MSc.: Representations of the Semidirect Product of Two Finite Groups.
Thesis Supervisor: Professor Hasan El-Ezeh.

Employment Record.

Sept. 2014 - Present: Associate Professor, Mathematics Department, Yarmouk University Irbid /Jordan (Y.U).

February 2010- August 2014: A consultant for the Faculty of Science for the Administration and Financial Affairs (since July 2011). Hail University, KSA + Associate Professor, Mathematics Department at Hail University.

April 2004 – August 2010: Associate Professor, Mathematics Department, (Y.U).

Sept. 2006 – Sept. 2007: Associate Professor, Mathematics Department, the University of Jordan, Amman, Jordan.

Sept. 2004 – Sept. 2006: Vice Dean of the Faculty of Science, (Y.U),

July 1987 – April 2004: Assistant Professor, Mathematics Department, (Y.U).

Sept. 2002 – Sept. 2004: Assistant Dean of the Faculty of Science, (Y.U).

Sept. 1997 – Aug. 2001: Vice Dean of the Student Affairs Deanship, (Y.U).

Sept. 1995 – Aug. 1997: Chairman of Mathematics Department, (Y.U).

Sept.1993 – Aug. 1994: Visiting Professor, Mathematics Department, Jordan University of Science and Technology (JUST), Irbid /Jordan.

Sept. 1985 – May 1987: Teaching Assistant, Mathematics Department, Indiana University, Bloomington, Indiana, USA.

Sept. 1980 – Dec.1982: Lecturer, Mathematics Department, (Y.U).

Feb.1977 – Sept.1980: High School Teacher / High Schools in Jordan.

Participation in Conferences:

- 1) I gave a seminar talk entitled “An Introduction to Exact Rings” in the Mathematics Department at the University of Hail/ Hail/ KSA in 15-3-2011.
- 2) The Scientific (Year 2008) Day for Faculty of Agriculture and Science, Jarash Private University, Jarash / Jordan, 25-27/3/2008. I delivered a lecture entitled “Modern Mathematics Teaching Techniques”.
- 3) I gave a talk entitled “R-Automorphisms of $R[x]$ ” in the Mathematics Department at the University of Philadelphia, Amman / Jordan in 5-4-2007.
- 4) I gave a series of lectures about the self Duality Problem in the Mathematics Department at the University of Jordan/ Amman/ Jordan in the period year 2006-2007.
- 5) I participated in the “4th International Jordanian Mathematics Conference” organized by the Jordanian Mathematical Society in Amman (Jordan) in Aug. 24 – 26, 1998 by giving a talk entitled "On the Exact Bimodules".
- 6) I attended “The Education in basic Sciences for Informatics workshop on Mathematics of Computing” held by Yarmouk University, Jan. 3 – 24, 1996.
- 7) I attended The Sub- regional Training Workshop for Users of the IRPTC Databank organized by Yarmouk University and the United Nations Environment Program in the period of Dec. 3 – 5, 1996.
- 8) I gave a series of lectures in the Mathematics Department at the University of Aleppo (Syria) in the period April 20 – 25, 1995.
- 9) I participated in the "Thirty-Second Scientific Week" held in Damascus (Syria) in the period of Nov. 7 – 13, 1992. I gave a talk (Coauthored with Mowaffaq Hajja) entitled "On Semi-Principal Ideal Rings".
- 10) I participated in the first Jordanian Mathematical Conference held in Amman and Irbid (Jordan) in Sept. 4 – 6, 1991 by giving a talk entitled "The Self – Duality of Exact Rings". The talk appeared in "The Proceedings of the First Jordanian Conference of Mathematics".
- 11) I attended "The Mathematics Workshop” held at Yarmouk University, March 1988.
- 12) I attended the "Ring Theory Conference" organized by the AMS and which was held in Newark-Columbus (Ohio), USA in 1986.

Academic Honors and Grants:

- 1) A scholarship from Yarmouk University for the Ph.D degree in Mathematics for the period of (Jan. 1983 – May 1987).
- 2) A Scholarship from the Ministry of Education (Jordan) for the B.Sc. in Mathematics for the period of (Sept. 1973 – Feb. 1977).

Teaching Experience:**Graduate Courses:**

Group Theory, Ring Theory and Module Theory, Field Theory and Galois Theory.

Undergraduate Courses:

Calculus. Differential Equations. Discrete Mathematics. Elementary and Advanced Linear Algebra. Set Theory. Abstract Algebra (Group Theory, Ring Theory, Field Theory). Number Theory. Applied Algebra. Topology. Real Analysis. Complex Analysis. History of Mathematics.

