

Publication List

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Chapter 1

Publication List

1.1 Theses

- [1] M. Bohner. The brain state in a convex body neural model. Master's thesis, San Diego State University, 1992.

- [2] M. Bohner. Ein Oszillationssatz für Sturm–Liouvillesche Eigenwertprobleme. Master's thesis, Universität Ulm, 1993.

- [3] M. Bohner. *Zur Positivität diskreter quadratischer Funktionale*. PhD thesis, Universität Ulm, 1995. English Edition: On positivity of discrete quadratic functionals.

1.2 Books

- [4] M. Bohner and A. Peterson. *Dynamic Equations on Time Scales: An Introduction with Applications*. Birkhäuser, Boston, 2001.
- [5] M. Bohner and A. Peterson. *Advances in Dynamic Equations on Time Scales*. Birkhäuser, Boston, 2003.
- [6] R. Agarwal, M. Bohner, and W.-T. Li. *Nonoscillation and Oscillation Theory for Functional Differential Equations*. Monographs and Textbooks in Pure and Applied Mathematics. Marcel Dekker, Inc., 2004.
- [7] R. P. Agarwal, M. Bohner, S. R. Grace, and D. O'Regan. *Discrete Oscillation Theory*. Hindawi Publishing Corporation, 2005.
- [8] M. Bohner, Z. Došlá, G. Ladas, M. Ünal, and A. Zafer, editors. *Difference Equations and Applications*. Bahçeşehir University Publications, Istanbul, Turkey, 2009. Proceedings of the Fourteenth International Conference on Difference Equations and Applications held in Istanbul, Turkey, July 21–25, 2008.
- [9] J. Barić, R. Bibi, M. Bohner, A. Nosheen, and J. Pečarić. *Jensen inequalities on time scales*, volume 9 of *Monographs in Inequalities*. ELEMENT, Zagreb, 2015. Theory and applications.
- [10] M. Bohner, Y. Ding, and O. Došlý, editors. *Difference Equations, Discrete Dynamical Systems and Applications*, volume 150. Springer, Cham, Switzerland, 2015. Proceedings of the Twentieth International Conference on Difference Equations and Applications held in Wuhan, China, July 21–25, 2014.

1.3 Special Issues

- [11] R. P. Agarwal and M. Bohner, editors. *Continuous and Discrete Hamiltonian Systems, special issue of Dynam. Systems Appl.*, volume 8 (3-4), 1999.
- [12] R. P. Agarwal, M. Bohner, and D. O'Regan, editors. *Dynamic Equations on Time Scales, special issue of J. Comput. Appl. Math.*, volume 141 (1-2), 2002.
- [13] M. Bohner and J. Henderson, editors. *Special issue dedicated to Professor Peterson's 60th birthday, J. Differ. Equations Appl.*, volume 8 (9), 2002. Part I.
- [14] M. Bohner and J. Henderson, editors. *Special issue dedicated to Professor Peterson's 60th birthday, J. Differ. Equations Appl.*, volume 8 (10), 2002. Part II.
- [15] M. Bohner and J. Henderson, editors. *Special issue dedicated to Professor Peterson's 60th birthday, J. Differ. Equations Appl.*, volume 8 (11), 2002. Part III.
- [16] M. Bohner and J. Henderson, editors. *Special issue dedicated to Professor Peterson's 60th birthday, J. Differ. Equations Appl.*, volume 9 (1), 2003. Part IV.
- [17] M. Bohner and B. Kaymakçalan, editors. *Dynamic Equations on Time Scales, special issue of Dynam. Systems Appl.*, volume 12 (1-2), 2003.
- [18] R. P. Agarwal, M. Bohner, and D. O'Regan, editors. *Advances in Difference Equations IV, special issue of Comput. Math. Applic.*, volume 45 (6-9), 2003.
- [19] M. Bohner, J. Hoffacker, and B. Kaymakçalan, editors. *Dynamic Equations on Time Scales, special issue of Dynam. Systems Appl.*, volume 13, 2004.

