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Ayman Badawi, Ph.D

Website: www.ayman-badawi.com

American Univ. Sharjah: <https://www2.aus.edu/facultybios/profile.php?faculty=abadawi>

Google Scholar: <https://scholar.google.com/citations?user=kk6vsV0AAAAJ&hl=en>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7005226578>

Math. Science Net Papers: <http://www.ams.org/mathscinet/mrcit/individual.html?mrauthid=345474>

[Math. Science Net Reviews](#)

Research Gate: https://www.researchgate.net/profile/Ayman_Badawi

Academia: <http://aus.academia.edu/ABadawi>

Research Area: Commutative Algebra, Pi-Regular Rings, and Graphs Associated to Rings

Education

Sep 1990 – Aug 1993 **University of North Texas**
Ph.D. Algebra
Denton, Texas, United States of America

Sep 1986 – Jul 1988 **Tennessee Technological University**
M. S in Mathematics, Algebra
Cookeville, Tennessee, United States of America

Sep 1982 – May 1986 **Tennessee Technological University**
B. S. in Mathematics and B.S. in Computer Science, Mathematics and
Computer Science (Double Major)
Cookeville, Tennessee , United States of America

Ph.D. Thesis: *Pi-regular rings, 1993.*

Research Experience

Sep 2003 – present **Professor (Full)**
American University of Sharjah, Department of Mathematics and
Statistics
Sharjah, United Arab Emirates

Aug 1998 – Aug 1999 **Professor (Assistant) visiting scholar**
University of Tennessee, Department of Mathematics, Knoxville, USA

- Mar 1997 – May 2003* **Professor (Assistant) and Professor (Associate)**
 Birzeit University, Department of Mathematics
 Ramallah, West Bank, Palestine
- Sep 1993 – Aug 1995* **Professor (Assistant) visiting Assistant Professor**
 Emory and Henry College, Mathematics, Emory, Virginia, USA

Languages Arabic, English

Awards & Grants

Award	Excellence in Research Award for the Academic year 2014-2015. Awarded to Dr. Ayman Rateb Badawi by the Dean of College of Arts and Science at AUS.	Apr. 22, 2015
External Grant	Travel Grant. AED 8,500.00. Awarded to Dr. Ayman Rateb Badawi by University of Granada, Spain.	Oct. 4, 2014
External Grant	Travel Grant (only housing and meals). AED 6,000.00. Awarded to Dr. Ayman Rateb Badawi by University of Tennessee, Knoxville, USA.	Nov. 11, 2013
Award	Excellence in Teaching. Awarded to Dr. Ayman Rateb Badawi by CAS-Teaching-Award: Excellent in teaching for the year 2012-2013.	May. 5, 2013
External Grant	Research-visitor at University of Roma II. AED 10,000.00. Awarded to Dr. Ayman Rateb Badawi by Italian Ministry of University and Scientific and Technological Research (MURST).	Nov. 1, 2002
External Grant	Ashrawi Scholarship. AED 12,000.00. Awarded to Dr. Ayman Rateb Badawi by One-month research grant at Vrije University, Amsterdam, Holland, 1997.	Oct. 1, 1997
External Grant	Pew Fellowship. AED 6,000.00. Awarded to Dr. Ayman Rateb Badawi by Short-Period Research Grant at the university of Kentucky where I visited Prof. Paul Eakins.	Jun. 10, 1994

**Scientific
Memberships**

American Math Society (AMS)
Honorary member: Middle East Center of Algebra and its
Applications (MECAA)
http://math.kau.edu.sa/Content.aspx?Site_ID=13009&lng=EN&cid=87856

Graduate Students

- (1) 2016-2017: External Examiner for a Ph.D. Thesis (B-E. de Klerk), University of the Free State, Bloemfontein, South Africa.
- (2) 2014-2016 (Master Thesis, AUS, Supervisor): Mohammad Abdullah, "On the Unit Dot Product Graph of a Commutative Ring."
- (3) 2015-2016: External Examiner for a Ph.D. Thesis (Litegebe Wondie), Addis Ababa Univ, Ethiopia
- (4) 2015-2016: External Examiner for a master thesis (Wahdan ABu Ziadah), UAE-University, Alain, UAE.

Undergraduate Students

- 1 Hossam Shoman: On partitioning of positive Integers
- 2 AlaEddin Douba: On multiplicative groups module n with identity different from one.

Courses that I taught

Graduate Abstract Algebra I, Graduate Abstract Algebra II,
Graduate Advanced Linear Algebra, Graph Theory, Calculus III,
Differential Equations, Business Math, Calculus for business,
Calculus I, Linear Algebra, Discrete Math., Undergraduate
Abstract Algebra I, Geometry for the Arts and Architects,
Geometry for Math. Students, and College Algebra.