Committees:

[1] Committees Outside Yarmouk University:

- a) I was a member of the “Accreditation Committee” formed by The Ministry of Higher Education in Jordan for accrediting the Mathematics Department at Al-Zaitoona University, Amman / Jordan, May 1996.
- b) I was a member of the ”Committee for updating the 11th Grade Mathematics Textbook” formed in October 1994 by The General Directorate of Curricula and Educational Technology /The Ministry of Education in Jordan.
- c) I am serving as the Problem Solving Competition Director at the Mathematics Department / Yarmouk University with cooperation with Professor Richard S. Neal: The Editor of The Problem Solving Competition at USA. (1995 – Present).
- d) College Committees (Hai’l University/KSA, 2010-2012):
 - 1) Curriculum Committee.
 - 2) Graduate Studies Committee.
 - 3) Appointments Committee.
- e) Department Committee (Mathematics Department / Hai’l University/KSA, 2010-2012):
 - 1) Graduate Studies Committee.
 - 2) Planning and Developing Committee.
 - 3) Curriculum Committee.
 - 4) Recruiting outstanding faculty members.
 - 5) Promotion committee.

[2] Committees Inside Yarmouk University:

- 1) University Committees (Yarmouk University):The strategic Plan for Yarmouk University for the years 2006 – 2010.
- 2) The University internal organization Committee.
- 3) Interrogation Committee for Students Contraventions (The Students Disobediences Committee).
- 2) Interrogation Committee for Faculty Members Contraventions.
- 3) The Election Committees for the Yarmouk University Student Union Council and for the Students Associations.
- 4) Health Center Committee at Yarmouk University.
- 5) Graduation Ceremony Committee.
- 6) The Graduation Year Book (AL-Sanabil) Committee.

- 7) The Yarmouk University Model School Advisor for the Mathematics teachers Group.
 - 8) I represented the University abroad (Turkey, Lebanon and Saudi Arabia) as the leader of many Yarmouk University Culture Groups.
 - 9) I represented Yarmouk University in many activities inside Jordan.
- (b) I delivered (Since 2003-2009 and for two times a year) many lectures and presentations on “Yarmouk University Laws” for the Newly Appointed Faculty Members at (The Faculty Members Development Center).
- (c) College Committees (Yarmouk University):
- 2) Secretary of the Faculty of Science Council.
 - 3) Member of the Faculty of Science Council.
 - 4) Student Advisory Committee.
 - 5) Curriculum Committee.
 - 6) Library Committee.
 - 6) The Students Disobediencies Committee.
- (d) Department Committee (Mathematics Department / Yarmouk University):
- 1) The Secretary of the Department Council.
 - 2) Graduate Studies Committee.
 - 3) Qualifying and Basic Exams Committees for the Master Degree.
 - 4) Seminar Committee.
 - 5) Library Committee.
 - 6) Planning and Developing Committee.
 - 7) Curriculum Committee.
 - 8) The Undergraduate Aptitude Exam.

Membership in Professional Organizations:

- 1) I am a member of the **Jordan Mathematical Society (JMS)** since 1992.
- 2) I am a member of the **American Mathematical Society (AMS)** since 1984.
- 3) I am a member of the **Mathematical Association of America (MAA)** for the years 1988 – 1992 and 2005 – present.

Editorial Boards

A member of the editorial board for **Abhath Al-Yarmouk Journal**(Pure Science And Engineering Series), Y.U, Jordan. Since January 2010

Refereeing

I served as a referee for the following Academic Journals:JJMS: Jordan Journal of Mathematics and Statistics, Jordan.

- 1) The Italian Journal of Pure and Applied Mathematics.
- 2) Abhath Al-Yarmouk Journal (Pure Science and Engineering Series), Y.U, Jordan.
- 3) Arab Gulf Journal of Science Research (Al-Bahrain).
- 4) The Islamic University of Gaza Journal (Gaza – Palestine).
- 5) An-Najah National University Journal (Palestine).
- 6) Jordan Journal of Applied Sciences/Applied Science University (PRIVET), Jordan.
- 7) Dirasat / University of Jordan Journal, University of Jordan, Jordan.
- 8) The International Journal of Open Problems in Computer Science and Mathematics (IJOPCM), Jordan
- 9) The Mathematics Magazine (MM) of the MAA Journals Publications

Reviewing

- 1) A reviewer for the AMS Mathematical Reviews since January 2006.
- 2) A reviewer for the Zentralblatt Math since January 2006.
- 3) A Proof-Reader for Abhath Al-Yarmouk Journal (Pure Science and Engineering Series), Y.U, Jordan. since 2009