- [20] M. Bohner, O. Çelebi, and M. Ünal, editors. *Abstract Book of the First International Workshop on Dynamic Equations on Time Scales*, Istanbul, Turkey, 27 June – 1 July 2005.
- [21] M. Bohner and A. Peterson, editors. *Dynamic Equations and Applications, special issue of Adv. Difference Equ.*, volume 2006, 2006.
- [22] M. Bohner and M. Ünal, editors. *Abstract Book of ICDEA2008*, Istanbul, Turkey, 21–25 July 2008.
- [23] M. Bohner and J. Davis, editors. *Dynamic Equations on Time Scales: Qualitative Analysis and Applications, special issue of Nonlinear Dyn. Syst. Theory*, volume 9, 2009.
- [24] M. Bohner, Z. Došlá, and S. Pinelas, editors. *Oscillation of Difference, Differential, and Dynamic Equations, special issue of Adv. Difference Equ.*, volume 2012, 2012.
- [25] M. Benchohra, M. Bohner, M. El-Kady, and J. Liang, editors. *Mathematical Engineering and Control with Applications, special issue of J. Appl. Math.*, volume 2013, 2013.
- [26] M. Bohner, I. Pazanin, and A. Ruffing, editors. *Mathematics on Partial Differential Equations, special issue of Mathematics*, volume 2, 2014.
- [27] M. Bohner, T. Li, Y. Rogovchenko, I. Stavroulakis, and Q. R. Wang, editors. *Qualitative Analysis of Dynamic Equations on Time Scales, special issue of Chinese J. Math.*, 2015.

- [28] M. Bohner, T. Li, T. Candan, Y. Rogovchenko, and Q. R. Wang, editors. *Qualitative Theory of Differential Equations, Difference Equations, and Dynamic Equations on Time Scales, special issue of Sci. World J.*, 2016.

1.4 Surveys

- [29] R. Agarwal, C. Ahlbrandt, M. Bohner, and A. Peterson. Discrete linear Hamiltonian systems: A survey. *Dynam. Systems Appl.*, 8(3-4):307–333, 1999. Special Issue on “Discrete and Continuous Hamiltonian Systems”, edited by R. P. Agarwal and M. Bohner.
- [30] M. Bohner and A. Peterson. A survey of exponential functions on time scales. *Cubo Mat. Educ.*, 3(2):285–301, 2001.
- [31] R. Agarwal, M. Bohner, and A. Peterson. Inequalities on time scales: A survey. *Math. Inequal. Appl.*, 4(4):535–557, 2001.
- [32] R. P. Agarwal, M. Bohner, D. O’Regan, and A. Peterson. Dynamic equations on time scales: A survey. *J. Comput. Appl. Math.*, 141(1-2):1–26, 2002. Special Issue on “Dynamic Equations on Time Scales”, edited by R. P. Agarwal, M. Bohner, and D. O’Regan. Preprint in Ulmer Seminare 5.

1.5 Book Reviews, Dedications

- [33] M. Bohner. Discrete Hamiltonian Systems: Difference Equations, Continued Fractions, and Riccati Equations (by C. Ahlbrandt and A. Peterson). *J. Differ. Equations Appl.*, 5(3):313–316, 1999.

- [34] M. Bohner and J. Henderson. Dedication to Professor Allan Peterson. *J. Difference Equ. Appl.*, 8(9):761–764, 2002.
- [35] M. Bohner. Oscillation Theory for Second Order Dynamic Equations (by R. Agarwal, S. Grace, and D. O’Regan). *SIAM Rev.*, 46(4):748–751, 2004.
- [36] H. Kielhöfer. In memory of Bernd Aulbach (1947–2005). In *Proceedings of the Eighth International Conference on Difference Equations and Applications*, pages v–vii. Chapman & Hall/CRC, Boca Raton, FL, 2005. Translated by Martin Bohner.
- [37] M. Bohner and A. Peterson. Editorial, Special Issue on Dynamic Equations with Applications. *Adv. Difference Equ.*, 2006:1, Art. ID 83968, 2006.
- [38] M. Bohner. Foreword. In *Some Recent Advances in Partial Difference Equations*, page i. Bentham e-Books, 2010. Edited by Eugenia N. Petropoulou.
- [39] M. Bohner. Uncertain Dynamical Systems (by A. A. Martynyuk and Yu. A. Martynyuk-Chernienko). *SIAM Rev.*, 56(1):191–193, 2014.