University Committees

Seminar coordinator for the Math. Dept., AUS- FPC-committee (rolling and promotion cases), Sabbatical committee, University Faculty-Research-Grant Committee (FRGC), Active organizer of the two conferences on Mathematics: AUS-ICMS2010 and AUS-ICMS2015

External Committees

University of Louisville (Kentucky, USA), Promotion Committee to an Associate Professorship, South Africa's National Research Foundation (NRF), Reviewer of research projects submitted for funding at King Fahd University of Petroleum & Minerals, Book reviewer for Birkhäuser | Springer-Verlag,, Book reviewer for Wiley, Reviewer for the American Math. Society (AMS), External Examiner for Ph.D. (M.S.) Theses in South Africa, Ethiopia, and UAE, External reviewers for promotion cases in Jordan and Saudi Arabia.

Editor

- 1 Editor in Chief of the Palestine Journal of Mathematics
<http://pjm.ppu.edu/index.php>
- 2 Member of the editorial board of the Journal: Analele Stiintifice ale Universitatii Ovidius Constanta:
<http://www.anstuocmath.ro/editorial-board>
- 3 Member of the editorial board of the Journal: Interdisciplinary Mathematics:
<http://www.tarupublications.com/journals/jim/editorial-board.htm>
- 4 Guest Editor for two issues of the Arabian Journal for Science and Engineering published by Springer (2012). Two issues were devoted for the two special sessions on Algebra that I organized during our first conference ICMS- 2010. See the two links:
<http://link.springer.com/journal/40065/1/1/page/1> and
<http://link.springer.com/journal/13369/36/6/page/1>
- 5 . Member of the editorial board of Transaction on Algebra and Its Applications:
<http://www.talgap.com/index.php/taa/about/editorialTeam>

Refereeing

American Math. Monthly (AMM); Journal of Pure and Applied Algebra; Journal of Algebra and Its Applications; Canadian Math Bulletin; Communications in Algebra; Houston Journal of Mathematics; Rocky Mountain Journal of Mathematics; Linear Algebra and Its Applications; Discrete Mathematics; Discrete Mathematics, Algorithms and Applications (DMAA); Colloquium Mathematicum; Archiv der Mathematik; Discussiones Mathematicae, General Algebra and Applications; Georgian Journal of Mathematics; Ricerche di Matematica; New York Journal of Mathematics; Czechoslovak Mathematical Journal; AKCE International Journal of Graphs and Combinatorics; Turkish Journal of Mathematics; Algebra and discrete mathematics; Tamkang Journal of Mathematics; Korean Mathematical Society (JKMS); Beiträge zur Algebra und Geometrie / Contributions to Algebra and Geometry; Algorithms and Applications (DMAA); Algebra Colloquium; Matematicki Vesnik; Acta Mathematica Academiae Paedagogicae Nyiregyhaziensis (AMAPN); Kyungpook Mathematical Journal; International Journal of Mathematics and Mathematic Sciences (IJMMS); Note di Matematica; Quaestiones Mathematicae; Communications, Series A1: Mathematics and Statistics; São Paulo Journal of Mathematical Sciences; Journal of Mathematics; Quasigroups and Related Systems; BULLETIN MATHÉMATIQUE de la Société des Sciences Mathématiques de Roumanie; Kragujevac Journal of Mathematics; Italian Journal of Pure and Applied Mathematics; Asian-European Journal of Mathematics (AEJM); Journal of prime research in mathematics; International Journal of Biomathematics; Journal Le Matematiche; Communication in Combinatorics and Optimization; Afrika Matematika; Bulletin of the Iranian Mathematical Society (BIMS); Journal of Algebra Combinatorics Discrete Structures and Applications; Involve; Egyptian Mathematical Society; Proceedings Mathematical Sciences; Miskolc Mathematical Notes; Acharya Nagarjuna International Journal of Mathematics & Information Technology; Arabian Journal of Mathematics; International Electric Journal of Algebra; Indian Journal of Mathematics (IJM); Indian Journal of Pure and Applied Mathematics; Bulletin of the Allahabad Society (BAMS); Proc. Pakistan Acad. Sci; Algebra and Game Theory Journal; Novi. Sad Journal of Mathematics; Jordan Journal of Mathematics and statistics (JJMS); Proc. Malaysian Math. Society; Abstract and Applied Analysis; International Journal of Combinatorics; Journal of combinatorial mathematics and combinatorial computing; Hacettepe Journal of Mathematics and Statistics; Advanced Studies in Contemporary Mathematics (Kyungshang); Filomat; Mathematica Slovaca;

Publication Highlights

Books

- 1 Badawi, Ayman, K. Prasad, K. Srinivas, H. Panackal, B. Satyaanarayana, K. Neuerburg, G. Booth, B. Davvas, M. Farag, S. Juglal. *Nearrings, NearFields, and Related Topics*. Singapore, New Jersey, London: world scientific, https://books.google.ae/books?id=H8ikDQAAQBAJ&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false, 2017.
- 2 Badawi, Ayman, J. Abuhlail, S. Kabbaj, A. Jaballah, A. Laradji, R. Wisbauer. *Selected Papers from the Algebra Sessions at the First International Conference on Mathematics and Statistics (AUS-ICMS'10)*. Arabian Journal of Mathematics: Springer <https://link.springer.com/journal/40065/1/1/page/1>, 2012.
- 3 Badawi, Ayman, J. Abuhlail, S. Kabbaj, A. Jaballah, A. Laradji, R. Wisbauer. *Mathematics - Part One (pp. 919-1070) First International Conference on Mathematics and Statistics (AUS-ICMS'10); Part Two (pp. 1071-1169): Regular Articles*. Arabian Journal for Science and Engineering: Springer , <https://link.springer.com/journal/13369/36/6/page/1>, 2011.
- 4 Badawi, Ayman. *Focus on Commutative Rings Research*. United State of America: Nova Science, 2006.
- 5 Badawi, Ayman. *Abstract Algebra Manual: Problems and Solutions*. Unites state of America: Nova Science, 2004.