Publications:

- 1) Habeb, J. (1989). On Azumaya's Exact Rings and Artinian Duo Rings. **Communications in Algebra 17 (1): 237 – 245.**
- 2) Habeb, J. (1990). A Note on Zero Commutative and Duo Rings. **Math. J. Okayama Univ. 32: 73 – 76.**
- 3) Habeb, J. (1993). The Self-Duality of Exact Rings. **Abhath Al-Yarmouk: "Pure. Sci. & Eng." 2(1): 9-20.**
- 4) Habeb, J. (1994). On Certain Zero Insertive Rings. **Abhath Al- Yarmouk: "Pure. Sci. and Eng." 3(2): 9-15.**
- 5) Habeb, J., and Hajja, M. (1997). A Note On Semi–Principal Ideal Rings. **The Arabian Journal for Science and Engineering. 22(2A): 195 – 206.**
- 6) Habeb, J. M. (1998). Zero Insertive Rings of Small Orders And Zero Insertive Regular Rings. **Jour. of Inst. of Math. and Comp. Sci. (Math. Ser.) 11(1): 51– 57.**
- 7) Habeb, J. M., and Ababneh, N. (2001). On Artinian Serial Rings. **Mathematical Sciences Research Hot-Line 5(6): 31 – 39.**
- 8) Refai, M., Habeb, J. M., and Awawdeh, F. (2003). An Algorithm for Grading $M_n(F)$. **Al- Manarah Journal. 9(2): 197- 215.**
- 9) Habeb, J. M, and Hajja, M. (2003). A Note on Trigonometric Identities, **Expositiones Mathematicae 21: 285 – 290.**
- 10) Habeb, J. M, and Hajja, M. (2004) Diagonal Z-Automorphisms of $Z[x_1, x_2, \dots, x_n]$. **Algebras, Groups and Geometries. 21, No. 2, 201-210.**
- 11) Habeb, J. M, and Hajja, M. (2008) A Method for Establishing Trigonometric Inequalities Involving the Cotangents of the Angles of a Triangle, **Journal for Geometry and Graphics. 12, No. 1, 11-21.**
- 12) Habeb, J. M, Hajja, M. and William Heinzer (2012) Conjugacy classes and invariant subrings of R-automorphisms of $R[x]$, **Communications in Algebra. 40 (4), 1496-1524.**
- 13) Habeb, J. M (2016) A review of Capelli-Rédei Theorem, Solvable Quintics, and Finite Fields. Ref.: Ms. No. MATHMAG-D-15-00191R2,
- 14) Jebrel M. Habeb (2021), A Note on Rigid Rings, **Italian Journal of Applied and Pure Mathematics**, accepted on 18-3-2021
- 15) Jebrel M. Habeb (2021), Some Properties of Balancing Numbers, *Jordan Journal of Mathematics and Statistics (JJMS)* accepted 17-8-2021.
- 16) A review of “A singular mathematical promenade” by (Étienne Ghys) under preparation.
- 17) With others, On Weakly Presimplifiable Group Rings, submitted to *Jordan Journal of Mathematics and Statistics (JJMS)*.

Reviews

(I) I reviewed the following papers for the AMS Mathematical Reviews since January 2006: I will mention the papers for the last few years:

- (1) David Cox, Why Eisenstein proved the Eisenstein criterion and why Schonemann discovered it first *Normat* 57 (2009), no. 2, 49--73, 96. 01A55 (01A50 11C08) Submitted 16-4-2010 MR2572615
- (2) Braun, Amiram, On bimodules over Noetherian PI rings, *Proc. Amer. Math. Soc.*, 138 (2010), no. 3, 847—852, Submitted 2010-05-01, MR2566550
- (3) Agayev, Nazim; Halicioglu, Sait; Harmanci, Abdullah, On symmetric modules *Riv. Mat. Univ. Parma* (8) 2 (2009), 91-99. Submitted 6-8-2010, MR2597 324
- (4) Sanh, Nguyen Van; Vu, Nguyen Anh; Ahmed, K. F. U.; Asawasamrit, S.; Thao, Le, Phuong, Primeness in module category, *Asian-Eur. J. Math.* 3 (2010), no. 1, 145—154. 16D10, Submitted 2-11-2010, MR2654814
- (5) Wang, Yongduo; Wu, Dejun, A note on cofinitely δ -lifting (supplemented) Modules, *Int. J. Algebra* 4 (2010), no. 9-12, 439--446. 16D10, Submitted 22-2-2011, MR2669977
- (6) Abu, Toma, A seventy years jubilee: the Hopkins-Levitzki theorem, *Ring and module theory*, 1--26, Trends Math., Birkhäuser/Springer Basel AG, Basel, 2010. 01A65 16P20 16P40), Submitted 5-7-2011, MR2744040
- (7) Kwak, Tai Keun; Lee, Yang, Rings over which coefficients of nilpotent polynomials are nilpotent, *Internat. J. Algebra Comput.* 21 (2011), no. 5, 745--762. 16U80 (16N40), Submitted 2012-03-27, MR2827201
- (8) El Baghdadi, S.; Jhilal, A.; Mahdou, N., On FF-rings., *J. Pure Appl. Algebra* 216 (2012), no. 1, 71--76., Submitted 2/4/2012, MR2826419
- (9) Diaz-Vargas, Javier; Rubio-Barrios, Carlos Jacob; Sozaya-Chan, Jose Antonio; Tapia-Recillas, Horacio, Self-invertible permutation polynomials over Z_m . *International Journal of Algebra*, Vol. 5, 2011, no. 23, 1135 – 1153, Submitted , 27/6//2012, MR2855689
- (10) Julian Freed-Brown, Matthew Holden, Michael E, Cyclotomic Polynomials, Symmetric Polynomials, and a Generalization of Euler's Totient Function, *Mathematics Magazine*, Vol. 85, No. 1 (February 2012), pp. 44-50, Submitted 6/10//2012, MR2892436 .
- (11) Yu, Chia-Fu, Embeddings of fields into simple algebras: generalizations and applications. *J. Algebra* 368 (2012), 1--20. 16R20 (11R52) Submitted 31/12//2012, MR 2955218
- (12) Fares, Youssef; Johnson, Keith, The characteristic sequence and p -orderings of the set of d -th powers of integers. *Integers* 12 (2012), no. 5, 865--876. 11C08 (13F20) Submitted 2013-05-20, MR2988552
- (13) Wei, Yangjiang; Nan, Jizhu; Tang, Gaohua. Structure of cubic mapping graphs for the ring of Gaussian integers modulo n . *Czechoslovak Mathematical Journal* 62(137)(2012)no.2, 527-539. Submitted 01-06-2013, MR2990192
- (14) Jianming Chen, Smith Normal Form of Augmented Degree Matrix and Rational Points on Toric Hypersurface, *Algebra Colloq.* 20 (2013), no. 2, 327--332] Submitted 06-10-2013, MR3043317
- (15) Chakravarti, R. S.; Santha, A. Generalised injective links, *Bull. Kerala Math. Assoc.* 9 (2012), no. 2, 387--394. 16P50, Submitted 27-12-2013, MR3059307
- (16) Wang, Long; Wei, Junchao; Li, Libin, NZI rings. *Turkish J. Math.* 37 (2013), no. 5, 781--792. 16Nx. Submitted 29-01-2014, MR3105492
- (17) Hu, Su; Li, Yan, On a uniformly distributed phenomenon in matrix groups. *J. Number Theory* 133 (2013), no. 11, 3578--3588. 11C20 (11T23), Submitted 15-03-2014, MR3084288
- (18) Kleyn, Aleks, Polynomials over associative D-algebra. *Clifford Anal. Clifford Algebr. Appl.* 2 (2013), no. 2, 97--123. 16Sxx, Submitted 31-03-
- (19) Grasegger, Georg; Horvath, Gabor; Kearnes, Keith A. Polynomial equivalence of finite rings. *Aust. Math. Soc.* 96 (2014), 244--257, Submitted 18-07-2014, MR3194147