1.6 Chapters in Books

- [40] R. P. Agarwal, M. Bohner, and P. Řehák. Half-linear dynamic equations: A survey. In *Nonlinear Analysis and Applications*, pages 1–58. Kluwer Academic Publishers, Dordrecht, 2003.
- [41] M. Bohner, G. Guseinov, and A. Peterson. Chapter 1: Introduction to the time scales calculus. In M. Bohner and A. Peterson, editors, *Advances in Dynamic Equations on Time Scales*, pages 1–15. Birkhäuser, Boston, 2003.

- [42] E. Akin-Bohner and M. Bohner. Chapter 2: Some dynamic equations. In M. Bohner and A. Peterson, editors, *Advances in Dynamic Equations on Time Scales*, pages 17–46. Birkhäuser, Boston, 2003.
- [43] M. Bohner and G. Guseinov. Chapter 5: Riemann and Lebesgue integration. In M. Bohner and A. Peterson, editors, *Advances in Dynamic Equations on Time Scales*, pages 117–163. Birkhäuser, Boston, 2003.
- [44] R. P. Agarwal, M. Bohner, and D. O’Regan. Chapter 9: Boundary value problems on infinite intervals: A topological approach. In M. Bohner and A. Peterson, editors, *Advances in Dynamic Equations on Time Scales*, pages 275–291. Birkhäuser, Boston, 2003.

1.7 Refereed Conference Proceedings

- [45] M. Bohner. Controllability and disconjugacy for linear Hamiltonian difference systems. In S. Elaydi, J. Graef, G. Ladas, and A. Peterson, editors, *Conference Proceedings of the First International Conference on Difference Equations*, pages 65–77, San Antonio, 1994. Gordon and Breach.
- [46] M. Bohner. Inhomogeneous discrete variational problems. In S. Elaydi, I. Györi, and G. Ladas, editors, *Conference Proceedings of the Second International Conference on Difference Equations (Veszprém, 1995)*, pages 89–97, Amsterdam, 1997. Gordon and Breach.

- [47] M. Bohner. Positive definiteness of discrete quadratic functionals. In C. Bandle, editor, *General Inequalities, 7 (Oberwolfach, 1995)*, volume 123 of *Internat. Ser. Numer. Math.*, pages 55–60, Basel, 1997. Birkhäuser.
- [48] M. Bohner and O. Došlý. Trigonometric systems in oscillation theory of difference equations. In G. S. Ladde, N. G. Medhin, and M. Sambandham, editors, *Proceedings of Dynamic Systems and Applications (Atlanta, GA, 1999)*, volume 3, pages 99–104, Atlanta, 2001. Dynamic publishers.
- [49] S. Bodine, M. Bohner, and D. A. Lutz. Asymptotic behavior of solutions of dynamic equations. In *Sovremennyye problemy matematiki. Fundamental'nye napravleniya*, pages 30–39. Akad. Nauk SSSR Vsesoyuz. Inst. Nauchn. i Tekhn. Inform., Moscow, 2003. In Russian. Translation in *J. Math. Sci. (New York)* 124 (4): 5110–5118 (2004).
- [50] E. Akin-Bohner and M. Bohner. Exponential functions and Laplace transforms for alpha derivatives. In B. Aulbach, S. Elaydi, and G. Ladas, editors, *Proceedings of the Sixth International Conference on Difference Equations*, pages 231–237, Boca Raton, FL, 2004. CRC.
- [51] M. Bohner, S. Stević, and H. Warth. The Beverton–Holt difference equation. In *Discrete Dynamics and Difference Equations*, pages 189–193, Hackensack, NJ, 2010. World Sci. Publ. Proceedings of the Twelfth International Conference on Difference Equations and Applications, Lisbon, Portugal, 23–27 July 2007.
- [52] M. Bohner and S. Streipert. The Beverton–Holt q -difference equation with periodic growth rate. In *Difference equations, discrete dynamical systems, and applications*, volume 150 of *Springer Proc. Math. Stat.*, pages 3–14, Cham, 2015. Springer.