Book Chapters

- 1 Chapter Badawi, Ayman, David F. Anderson. "The Zero-Divisor Graph of a Commutative Semigroup: A Survey, DOI: 10.1007/978-3-319-51718-6_2." In *Groups, Modules, and Model Theory-Surveys and Recent Developments*, edited by Manfred Droste, László Fuchs, Brendan Goldsmith, Lutz Strüngmann, 23-39. Germany/NewYork: Springer, 2017.
- 2 Chapter Badawi, Ayman. "Recent results on annihilator graph of a commutative ring: A survey." In *Nearrings, Nearfields, and Related Topics*, edited by K. Prasad et al, (11 pages), New Jersey: World Scientific, 2017.

3	Chapter	Ayman Badawi. "Matrix Algebra, Basics of." In <i>Encyclopedia of Social Network Analysis and Mining</i> , edited by Alhaji, Reda, Rokne, Jon (Eds.), (9 pages), New York: Springer, 2014.
4	Chapter	Ayman Badawi. "On the Total Graph of a Ring and Its Related Graphs: A Survey." In <i>Commutative Algebra: Recent Advances in Commutative Rings, Integer-Valued Polynomials, and Polynomial Functions</i> , DOI 10.1007/978-1-4939-0925-4__3, edited by M. Fontana et al. (eds.), 39-54. New York: Springer Science + Business Media, 2014.
5	Chapter	Badawi, Ayman. "On rings with divided nil ideal: a survey." In <i>Commutative Algebra and its Applications</i> , edited by Marco Fontana, Salah-Eddine Kabbaj, Bruce Olberding and Irena Swanson, (20 pages). Germany: Walter De Gruyter, 2009.
6	Chapter	Badawi, Ayman, David F. Anderson, David E. Dobbs and Jay E. Shapiro. "Divisibility properties in ultrapowers of commutative rings." In <i>Commutative Algebra and its Applications</i> , edited by Marco Fontana, Salah-Eddine Kabbaj, Bruce Olberding and Irena Swanson, (11 pages). Germany: Walter De Gruyter, 2009.
7	Chapter	Badawi, Ayman. "A Counter example for a question on pseudo-valuation rings." In <i>Abelian Groups, Rings, Modules, and Homological Algebra</i> , edited by Pat Goeters and Overtoun M . G . Jenda, (5 pages). USA: Chapman and Hall/CRC, 2006.
8	Chapter	Badawi, Ayman, Lucas G. Thomas. "Rings with prime nilradical." In <i>Arithmetical properties of commutative rings and monoids</i> , edited by Scott Chapman, (15 pages). USA: Chapman & Hall/CRC, 2005.
9	Chapter	Badawi, Ayman. "Pseudo-valuation domains: a survey." In <i>Mathematics & mathematics education</i> , edited by S. Elaydi, E. S. Titi, M. Saleh, S. K. Jain and R. Abu-Saris, (22 pages). USA: World Scientific Publishing, 2002.
10	Chapter	Badawi, Ayman. "On the complete integral closure of rings that admit a phi-strongly prime ideal." In <i>Commutative Ring Theory and Applications</i> , edited by Marco Fontana, Salah-Eddine Kabbaj , and Sylvia Wiegand, (8 pages). USA: Chapman and Hall/CRC, 2002.
11	Chapter	Badawi, Ayman, David E. Dobbs. "Some examples of locally divided rings." In <i>Ideal theoretic methods in commutative algebra</i> , edited by Daniel D. Anderson and Ira J. Papick, (11 pages). USA: Dekker and now Taylor & Francis, 2001.
12	Chapter	Badawi Ayman, David F. Anderson. "Conditions equivalent to seminormality in certain classes of commutative rings." In <i>Ideal theoretic methods in commutative algebra</i> , edited by Daniel D. Anderson and Ira J. Papick, (11 pages). USA: Dekker and now Taylor & Francis, 2001.
13	Chapter	Badawi, Ayman. "On ϕ -pseudo-valuation rings." In <i>Advances in commutative ring theory</i> , edited by David E. Dobbs, Marco Fontana and Salah-Eddine Kabbaj, (10 pages). USA: Dekker and now Taylor & Francis, 1999.
14	Chapter	Badawi, Ayman, David F. Anderson and David E. Dobbs. "Pseudo-valuation rings." In <i>Commutative ring theory</i> , edited by Paul-Jean Cahen, Marco Fontana, Evan Houston and Salah-Eddine Kabbaj, (11 pages). Dekker and now Taylor & Francis: Dekker and now Taylor & Francis, 1997.