- (20) Tonet, Luciane Gobbi; Cortes Wagner, Bezout duo and distributive partial skew power series rings, *Publ. Math. Debrecen* 83 (2013), no. 4, 547–568, Submitted 23-07-2014, MR3150827
- (21) Ullah, Ehsan; Shah, Tariq, Half-factoriality in subrings of trigonometric polynomial rings, *Tendências em Matemática Aplicada e Computacional*, 14, N. 2 (2013), 173-186, Submitted 05-12-2014, MR3197863
- (22) Shakir Ali, Mohammad Ashraf, Mohammad Salahuddin Khan, Joso Vukman Commutativity of rings involving additive mappings, *Quaestiones Mathematicae*, Volume 37, issue 2, 2014, pages: 215–229, Submitted 07-12-2014, MR3225557
- (23) Sesiano, Jacques, Abu Kamil's Book on Mensuration From Alexandria, through Baghdad, 359--408, Springer, Heidelberg, 2014. 01A30, Submitted 26-12-2014, MR3203890
- (24) Mistri, Raj Kumar; Pandey, Ram Krishna, Derivative of an ideal in a number ring, *Integers* 14 (2014), Paper No. A24, 12 pp. Submitted 01-01-2015, MR3225911
- (25) Randell Heyman, Igor E. Shparlinski, On Shifted Eisenstein Polynomials, *Period. Math. Hungar.* 69 (2014), no. 2, 170--181. 11C08, Submitted 10-04-2015, MR3278954
- (26) Lucio Centrone, Alessio Cirrito, Y-proper graded cocharacters of upper triangular matrices of order m graded by the m -tuple $\phi = (0,0,1,\dots,m-2)$, *Journal of Algebra* 425(2015) 546 – 562, Submitted 07-06-2015, MR3295995
- (27) Gröger, Detlef, A Variation on Gauss's Third proof of the Quadratic Reciprocity Law *Mitt. Math. Ges. Hamburg* 34 (2014), 33--37. 11A15 01A70 Submitted 26-07-2015 MR3309611
- (28) Brunyate, Adrian; Clark, Pete L. Extending the Zolotarev-Frobenius approach to quadratic reciprocity. *Ramanujan J.* 37 (2015), no. 1, 25--50. 11A15 (13F05 13F10), Submitted 31-08-2015, MR3338036
- (29) Hashimoto, Mitsuyasu, Equivariant total ring of fractions and factoriality of rings generated by semi-invariants. *Comm. Algebra* 43 (2015), no. 4, 1524--1562. 13A50 (13F15 14L15), Submitted 15-09-2015, MR3314628
- (30) Alaoui Ismaili, K.; Mahdou, N, Coherence in amalgamated algebra along an ideal. *Bull. Iranian Math. Soc.* 41(2015), no. 3, 625--632. 13Dxx Submitted 29-10-2015, MR3359890
- (31) Freudenburg, Gene, An affine version of a theorem of Nagata, *Kyoto J. Math.* 55 (2015), no. 3, 663--672. 13F20 (13N15), Submitted 2016-02-02, MR3395985
- (32) Kawai, Hideyasu; Onoda, Nobuharu, Commutative rings over which algebras generated by idempotents are quotients of group algebras, *J. Commut. Algebra* 7 (2015), no. 3, 373--391. 13Axx (16S34), Submitted 27-03-2016 MR3433988
- (33) Hong, Shaofang; Qin, Xiaoer; Zhao, Wei, Necessary conditions for reversed Dickson polynomials of the second kind to be permutational, *Finite Fields, Appl.* 37 (2016), 54--71. 11T06 (11C08 11T55), Submitted 10-04-2016, MR3426578
- (34) Ferreira, Jorge N. M. and Fleischmann, Peter, the invariant fields of the Sylow groups of classical groups in the natural characteristic. *Communications in Algebra* 44: 977–1010, 2016, Submitted 26-08-2016, MR3463125
- (35) Khomovsky, Dmitry I, On the relationship between the number of solutions of congruence systems and the resultant of two polynomials. *Integers* 16 (2016), Paper No. A41, 7 pp. 11C20 (11C08). Submitted 12-11-2016, MR3512871