Proceedings of the Twentieth International Conference on Difference Equations and Applications, Wuhan, China, 21–25 July 2014.

1.8 Journals

- [53] M. Bohner and S. Hui. Brain state in a convex body. *IEEE Trans. Neural Networks*, 6(5):1053–1060, 1995.
- [54] M. Bohner. An oscillation theorem for a Sturm–Liouville eigenvalue problem. *Math. Nachr.*, 182:67–72, 1996.
- [55] M. Bohner. Linear Hamiltonian difference systems: disconjugacy and Jacobi-type conditions. *J. Math. Anal. Appl.*, 199(3):804–826, 1996.
- [56] M. Bohner. On disconjugacy for Sturm–Liouville difference equations. *J. Differ. Equations Appl.*, 2(2):227–237, 1996.
- [57] M. Bohner. Riccati matrix difference equations and linear Hamiltonian difference systems. *Dynam. Contin. Discrete Impuls. Systems*, 2(2):147–159, 1996.
- [58] M. Bohner. Symplectic systems and related discrete quadratic functionals. *Facta Univ. Ser. Math. Inform.*, 12:143–156, 1997.
- [59] M. Bohner and O. Došlý. Disconjugacy and transformations for symplectic systems. *Rocky Mountain J. Math.*, 27(3):707–743, 1997.
- [60] R. P. Agarwal and M. Bohner. Quadratic functionals for second order matrix equations on time scales. *Nonlinear Anal.*, 33(7):675–692, 1998.

- [61] M. Bohner. Asymptotic behavior of discretized Sturm–Liouville eigenvalue problems. *J. Differ. Equations Appl.*, 3:289–295, 1998.
- [62] M. Bohner. Discrete linear Hamiltonian eigenvalue problems. *Comput. Math. Appl.*, 36(10-12):179–192, 1998.
- [63] M. Bohner. Discrete Sturmian theory. *Math. Inequal. Appl.*, 1(3):375–383, 1998. Preprint in Ulmer Seminare 1.
- [64] M. Bohner and O. Došlý. Positivity of block tridiagonal matrices. *SIAM J. Matrix Anal. Appl.*, 20(1):182–195, 1998.
- [65] M. Bohner, O. Došlý, and W. Kratz. Inequalities and asymptotics for Riccati matrix difference operators. *J. Math. Anal. Appl.*, 221(1):262–286, 1998.
- [66] R. P. Agarwal and M. Bohner. Basic calculus on time scales and some of its applications. *Results Math.*, 35(1-2):3–22, 1999.
- [67] R. P. Agarwal, M. Bohner, and P. J. Y. Wong. Eigenvalues and eigenfunctions of discrete conjugate boundary value problems. *Comput. Math. Appl.*, 38(3-4):159–183, 1999.
- [68] R. P. Agarwal, M. Bohner, and P. J. Y. Wong. Positive solutions and eigenvalues of conjugate boundary value problems. *Proc. Edinburgh Math. Soc.*, 42:349–374, 1999.
- [69] R. P. Agarwal, M. Bohner, and P. J. Y. Wong. Sturm–Liouville eigenvalue problems on time scales. *Appl. Math. Comput.*, 99(2-3):153–166, 1999.
- [70] M. Bohner, O. Došlý, and W. Kratz. A Sturmian theorem for recessive solutions of linear Hamiltonian difference systems. *Appl. Math. Lett.*, 12:101–106, 1999.