15 Chapter Badawi, Ayman. "A visit to valuation and pseudo-valuation domains." In *Zero-dimensional commutative rings*, edited by David F. Anderson and David E. Dobbs, (7 pages). USA: Dekker and now Taylor & Francis, 1994.

Journal Publications

1. Badawi, Ayman, and David F. Anderson. "On (m,n) -closed ideals of commutative rings." *Journal of Algebra and its Applications* 16, no. 1 (2017): 21. doi: [10.1142/S021949881750013X](https://doi.org/10.1142/S021949881750013X). url: <http://www.worldscientific.com/doi/abs/10.1142/S021949881750013X>. [Comment: ISSN# 0219-4988.]
2. Badawi, Ayman. "On weakly semiprime ideals of commutative rings." *Beitraege zur Algebra und Geometrie* 57, no. 3 (2016): 589-597. doi: [10.1007/s13366-016-0283-9](https://doi.org/10.1007/s13366-016-0283-9). url: <https://link.springer.com/article/10.1007/s13366-016-0283-9>. [Comment: ISSN# 0138-4821.]
3. Badawi, Ayman, Tekir, Unsal, Ugurlu, Emel, Ulucak, Gulsen, and Yetkin, Ece. "Generalizations of 2-absorbing primary ideals of commutative rings." *Turkish Journal of Mathematics* 40, no. 3 (2016): 15. doi: [10.3906/mat-1505-43](https://doi.org/10.3906/mat-1505-43). url: <http://journals.tubitak.gov.tr/math/lastIssue.htm>. [Comment: ISSN# 1300-0098.]
4. Badawi, Ayman, Unsal Tekir, and Ece Yetkin. "ON WEAKLY 2-ABSORBING PRIMARY IDEALS OF COMMUTATIVE RINGS." *Korean Mathematical Society* 52, no. 1 (2015): 97–111. doi: [10.4134/JKMS.2015.52.1.097](https://doi.org/10.4134/JKMS.2015.52.1.097). [Comment: ISSN# 0304-9914.]
5. Badawi, Ayman. "ON THE DOT PRODUCT GRAPH OF A COMMUTATIVE RING." *Communications in Algebra* 43, no. 1 (2015): 43-50. doi: [10.1080/00927872.2014.897188](https://doi.org/10.1080/00927872.2014.897188). [Comment: ISSN# 0092-7872.]
6. Badawi, Ayman, Unsal Tekir, and Ece Yeikin. "ON 2-ABSORBING PRIMARY IDEALS IN COMMUTATIVE RINGS." *Bulletin of the Korean Mathematical Society* (ISSN:1015-8634) 51, no. 4 (2014): 1163-1173. doi: [10.4134/BKMS.2014.51.4.1163](https://doi.org/10.4134/BKMS.2014.51.4.1163).
7. Badawi, Ayman. "On the annihilator graph of a commutative ring." *Communications in Algebra* 42, no. 1 (2014): 14. doi: [10.1080/00927872.2012.707262](https://doi.org/10.1080/00927872.2012.707262). url: <http://www.ayman-badawi.com/FILES/ANN%20GRAPH%20%20as%20in%20communication%20in%20algebra.pdf>. [Comment: ISSN# 0092-7872.]
8. Badawi, Ayman, and Darani Ahmad Yousefian. "ON WEAKLY 2-ABSORBING IDEALS OF COMMUTATIVE RINGS." *Houston Journal of Mathematics* 39, no. 2 (2013): 441- 452. url: <http://www.math.uh.edu/~hjm/Vol39-2.html>. [Comment: ISSN# 0362-1588.]

9. Badawi, Ayman, and David F. Anderson. "THE GENERALIZED TOTAL GRAPH OF A COMMUTATIVE RING." *Journal of Algebra and its Applications* 12, no. 5 (2013): 18. doi: [10.1142/S021949881250212X](https://doi.org/10.1142/S021949881250212X). url: <http://www.ayman-badawi.com/Badawi%20Papers/THE%20GENERALIZED%20TOTAL%20GRAPH%20AS%20APPEARED.pdf>. [Comment: ISSN# 0219-4988.]

10. Badawi, Ayman, and David F. Anderson. "Von Neumann Regular and Related Elements in Commutative Rings." *Algebra Colloquium* 19, no. Spec1 (2012): 24. url: <http://www.ayman-badawi.com/FILES/Algebra%20Colloquium%20paper.pdf>. [Comment: ISSN# 1005-3867.]

11. Badawi, Ayman, and David F. Anderson. "ON THE TOTAL GRAPH OF A COMMUTATIVE RING WITHOUT THE ZERO ELEMENT." *Journal of Algebra and its Applications* 11, no. 4 (2012): 18. doi: [10.1142/S0219498812500740](https://doi.org/10.1142/S0219498812500740). url: <http://www.ayman-badawi.com/Badawi%20Papers/Total%20Graph%20No%20Zero%20Element.pdf>. [Comment: ISSN# 0219-4988.]

12. Badawi, Ayman. "A Characterization of normal subgroups via n-closed sets." *Advances Studies in Contemporary Mathematics* 22, no. 2 (2012): 5. url: <http://www.ayman-badawi.com/FILES/Normal%20subgroup.PDF>.