- (36) Wei, Yangjiang; Su, Huadong; Tang, Gaohua, Unit groups of quotient rings of complex quadratic rings. *Front. Math. China* **11** (2016), no. 4, 1037--1056. 13M05 (05C05 11A07) Submitted 2016-12-25, MR3531044
- (37) Davoudian, Maryam; Halali, Ahmad; Shirali, Nasrin, On α -almost Artinian modules. *Open Math.* **14** (2016), 404--413. 16P60 (13E10 16P20 16P40), Submitted 2017-01-14, MR3519787
- (38) Kara, Yeliz; Tercan, Adnan, Modules whose certain submodules are essentially embedded in direct summands, *Rocky Mountain J. Math.* **46** (2016), no. 2, 519—532, Submitted 2017-02-18, [MR3529081](#)
- (39) Badziahin, Dmitry, Finding special factors of values of polynomials at integer Points, *Int. J. Number Theory* **13** (2017), no. 1, 209—228, Submitted 2017-04-11, MR3573420
- (40) Tribak, Rachid; Talebi, Yahya; Moniri Hamzekolae, Ali Reza; Asgari, Samira, \oplus -supplemented modules relative to an ideal, *Hacet. J. Math. Stat.* **45** (2016), no. 1, 107--120. 16D10 (13C13), Submitted 2017-04-23 MR3524814
- (41) Ansari-Toroghy, H.; Farshadifar, F.; Pourmortazavi, S. S. On the \mathbb{P} - interiors of submodules of Artinian modules. *Hacet. J. Math. Stat.* **45** (2016), no. 3, 675--682. 13C13 (13E10) Submitted 2017-06-20, [MR3588217](#)
- (42) Proust, Christine, Interpretation of reverse algorithms in several Mesopotamian texts. Translated by Micah Ross, *The history of mathematical proof in ancient traditions*, 384--422, Cambridge Univ. Press, Cambridge, 2015. 01A17, Submitted 31-8-2017, MR3497287
- (43) Dobbs, David E., Reduced commutative rings where polynomials have many roots, *Indian J. Math.* **58** (2016), no. 3, 323--346. 13B25 (13E10), Submitted 31-8-2017 MR3616513
- (44) Pandey, Ram Krishna; Saxena, Rohit, On some conjectures about arithmetic partial differential equations, *J. Integer Seq.* **20** (2017), no. 5, Art. 17.5.2, 12 pp. 11A25 (11A51), Submitted 2017-12-13 MR3669599
- (45) Tabue, Alexandre Fotue; Mouaha Christophe, Non-isomorphic pure finite chain rings, *Afr. Mat.* **28** (2017), no. 5-6, 717--725. 13M05 (13H10 13M10), Submitted 2018-01-05, MR3687386.
- (46) Esmkhani, M. A.; Jafarian Amiri, S. M., The probability that the multiplication of two ring elements is zero. *J. Algebra Appl.* **17** (2018), no. 3, 1850054, 9 pp. 13M05 (13A05) Submitted 2018-07-08. MR3760023.
- (47) Leonetti Paolo; Marino, Andrea, Sums of multivariate polynomials in finite subgroups. *Int. J. Number Theory* **14** (2018), no. 2, 301--311. Submitted 2018-11-04, MR3761494.
- (48) Eftekhari, Sina; Khorsandi, Mahdi Reza, MCD-finite domains and ascent of IDF property in polynomial extensions, *Comm. Algebra* **46** (2018), no. 9, 3865--3872. 13F20 (13F15 13G05), Submitted 2018-12-29.
- (49) Takıl Mutlu, Figen, On matrix rings with the SIP and the ads, *Turkish J. Math.* **42** (2018), no. 5, 2657--2663. 16D10 (16D20 16D25 16S50), Submitted 2019-03-01, MR3866178
- (50) Shen, L. Group rings with annihilator conditions, *Acta Math. Hungar.* **156** (2018), no. 1, 38--46. 16S34 (16D25 20C05), Submitted 2019-05-28 MR3856900
- (51) Moyon, Marc, The Liber Restauracionis: a newly discovered copy of a mediæval algebra in Florence. *Historia Math.* **46** (2019), 1--37. Submitted 2019-08-28, MR3926572
- (52) Şengelen Sevim, Esra; Arabacı, Tarık, Tekir, Ünsal; Koç, Suat, On \mathbb{S} -prime submodules *Turkish J. Math.* **43** (2019), no. 2, 1036--1046. 16P40 (13A15 16D60), Submitted 2019-10-7, MR3935691

- (53) Karamzadeh, O. A. S.; Nazari, N., On maximal commutative subrings of non-commutative rings, *Comm. Algebra* 46 (2018), no. 12, 5083--5115. 16P70 (13E10 16L30 16N60 16P10 16U70), Submitted 2019-12-22, MR3923745
- (54) Fotue-Tabue, Alexandre; Mouaha, Christophe, On the lattice of cyclic codes over finite chain rings, *Algebra Discrete Math.* 27 (2019), no. 2, 252—268, 94B15 (13M05 16P10), Submitted 2020-01-26, [MR3982306](#)
- (55) V. T. Markov and A. A. Tuganbaev, Rings with polynomial identity and centrally essential rings, *Beitr Algebra Geom* (2019) 60:657–661, <https://doi.org/10.1007/s13366-019-00447-w>, Submitted 2020-01-15, MR4025466
- (56) Ahmed, Malik Tusif, Dumitrescu, Tiberiu and Khadam, M. Azeem, Commutative rings with absorbing factorization, *Comm. Algebra* 48 (2020), no. 12, 5067--5075], 13A15 (13F15) Submitted 2020-12-16 MR4150719
- (57) Belshoff, Richard; Kline, Daniel; Rogers, Mark W., Sets of lengths of powers of a variable, *Rocky Mountain J. Math.* 49 (2019), no. 3, 729--741. 13A05 (13E10) Submitted 2021-1-18, MR3983297
- (58) Chang, Gyu Whan; Oh, Dong Yeol, Divisibility properties of twisted semigroup rings, *Comm. Algebra* 48 (2020), no. 3, 1191--1200 13A02, (13A15, 13F15, 20M35), Submitted 2021-2-2, MR4079525
- (59) Burcu Nisanc Turkmen and Ergul Turkmen, δ_{ss} -supplemented modules and rings, DOI: 10.2478/auom-2020-0041 *An. St. Univ. Ovidius Constanta Vol.* 28(3), 2020, 193-216, Submitted 2021-6-5, MR4193199