- [71] M. Bohner, O. Došlý, and W. Kratz. Discrete Reid roundabout theorems. *Dynam. Systems Appl.*, 8(3-4):345–352, 1999. Special Issue on “Discrete and Continuous Hamiltonian Systems”, edited by R. P. Agarwal and M. Bohner.
- [72] C. D. Ahlbrandt, M. Bohner, and J. Ridenhour. Hamiltonian systems on time scales. *J. Math. Anal. Appl.*, 250(2):561–578, 2000.
- [73] M. Bohner and O. Došlý. Trigonometric transformations of symplectic difference systems. *J. Differential Equations*, 163:113–129, 2000.
- [74] M. Bohner and P. W. Eloe. Higher order dynamic equations on measure chains: Wronskians, disconjugacy, and interpolating families of functions. *J. Math. Anal. Appl.*, 246(2):639–656, 2000.
- [75] R. P. Agarwal, M. Bohner, and D. O’Regan. Time scale systems on infinite intervals. *Nonlinear Anal.*, 47:837–848, 2001.
- [76] M. Bohner and J. Castillo. Mimetic methods on measure chains. *Comput. Math. Appl.*, 42(3-5):705–710, 2001. Advances in Difference Equations, III.
- [77] M. Bohner and O. Došlý. The discrete Prüfer transformation. *Proc. Amer. Math. Soc.*, 129(9):2715–2726, 2001.
- [78] M. Bohner, O. Došlý, and R. Hilscher. Linear Hamiltonian dynamic systems on time scales: Sturmian property of the principal solution. *Nonlinear Anal.*, 47:849–860, 2001.
- [79] M. Bohner and B. Kaymakçalan. Opial inequalities on time scales. *Ann. Polon. Math.*, 77(1):11–20, 2001.

- [80] M. Bohner and D. A. Lutz. Asymptotic behavior of dynamic equations on time scales. *J. Differ. Equations Appl.*, 7(1):21–50, 2001. Special issue in memory of W. A. Harris, Jr.
- [81] M. Bohner and A. Peterson. First and second order linear dynamic equations on time scales. *J. Differ. Equations Appl.*, 7(6):767–792, 2001. On the occasion of the 60th birthday of Calvin Ahlbrandt.
- [82] R. P. Agarwal, M. Bohner, and D. O’Regan. Time scale boundary value problems on infinite intervals. *J. Comput. Appl. Math.*, 141(1-2):27–34, 2002. Special Issue on “Dynamic Equations on Time Scales”, edited by R. P. Agarwal, M. Bohner, and D. O’Regan.
- [83] E. Akin, M. Bohner, L. Erbe, and A. Peterson. Existence of bounded solutions for second order dynamic equations. *J. Difference Equ. Appl.*, 8(4):389–401, 2002. In honor of Professor Lynn Erbe.
- [84] M. Bohner, S. Clark, and J. Ridenhour. Lyapunov inequalities for time scales. *J. Inequal. Appl.*, 7(1):61–77, 2002.
- [85] M. Bohner and R. Hering. Perturbations of dynamic equations. *J. Difference Equ. Appl.*, 8(4):295–305, 2002. In honor of Professor Lynn Erbe.
- [86] M. Bohner and A. Peterson. Laplace transform and Z-transform: Unification and extension. *Methods Appl. Anal.*, 9(1):151–157, 2002. Preprint in Ulmer Seminare 6.
- [87] C. D. Ahlbrandt, M. Bohner, and T. Voepel. Variable change for Sturm–Liouville differential expressions on time scales. *J. Differ. Equations Appl.*, 9(1):93–107, 2003.

- [88] E. Akin-Bohner and M. Bohner. Miscellaneous dynamic equations. *Methods Appl. Anal.*, 10(1):11–30, 2003.
- [89] M. Bohner, O. Došlý, R. Hilscher, and W. Kratz. Diagonalization approach to discrete quadratic functionals. *Arch. Inequal. Appl.*, 1(2):261–274, 2003.
- [90] M. Bohner, O. Došlý, and W. Kratz. An oscillation theorem for discrete eigenvalue problems. *Rocky Mountain J. Math.*, 33(4):1233–1260, 2003.
- [91] M. Bohner, O. Došlý, and W. Kratz. Positive semidefiniteness of discrete quadratic functionals. *Proc. Edinburgh Math. Soc.*, 46:627–636, 2003.
- [92] M. Bohner and G. Sh. Guseinov. Improper integrals on time scales. *Dynam. Systems Appl.*, 12(1-2):45–66, 2003.
- [93] M. Bohner. Calculus of variations on time scales. *Dynam. Systems Appl.*, 13:339–349, 2004.
- [94] M. Bohner and O. Došlý. Oscillation of symplectic dynamic systems. *ANZIAM J.*, 46(1):17–32, 2004.
- [95] M. Bohner and G. Sh. Guseinov. Partial differentiation on time scales. *Dynam. Systems Appl.*, 13:351–379, 2004.
- [96] M. Bohner and V. Lakshmikantham. Formulas of Bendixson and Alekseev for difference equations. *Bull. London Math. Soc.*, 36(1):65–71, 2004.
- [97] M. Bohner and S. H. Saker. Oscillation criteria for perturbed nonlinear dynamic equations. *Math. Comput. Modelling*, 40(3-4):249–260, 2004.