13. Badawi, Ayman, and David F. Anderson. "ON n-ABSORBING IDEALS OF COMMUTATIVE RINGS." *Communications in Algebra* 39 (2011): 27. doi: [10.1080/00927871003738998](https://doi.org/10.1080/00927871003738998). url: <http://www.ayman-badawi.com/FILES/ON%20n-ABSORBING%20IDEALS%20OF%20COMMUTATIVE%20RINGS%20as%20printe>. [Comment: ISSN# 0092-7872.]

14. Badawi, Ayman, and David F. Anderson. "The total graph of a commutative ring." *Journal of Algebra* 320 (2008): 14. url: <http://www.ayman-badawi.com/FILES/Anderson%20Bad%20Total%20Graph%20J%20Algebra%20008.pdf>. [Comment: ISSN# 0021-8693.]

15. Badawi, Ayman, and Ali Jaballah. "SOME FINITENESS CONDITIONS ON THE SET OF OVERRINGS OF A ϕ -RING." *Houston Journal of Mathematics* 34, no. 2 (2008): 12. url: <http://www.ayman-badawi.com/FILES/Finite%20number%20of%20overrings%20with%20Jaballah.pdf>. [Comment: ISSN# 0362-1588.]

16. Badawi, Ayman, and David F. Anderson. "ON THE ZERO-DIVISOR GRAPH OF A RING." *Communications in Algebra* 36 (2008): 20.
doi: [10.1080/00927870802110888](https://doi.org/10.1080/00927870802110888). [Comment: ISSN# 0092-7872.]
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17. Badawi, Ayman. "ON 2-ABSORBING IDEALS OF COMMUTATIVE RINGS." *Bulletin of the Australian Mathematical Society* 75 (2007): 13.
url: <http://www.ayman-badawi.com/FILES/2-absorbing.pdf>. [Comment: ISSN# 0004-9727.]
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18. Badawi, Ayman. "ON PSEUDO-ALMOST VALUATION DOMAINS." *Communications in Algebra* 35 (2007): 15.
doi: [10.1080/00927870601141951](https://doi.org/10.1080/00927870601141951). [Comment: ISSN# 0092-7872.]
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19. Badawi, Ayman, and Thomas G. Lucas. "ON phi-MORI RINGS." *Houston Journal of Mathematics* 32 (2006): 32. url: <http://www.ayman-badawi.com/FILES/Phi-Mori%20%202006.pdf>. [Comment: ISSN# 0362-1588.]
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20. Badawi, Ayman, and David E. Dobbs. "STRONG RING EXTENSIONS AND phi --PSEUDO-VALUATION RINGS." *Houston Journal of Mathematics* 32 (2006): 20. url: <http://www.ayman-badawi.com/FILES/Strong%20Ring%20Ext%20and%20Phi-Pvr%202006.pdf>. [Comment: ISSN# 0362-1588.]
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21. Badawi, Ayman. "Factoring nonnil ideals into prime and invertible ideals." *Bulletin of the London Mathematical Society* 37 (2005): 8.
doi: [10.1112/S0024609305004509](https://doi.org/10.1112/S0024609305004509).
url: <http://blms.oxfordjournals.org/content/37/5/665.abstract>. [Comment: ISSN# 0024-6093.]
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22. Badawi, Ayman, and David F. Anderson. "ON - Phi-DEDEKIND RINGS AND Phi--KRULL RINGS." *Houston Journal of Mathematics* 32 (2005):
url: <http://www.ayman-badawi.com/FILES/PHI-%20Dedekind%20and%20Phi-Krull%202005.pdf>. [Comment: ISSN# 0362-1588.]
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23. Badawi, Ayman. "A Characterization of Valuation Domains via m-Canonical Ideals." *Communications in Algebra* 32, no. 11 (2004): 12.
url: <http://www.tandfonline.com/doi/full/10.1081/AGB-200034159#.UmkQmH--2So>. [Comment: ISSN# 0092-7872.]
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24. Badawi, Ayman, and David F. Anderson. "ON phi-Prufer Rings AND phi-Bezout Rings." *Houston Journal of Mathematics* 30, no. 2 (2004): 13.
url: <http://www.ayman-badawi.com/FILES/phi-Prufer.pdf>. [Comment: ISSN# 0362-1588.]
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25. Badawi, Ayman. "On Nonnil-Noetherian Rings." *Communications in Algebra* 31, no. 4 (2003): 9. url: <http://www.tandfonline.com/doi/full/10.1081/AGB-120018502#.UmKSJn--2So>. [Comment: ISSN# 0092-7872.]
26. Badawi, Ayman, and David F. Anderson. "DIVISIBILITY CONDITIONS IN COMMUTATIVE RINGS WITH ZERODIVISORS." *Communications in Algebra* 30, no. 8 (2002): 17.
url: <http://www.tandfonline.com/doi/full/10.1081/AGB-120005834>.
[Comment: ISSN# 0092-7872.]
27. Badawi, Ayman, and Evan Houston. "Powerful ideals, strongly primary ideals, almost pseudo-valuation domains, and conducive domains." *Communications in Algebra* 30, no. 4 (2002): 16.
url: <http://www.tandfonline.com/doi/full/10.1081/AGB-120013202>.
[Comment: ISSN# 0092-7872.]
28. Badawi, Ayman, A. Y. M Chin, and H. V Chen. "On rings with near idempotent elements." *International Journal of Pure and Applied Mathematics* 1, no. 3 (2002): 8.
url: <http://www.ijpam.eu/contents/2002-1-3/3/3.pdf>. [Comment: ISSN# 1311-8080.]
29. Badawi, Ayman. "On phi-chained rings and phi-pseudo-valuation rings." *Houston Journal of Mathematics* 27, no. 4 (2001): 12.
url: <http://math.uh.edu/~hjm/Vol27-4.html>. [Comment: ISSN# 0362-1588.]
30. Badawi, Ayman, and David E. Dobbs. "ON LOCALLY DIVIDED RINGS AND GOING-DOWN RINGS." *Communications in Algebra* 29, no. 7 (2001): 21.
url: <http://www.tandfonline.com/doi/full/10.1081/AGB-4988>. [Comment: ISSN# 0092-7872.]
31. Badawi, Ayman, and David F. Anderson. "On root closure in commutative rings." *Arabian Journal for Science and Engineering. Section B: Engineering* 26, no. iC (2001): 14.
url: <http://www.ams.org/mathscinet/pdf/1843453.pdf?pg1=ISSI&s1=193743&vfpref=html&r=2>. [Comment: ISSN# 1319-8025.]
32. Badawi, Ayman, David F. Anderson, and David E. Dobbs. "Pseudo-valuation rings II." *Bollettino Dell'istituto Storico Italiano Per Il Medioevo* 8, no. 3 (2000): 11.
url: http://www.bdim.eu/item?fmt=pdf&id=BUMI_2000_8_3B_2_535_0.
[Comment: ISSN# 1127-6096.]
33. Badawi, Ayman. "On chained over rings of pseudo-valuation rings." *Communications in Algebra* 28, no. 5 (2000): 8.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927870008826965>.
[Comment: ISSN# 0092-7872.]

