

## Books

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- 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

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- 3 Chapter Ayman Badawi. "Matrix Algebra, Basics of." In *Encyclopedia of Social Network Analysis and Mining*, 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 *Commutative Algebra: Recent Advances in Commutative Rings, Integer-Valued Polynomials, and Polynomial Functions*, 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.

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- 5 Chapter Badawi, Ayman. "On rings with divided nil ideal: a survey." In *Commutative Algebra and its Applications*, edited by Marco Fontana, Salah-Eddine Kabbaj, Bruce Olberding and Irena Swanson, (20 pages). Germany: Walter De Gruyter, 2009.
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- 6 Chapter Badawi, Ayman, David F. Anderson, David E. Dobbs and Jay E. Shapiro. "Divisibility properties in ultrapowers of commutative rings." In *Commutative Algebra and its Applications*, edited by Marco Fontana, Salah-Eddine Kabbaj, Bruce Olberding and Irena Swanson, (11 pages). Germany: Walter De Gruyter, 2009.
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- 10 Chapter Badawi, Ayman. "On the complete integral closure of rings that admit a phi-strongly prime ideal." In *Commutative Ring Theory and Applications*, edited by Marco Fontana, Salah-Eddine Kabbaj, and Sylvia Wiegand, (8 pages). USA: Chapman and Hall/CRC, 2002.
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- 11 Chapter Badawi, Ayman, David E. Dobbs. "Some examples of locally divided rings." In *Ideal theoretic methods in commutative algebra*, edited by Daniel D. Anderson and Ira J. Papick, (11 pages). USA: Dekker and now Taylor & Francis, 2001.
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- 12 Chapter Badawi Ayman, David F. Anderson. "Conditions equivalent to seminormality in certain classes of commutative rings." In *Ideal theoretic methods in commutative algebra*, edited by Daniel D. Anderson and Ira J. Papick, (11 pages). USA: Dekker and now Taylor & Francis, 2001.
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13 Chapter Badawi, Ayman. "On  $\phi$ -pseudo-valuation rings." In *Advances in commutative ring theory*, edited by David E. Dobbs, Marco Fontana and Salah-Eddine Kabbaj, (10 pages). USA: Dekker and now Taylor & Francis, 1999.

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## Journal Publications

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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. ]
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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>.  
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