(II)I reviewed the following papers for the ZENTRALBLATT MATH Reviews since January 2006: I will mention the papers for the few years:

- (1) Lee, Sang Cheol, Multiplication modules whose endomorphism rings are integral domains, *Bull. Korean Math. Soc.* 47, No. 5, 1053-1066 (2010). Submitted 2011-02-02 22:49:27, DE058041993
- (2) Illusie, Luc; Beilinson, Alexander; Bloch, Spencer; Drinfeld, Vladimir, Reminiscences of Grothendieck and his school, *Notices Am. Math. Soc.* 57, No. 9, 1106-1115 (2010)., Submitted 2011-03-24 5:49:00, DE058042239
- (3) Cifuentes, Veronica; Lezama, Oswaldo, Testing freeness over Hermite rings, *J. Math. Sci. Adv. Appl.* 5, No. 2, 289-306 (2010), Submitted 2011-04-03 16:04:01, DE058279730
- (4) El Bachraoui, Mohamed, On relatively prime subsets and supersets, *Integers*, 10, No. 5, 565-574 (2010). Submitted 2011-04-15 13:38:45, DE058222863
- (5) Effinger, Gove, Toward a complete twin primes theorem for polynomials over finite fields, Mullen, Gary L. (ed.) et al., *Finite fields and applications. Proceedings of the eighth international conference on finite fields and applications, Melbourne, Australia, July 9--13, 2007.* Providence, RI: American Mathematical Society (AMS) (ISBN 978-0-8218-4309-3/pbk). *Contemp. Math.* 461, 103-110 (2008)., Submitted 2011-06-10 04:43:20, Zbl pre05575554, DE055755545
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Papers Under Preparation

- 1) On Commutative Clean Rings, an Investigation of Their Pure Ideals.
- 2) On Splitting Rings of a Set of Polynomials Over the Ring of Integers.
- 3) A survey of Unique Factorization Domains and related topics
- 4) On McCoy Rings.

Books

A book in Number Theory, (with Mowaffaq Hajja and Sadi Abu-Sayme) at Yarmouk University). This book was sponsored by The Open University of Al-Quds. The date of contract was May 1992. It was published in 1995. Its classification No. is: 512.7– 628 /6/1995.

Supervision of Graduate Work:

- [1] I supervised each of the following (MSc.) Master Theses while at Yarmouk University:
- 1) Kamillia Dahleh Hassouneh. Title of Thesis “On Duo Rings and Zero Commutative Rings”. Y.U, Aug. 1990.
 - 2) Basim Maraqa. Title of Thesis “A Generalization of Wedderburn-Artin Theorem”. Y.U, Nov. 1990.
 - 3) Nadia Al-Habali. Title of Thesis “On the Commutativity of Certain Rings”. Y.U, Aug. 1991.
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 - 5) Nasser Ababneh. “On Artinian Serial Rings”. Y.U, May 1999.
 - 6) Alaa Al-Qateeb, “On Automorphisms of Polynomial Rings”. Y.U, July 2009.
 - 7) Shadi Shaqaqha, “On Power Series Rings|. Y.U, July 2009.
 - 8) Basheer Yousef Al-Ali, Splitting Rings of a Polynomial over the Ring of Algebraic Integers. Y.U, August 2010.
- [2] I served as a member of the defense committee for the following Ph.D Theses:
- 1) Ali Handam, Special Elements in Group Rings of a Cyclic Group over a Boolean Rings, University of Jordan, Dec. 2007.
 - 2) Firas Khalil A. Safi, Some Results on Fuzzy Pure Ideals, August, 2009.
 - 3) Mohammad Ali Mohammad Abu Dayah, Further Properties of Hurwitzs Series Rings, University of Jordan. August 2010
- [3] I served as a member of the defense committee for the following M.Sc. Theses:
- 1) Maha A. Nazif, Zariski Topology of the Space of Minimal Prime Ideals, The University of Jordan, Aug. 1987.
 - 2) Yousef Odeh Abd Al-Jalel, Pure Ideals in Commutative Rings with Unity, The University of Jordan, Dec. 1987.
 - 3) Yamama F. Sawalha, Multiplication Modules, Yarmouk University, Aug. 990.
 - 4) Nadir A. Abu Eishah, Polynomial Mappings and m-Applications, Yarmouk University, May 1990.
 - 5) Muhammad I. Syam, Differentials Between Graded Modules over a Graded Polynomial Ring, Yarmouk University, January 1991.
 - 6) Zohair F. Abu Abbas, A study in Character Theory of Finite Groups, Yarmouk University, January. 1991.
 - 7) Kifah Y. Al-Hami, Maps Between Spheres with Applications, Yarmouk University, May 1991.
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 - 10) Riyadh Sami Hussein, Free Modules and Matrix Equivalent Forms, Yarmouk University, May 1998.
 - 11) Maher Mahmoud Hamidi, Galois Group for Certain Field Extensions, Yarmouk University, June 1998.