34. Badawi, Ayman. "Remarks on pseudo-valuation rings." *Communications in Algebra* 28 (2000): 16.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927870008826964>.
[Comment: ISSN# 0092-7872.]
35. Badawi, Ayman. "On phi-pseudo-valuation rings II." *Houston Journal of Mathematics* 26, no. 3 (2000): 9. url: <http://math.uh.edu/~hjm/Vol26-3.html>.
[Comment: ISSN# 0362-1588.]
36. Badawi, Ayman. "On divided commutative rings." *Communications in Algebra* 27, no. 3 (1999): 10.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927879908826507>.
[Comment: ISSN# 0092-7872.]
37. Badawi, Ayman. "On comparability of ideals of commutative rings." *Communications in Algebra* 26, no. 3 (1998): 10.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927879808826164>.
[Comment: ISSN# 0092-7872.]
38. Badawi, Ayman. "On abelian pi-regular rings." *Communications in Algebra* 25, no. 4 (1997): 13.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927879708825906>.
[Comment: ISSN# 0092-7872.]
39. Badawi, Ayman. "On domains which have prime ideals that are linearly ordered." *Communications in Algebra* 23, no. 12 (1995): 13.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927879508825469>.
[Comment: ISSN# 0092-7872.]
40. Badawi, Ayman. "On semi commutative pi-regular rings." *Communications in Algebra* 22, no. 1 (1994): 7.
url: <http://www.tandfonline.com/doi/abs/10.1080/00927879408824837>.
[Comment: ISSN# 0092-7872.]
41. Badawi, Ayman. " R_n contains a division ring iff R does." *American Mathematical Monthly* 100, no. 7 (1993): 2.
url: <http://www.jstor.org/stable/2323892?origin=crossref>.

Conferences:

1. Contributed Twenty minutes talk at International Conference on Recent Trends in
Talk Pure and Applied Mathematics, Alba iulia, Romania, August 1-5, 2017

2. Keynote Speaker The 30th International Conference of The Jangjeon Mathematical Society (ICJMS-2017) , Algiers, Algeria, July 12-15, 2017
 3. Invited Speaker International Conference on Commutative Rings and Algebras, Gyeongju, South Korea., June 4-10, 2017
 4. Keynote Speaker International Conference on Algebra, Errachidia, Morocco, April 26-28, 2017
 5. Contributed Talk 15th UAE-Math Day, Univ. of Sharjah, March 11, 2017
 6. Keynote Speaker International Seminar on Algebra, St. Berchmans Colleg, Kerala, India, February 8-10, 2017
 7. Keynote Speaker International Conference on Mathematics, Sanya, China, February 26-28, 2017
 8. Keynote Speaker ICMM16 , Don Bosco Institute of Technology, India, December 23-24, 2016
 9. Keynote Speaker International Conference on Science, Technology, Goa, India (Nov 10-12, 2016)
 10. Invited Speaker International Conference on Algebra and its Applications, Aligarh Muslim Univ, India, Nov 12-15, 2016
 11. Keynote Speaker Second International Conference on Commutative Algebra, Kathmandu, Nepal (Oct 17-28, 2016)
 12. Keynote Speaker 4th Seminar on Algebra and Its Applications, Ardabil, Iran (August 8-11, 2016)
 13. Invited Speaker Fifth Palestinian Conference on Modern Trends in Mathematics and Physics , Jenin, Palestine (July 31-August 2)
 14. Invited Speaker rings and polynomials, Graz, Austria, (July 3-8, 2016)
 15. Invited Speaker Recent advances in Commutative ring and Module theory, Bressanone/Brixen, Italy, (June 13-17, 2016).
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16. Keynote Speaker On expansion of ideals of commutative rings, 5th CARG-Workshop (Commutative Algebra Workshop), King Fahd University of Petroleum and Minerals, Saudi Arabia, April 25, 2016