- [98] M. Bohner and S. H. Saker. Oscillation of second order nonlinear dynamic equations on time scales. *Rocky Mountain J. Math.*, 34(4):1239–1254, 2004.
- [99] R. P. Agarwal, M. Bohner, A. Domoshnitsky, and Y. Goltser. Floquet theory and stability of nonlinear integro-differential equations. *Acta Math. Hungar.*, 109(4):305–330, 2005.
- [100] R. P. Agarwal, M. Bohner, and S. H. Saker. Oscillation of second order delay dynamic equations. *Can. Appl. Math. Q.*, 13(1):1–17, 2005.
- [101] R. P. Agarwal, M. Bohner, and V. B. Shakhmurov. Maximal regular boundary value problems in Banach-valued weighted space. *Bound. Value Probl.*, 1:9–42, 2005.
- [102] E. Akin-Bohner, M. Bohner, and F. Akin. Pachpatte inequalities on time scales. *JIPAM. J. Inequal. Pure Appl. Math.*, 6(1):1–23, 2005.
- [103] M. Bohner. Some oscillation criteria for first order delay dynamic equations. *Far East J. Appl. Math.*, 18(3):289–304, 2005.
- [104] M. Bohner. The logarithm on time scales. *J. Difference Equ. Appl.*, 11(15):1305–1306, 2005.
- [105] M. Bohner, L. Erbe, and A. Peterson. Oscillation for nonlinear second order dynamic equations on a time scale. *J. Math. Anal. Appl.*, 301:491–507, 2005.
- [106] M. Bohner and G. Sh. Guseinov. Multiple integration on time scales. *Dynam. Systems Appl.*, 14(3-4):579–606, 2005.
- [107] M. Bohner and R. Hilscher. An eigenvalue problem for linear Hamiltonian systems on time scales. *Fasc. Math.*, pages 35–49, 2005.

- [108] M. Bohner and C. C. Tisdell. Second order dynamic inclusions. *J. Nonlinear Math. Phys.*, 12(2):36–45, 2005.
- [109] M. Bohner and M. Ünal. Kneser’s theorem in q -calculus. *J. Phys. A: Math. Gen.*, 38(30):6729–6739, 2005.
- [110] M. Adivar and M. Bohner. Spectral analysis of q -difference equations with spectral singularities. *Math. Comput. Modelling*, 43(7-9):695–703, 2006.
- [111] M. Adivar and M. Bohner. Spectrum and principal vectors of second order q -difference equations. *Indian J. Math.*, 48(1):17–33, 2006.
- [112] R. P. Agarwal, M. Bohner, and V. B. Shakhmurov. Linear and nonlinear non-local boundary value problems for differential-operator equations. *Appl. Anal.*, 85(6-7):701–716, 2006.
- [113] M. Bohner, M. Fan, and J. Zhang. Existence of periodic solutions in predator-prey and competition dynamic systems. *Nonlinear Anal. Real World Appl.*, 7(5):1193–1204, 2006.
- [114] M. Bohner and G. Sh. Guseinov. An introduction to complex functions on products of two time scales. *J. Difference Equ. Appl.*, 12(3-4):369–384, 2006.
- [115] M. Bohner and G. Sh. Guseinov. Multiple Lebesgue integration on time scales. *Adv. Difference Equ.*, 2006:12, Art. ID 26391, 2006.
- [116] M. Bohner and H. Luo. Singular second-order multipoint dynamic boundary value problems with mixed derivatives. *Adv. Difference Equ.*, 2006:15, Art. ID 54989, 2006.