- 12) Ahmed Abed Omran, Finite Maximal Proper Involutions on Semigroups Amalgamations, Yarmouk University, July 1998.
- 13) Hassan Jiad Suadi, Solutions for Equations Corresponding to $*$ -Embeddability of Proper $*$ - Semigroup into a Proper $*$ - Ring, Yarmouk University, July 1998.
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- 15) Hassan Jawad, On the Inversions of Semi-Groups, Yarmouk University, August, 1998.
- 16) Fadi Abdullah Awawdeh, On Properties of Graded Rings, Yarmouk University, December, 1999.
- 17) Lucy A. Hazaymeh, Positive Semi-Definite Forms, Yarmouk University, August, 2003.
- 18) Rashid R. Rashid, Further Properties of Graded Rings and the Equivalence of Graduation, Yarmouk University, May 2004.
- 19) Manar Al-Qudah, A Study on Some Properties of Graded modules and Applications. Yarmouk University, December, 2004.
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- 23) Hamza Abd Allah Al-Kordy, Zero Divisor Graphs of Direct Products of Commutative Rings, The University of Jordan, November, 2008. (Ph.D)
- 24) Ahmad Abed Al-Fatah Ka'abneh, Exploiting Permutation Representations in Solving Systems of Linear Equations, Al al-bayt University, January, 2009.
- 25) Mohammad Ali Al-Khalaileh, On Regular Elements in Commutative rings, University of Jordan, May, 2009.
- 26) Mostafa Ahmad Saleem Hayajneh, Properties of Certain Classes of Simplices, Yarmouk University, April, 2010.
- 27) Hanan Saleh AlAzam, Automorphisms of Graphs, Yarmouk University, August, 2010.
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- 29) Amjad Natour, On Eisenstein's Irreducibility Criterion, Yarmouk University, May 2015.
- 30) Muhannad Masri, Solvable groups and a theorem of P. Hall, Irbid National University. June, 2015
- 31) Amer Rawashdeh, On Eisenstein's Irreducibility Criterion, Yarmouk University, August 2015.
- 32) Husam Zuraiqat, Solvable groups and a theorem of P. Hall, Irbid National University, August, 2015.
- 33) Basim Musa Bdah, Simple Groups and Groups Acting on Sets, Irbid National University, January, 2017.
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- 35) Aisha Ahmad Saleem Hayajneh, Centers of Geometric Figures, Yarmouk University, May 2017.
- 36) Manar Zuhair Hamdan, Some Certain Properties of Graded Rings", Yarmouk University, February, 2018.
- 37) Maali Hasan Almanger, Graded Prime Submodules over Noncommutative rings, Yarmouk University, February, 2018.

- 38) Ahmad Hasan Shhemat, On Generalizations of Graded Primary Submodules, Yarmouk University, July 2018.
- 39) Amro Mohammad Hamydeh, Basic Concepts of Semidirect Product of Groups, Irbid National University, January, 2019.
- 40) Heba Shashan, On Generalizations of Graded 2-absorbing Submodules, Yarmouk University, January, 2021.
- 41) Sana.a Awad Shaltaf, On Idealization of Modules in Commutative Rings, The University of Jordan, April 2021.
- 42) Nadeen Kdaisat, On Hom-Lie Algebras, Yarmouk University, April, 2021.
- 43) Areej Abdalsalam Ahmad Aloul, On Gamma Rings, Yarmouk University, April, 2021.
- 44) Ranya Abdallah, On Graded Strongly Quasi Primary Ideals, Yarmouk University, May, 2021.