 17. Contributed Talk On (m, n) -closed ideals of commutative ring, 14th UAE-Math Day, New York Univ. Abu Dhabi, March 12, 2016

 18. Invited Speaker On semi- n -absorbing ideals of commutative rings, 5th International Math Conference, UAE-University, Al-Ain, UAE, March 21-24, 2016

 19. Invited Speaker On (m, n) -closed ideals of commutative rings, New Pathways between Group Theory and Model Theory – A conference in memory of Rüdiger Göbe, “Wolfsburg” Academy in Mülheim, Feb 1-5, 2016 an der Ruhr, Germany

 20. Invited Speaker On absorbing ideals of commutative rings, 24th International Conference FIM 2015 Barcelona Forum for Interdisciplinary Mathematics (FIM), Barcelona, Spain

 21. Keynote Speaker Recent results on absorbing ideals, 24TH INTERNATIONAL CONFERENCE ON NEARRINGS, NEARFIELDS AND RELATED TOPIC , Manipal Univ., India, July 5-12, 2015

 22. Panel Chair I chaired one Algebra session at the THE 28TH INTERNATIONAL CONFERENCE OF JANGJEON MATHEMATICAL SOCIETY, also I presented a talk, Antalya, TURKEY , 15-19 May 2015

 23. Keynote Speaker Commutative Algebra Workshop, April 27, 2015, at King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

 24. Invited Speaker Two lectures, First International Workshop on Algebra organized by Roge and Sylvia Wiegand , Kathmandu, Nepal April, 19-24, 2015