- [117] M. Bohner and D. A. Lutz. Asymptotic expansion and analytic dynamic equations. *ZAMM Z. Angew. Math. Mech.*, 86(1):37–45, 2006.
- [118] M. Bohner and S. H. Saker. Oscillation of damped second order nonlinear delay differential equations of Emden–Fowler type. *Adv. Dyn. Syst. Appl.*, 1(2):163–182, 2006.
- [119] M. Bohner and S. H. Saker. Oscillation of second order half-linear dynamic equations on discrete time scales. *Int. J. Difference Equ.*, 1(2):205–218, 2006.
- [120] M. Bohner and H. Warth. A Philos criterion for second-order dynamic equations. *Selçuk J. Appl. Math.*, 7(1):25–31, 2006.
- [121] R. P. Agarwal, M. Bohner, W. S. Cheung, and S. R. Grace. Oscillation criteria for first and second order forced difference equations with mixed nonlinearities. *Math. Comput. Modelling*, 45(7-8):965–973, 2007.
- [122] R. P. Agarwal, M. Bohner, and S. R. Grace. Oscillation criteria for first-order forced nonlinear dynamic equations. *Can. Appl. Math. Q.*, 15(3):223–233, 2007.
- [123] E. Akin-Bohner, M. Bohner, and S. H. Saker. Oscillation criteria for a certain class of second order Emden–Fowler dynamic equations. *Electron. Trans. Numer. Anal.*, 27:1–12, 2007.
- [124] T. Benouaz and M. Bohner. On the relationship between the classical linearization and optimal derivative. *Adv. Dyn. Syst. Appl.*, 2(1):41–57, 2007.
- [125] M. Bohner, M. Fan, and J. Zhang. Periodicity of scalar dynamic equations on time scales and applications to population models. *J. Math. Anal. Appl.*, 330(1):1–9, 2007.

- [126] M. Bohner, M. Guan, and L. Zheng. On similarity solutions for a class of nonlinear diffusion equations with convection. *Adv. Dyn. Syst. Appl.*, 2(2):167–176, 2007.
- [127] M. Bohner and G. Sh. Guseinov. Double integral calculus of variations on time scales. *Comput. Math. Appl.*, 54(1):45–57, 2007.
- [128] M. Bohner and G. Sh. Guseinov. Line integrals and Green’s formula on time scales. *J. Math. Anal. Appl.*, 326:1124–1141, 2007.
- [129] M. Bohner and G. Sh. Guseinov. The convolution on time scales. *Abstr. Appl. Anal.*, 2007:24, Art. ID 54989, 2007.
- [130] M. Bohner and T. Hudson. Euler-type boundary value problems in quantum calculus. *Int. J. Appl. Math. Stat.*, 9(J07):19–23, 2007.
- [131] M. Bohner and A. A. Martynyuk. Elements of stability theory of A. M. Liapunov for dynamic equations on time scales. *Prikl. Mekh.*, 43(9):3–27, 2007. In Russian.
- [132] M. Bohner and A. A. Martynyuk. Stability theory of A. M. Liapunov for dynamic equations on time scales. *Nonlinear Dyn. Syst. Theory*, 7(3):225–251, 2007.
- [133] M. Bohner and T. Matthews. The Grüss inequality on time scales. *Commun. Math. Anal.*, 3(1):1–8, 2007.
- [134] M. Bohner and S. Stević. Asymptotic behavior of second-order dynamic equations. *Appl. Math. Comput.*, 188:1503–1512, 2007.
- [135] M. Bohner and S. Stević. Trench’s perturbation theorem for dynamic equations. *Discrete Dyn. Nat. Soc.*, 2007:11, Art. ID 75672, 2007.