 25. Organizer I co-organized two special sessions on rings at our conference, AUS-ICMS15, April 2015

 26. Panel Chair I chaired the Algebra Session of the UAE-Math-Day and I presented a talk Sarboone Univ, Abudhabi, March 2015
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27. Keynote Speaker The 1st Combinatorics and Graph Theory Conference , Jan. 29-31, 2015, Shanghai, China Shanghai, China,
 28. Keynote Speaker Granada Univ. (Spain), visiting Professors Pascal Jara and Pedro Garcia , I delivered two talks: : Oct 4-10, 2014,
 29. Invited Speaker Arithmetic and Ideal Theory of Rings and Semigroups Conference, Glaz, Austria, Sept. 22-26, 2014.
 30. Invited Speaker The 4th Palestinian Conference on Math&Phys, Al-Quds University, Palestine August 11-13, 2014,
 31. Invited Speaker International Conference on Algebra & Number Theory, Samsun, Turkey, August 5-8, 2014
 32. Keynote Speaker International Workshop on Algebra & Applications, Fes, Morocco, June 18 21 2014
 33. Invited Speaker Algebraic Structures and Their Applications, SPINETO (SIENA), ITALY June 15-18, 2014
 34. Invited Speaker Cimpa School on Algebra, Galatasaray Univ, Istanbul, Turkey June 2-13, 2014
 35. Keynote Speaker UAE-Math Day at the American Univ in Dubai, April 20, 2014 , <http://www.aud.edu/conferences/UAEMathDay2014/speakers.asp>
 36. Keynote Speaker International Arab Conference on Mathematics and Computations, April 22-24, 2014, Zarqa University,
 37. Invited Speaker AMS (American Math Society) special session on Commutative Rings, March 21-23, 2014, Knoxville, Tn, USA
 38. Keynote Speaker Two lectures (each 50 minutes), Workshop on Algebraic Graph theory, Jar 22-24, 2014, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India.
 39. Invited Speaker Invited (30-minute talk), 3rd International Conference on Math & Information Science, Luxor, Egypt, Dec 28-30, 2013.
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40. Invited Speaker International Conference on Algebra Honoring Patrick Smith and John Clark, August 11-15, 2014 Balikasir, Turkey
 41. Invited Speaker Bloemfontein South Africe, International Conference on Rings, Near Rings and Radical, July 9-13, 2013
 42. Invited Speaker Albania, Elbasan: First International Western Balkans Conference On Math. May30-June 1, 2013
 43. Keynote Speaker For the Algebra & Topology workshop, Science City, Tunis, Jan. 30-Jan 31, (2013)
 44. Keynote Speaker Algebra workshop, Sultan Qaboos Univ, Muscat, Oman, November 28-29, 2013
 45. Invited Speaker Commutative rings & Integer-valued polynomials, Graz, Austria, Dec-16-18, (2013).
 46. Keynote Speaker For the Second Conference on Algebra, Ardabil, Iran, August 30-sept 1, (2012).
 47. Invited Speaker "Commutative Rings and their Modules, 2012", Bressanone, Italy, June 4-8 (2012).
 48. Keynote Speaker Algebra Workshop at King Fahd University of Petroleum and Minerals, Saudi Arabia, April 28-29, (2012).
 49. Organizing Committee For the Third Palestinian Conference on Math & Physics, Hebron, West Bank, Palestine, July 16-20 (2012).
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50. Organizer Marco Fontana and I organized a special session on Commutative Rings for the ICM-2012, Al-Ain, UAE, March 11-14, (2012)
 51. Keynote Speaker For the CONFERENCE (CCSCM 2012), Malaka, Malaysia, February 9-10 (2012)
 52. Invited Speaker Conference on Radicals of Rings, Sultan Qaboos University, Muscat, Oman, Jan. 20- 26 (2012).
 53. Invited Speaker For the Special session on rings, Joint Congress of the South African and American Mathematical Societies, Port Elizabeth, South Africa, Nov. 29 - Dec. 3, (2011).
 54. Invited Speaker For the Sohag Math Conference, Sohag, Egypt, Sept. 10-13, (2011).
 55. Invited Speaker I gave two talks at the Konya Math Conference, Turkey, July 20-23, 2011
 56. Invited Speaker AMS Special Session on Commutative Rings, Iowa-City, Iowa, March 18-20, 2011
 57. Invited Speaker For the integer-value polynomials and commutative rings conference, at CIRIM, Luminy, Marseille, France, Nov 28-Dec 3, 2010 .
 58. Invited Speaker For the Math Conference, Bolu, Turkey, Nov 23- 27, 2010
 59. Invited Speaker For the ICA10, International Conference on Algebra celebrating the 70th birthday of Prof. Schum Ping, YogyaKarta, Inodonesia, October 7-10, 2010
 60. Invited Speaker For the Second Conference on Math & Physics, Nablus, West Bank, Palestine, August 2-4, 2010.
 61. Invited Speaker For the School of Algebra Conference, Brasilia, Brazil, July 25-30, 2010
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62. Invited Speaker For the Commutative Rings-Days Conference, Rome, Italy, May 19-21, 2010
 63. Organizer I co-organized two special sessions on rings at our conference, AUS-ICMS10, March 2010
 64. Invited Speaker For the Commutative Algebra Conference in Honour of the 60th birthday of David F. Anderson, GyouengJu, South Korea, June 15-21, 2009
 65. Technical Committee Webpage Designer for the 3rd International Conference on Modeling, Simulations and Applied Optimization (ICMSAO'09), AUS, Shaejah, April 2009
 66. Invited Speaker For the special session on Commutative Algebra during the Annual meeting of the AMS, Washignton DC, Jan 4-8, 2009
 67. Organizer For the special session on Commutative Rings for the Pre-ICM International Convention on Mathematical Sciences, Delhi, India, Dec 18-20, 2008
 68. Invited Speaker International Conference on Math, Cairo, Egypt, Jan 4-10, 2008
 69. Invited Speaker The Fourth Conference on Commutative Rings, Fes & Ifran, Morocco, Jun 2008
 70. Keynote Speaker For the Algebra Seminars at the Institute for studies in Theoretical Physics and Mathematics(IPM), Tehran, Iran, November 2007
 71. Invited Speaker For the special session on rings, Math. Conference, Cairo, Egypt, November 2007
 72. Invited Speaker For the Commutative Rings Conference, Univ. of Connecticut, USA, June 2007
 73. Keynote Speaker For the International Math. Conference, BangKok, Thialand, March 2007
 74. Keynote Speaker For the Algebra Workshop, Sultan Qaboos Univ., Muscat, Oman, December 2006
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75. Invited Speaker For the Algebra Workshop, Cortona, Italy, June 2006
 76. Invited Speaker For the Algebra Conference, American Univ of Cairo, Egypt, March 2006
 77. Keynote Speaker For the Algebra Workshop at KFUPM, Saudi Arabia, March 2006
 78. Invited Speaker For the special session on Commutative Rings, Annual AMS, Meeting, Sar Antonio, Texas, October 2005
 79. Keynote Speaker For the Algebra Workshop, Sultan Qaboos Univ, Muscat, Oman, November 2005
 80. Invited Speaker For the Commutative Rings Conference, Cortona, Italy, June 2004
 81. Organizing Committee For the UAE-Math Day, AUS, March 2004
 82. Invited Speaker For the AMS-special session on Commutative Rings, Baton Rouge, Louisiana, U. S. A., March 14-17, 2003
 83. Invited Speaker For the Algebra Conference in Honor of Robert Gilmer, Venice, Italy, June 2001
 84. Invited Speaker For the Third International Conference on Commutative Rings, Fez, Morocco, 2002
 85. Invited Speaker For the integer-value polynomials and commutative rings conference, at CIRIM Luminy, Marseille, France, May 29-June 3, 2000
 86. Invited Speaker For the AMS-Special session on Commutative Rings, Charlotte, NC, USA, March 1999
 87. Invited Speaker For the AMS-Special session on Commutative Rings, Winston-Salem, NC, USA, March 1998
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