- [136] M. Bohner and C. C. Tisdell. Oscillation and nonoscillation of forced second order dynamic equations. *Pacific J. Math.*, 230(1):59–71, 2007.
- [137] M. Bohner and H. Warth. The Beverton–Holt dynamic equation. *Applicable Anal.*, 86(8):1007–1015, 2007.
- [138] R. P. Agarwal and M. Bohner. Oscillation and boundedness of solutions to first and second order forced dynamic equations with mixed nonlinearities. *Aust. J. Math. Anal. Appl.*, 5(1):1–12, 2008. Article 2.
- [139] E. Akin-Bohner, M. Bohner, S. Djebali, and T. Moussaoui. On the asymptotic integration of nonlinear dynamic equations. *Adv. Difference Equ.*, 2008:17, Art. ID 739602, 2008.
- [140] L. Bi, M. Bohner, and M. Fan. Periodic solutions of functional dynamic equations with infinite delay. *Nonlinear Anal.*, 68(5):1226–1245, 2008.
- [141] M. Bohner, B. Karpuz, and Ö. Öcalan. Iterated oscillation criteria for delay dynamic equations of first order. *Adv. Difference Equ.*, 2008:12, Art. ID 458687, 2008.
- [142] M. Bohner and T. Matthews. Ostrowski inequalities on time scales. *JIPAM. J. Inequal. Pure Appl. Math.*, 9(1):8, 2008. Article 6.
- [143] R. Agarwal and M. Bohner. An oscillation criterion for first order delay dynamic equations. *Funct. Differ. Equ.*, 16(1):11–17, 2009.
- [144] R. P. Agarwal, M. Bohner, and S. R. Grace. On the oscillation of second-order half-linear dynamic equations. *J. Difference Equ. Appl.*, 15(5):451–460, 2009.

- [145] R. P. Agarwal, M. Bohner, S. R. Grace, and D. O'Regan. Oscillation of second-order strongly superlinear and strongly sublinear dynamic equations. *Commun. Nonlinear Sci. Numer. Simul.*, 14(8):3463–3471, 2009.
- [146] T. Benouaz, M. Bohner, and A. Chikhaoui. On the relationship between the optimal derivative and asymptotic stability. *Afr. Diaspora J. Math. (N.S.)*, 8(2):148–162, 2009.
- [147] M. Bohner, O. Došlý, and W. Kratz. Sturmian and spectral theory for discrete symplectic systems. *Trans. Amer. Math. Soc.*, 361(6):3109–3123, 2009. Preprint in Ulmer Seminare 12, pages 133–144.
- [148] M. Bohner and T. S. Hassan. Oscillation and boundedness of solutions to first and second order forced functional dynamic equations with mixed nonlinearities. *Appl. Anal. Discrete Math.*, 3:242–252, 2009.
- [149] M. Bohner and S. Stević. Linear perturbations of a nonoscillatory second-order dynamic equation. *J. Difference Equ. Appl.*, 15(11-12):1211–1221, 2009.
- [150] M. Bohner and Y. Zheng. On analytical solutions of the Black–Scholes equation. *Appl. Math. Lett.*, 22:309–313, 2009.
- [151] M. Bekker, M. Bohner, A. Herega, and H. Voulov. Spectral analysis of a q -difference operator. *J. Phys. A*, 43(14):15 pp, 2010.
- [152] M. Bohner and O. Duman. Opial-type inequalities for diamond-alpha derivatives and integrals on time scales. *Differ. Equ. Dyn. Syst.*, 18(1-2):229–237, 2010.

- [153] M. Bohner, R. A. Ferreira, and D. F. M. Torres. Integral inequalities and their applications to the calculus of variations on time scales. *Math. Inequal. Appl.*, 13(3):511–522, 2010.
- [154] M. Bohner, G. Gelles, and J. Heim. Multiplier-accelerator models on time scales. *Int. J. Stat. Econ.*, 4(S10):1–12, 2010.
- [155] M. Bohner and G. Sh. Guseinov. Surface areas and surface integrals on time scales. *Dynam. Systems Appl.*, 19(3-4):435–453, 2010.
- [156] M. Bohner and G. Sh. Guseinov. The h -Laplace and q -Laplace transforms. *J. Math. Anal. Appl.*, 365(1):75–92, 2010.
- [157] M. Bohner and G. Sh. Guseinov. The Laplace transform on isolated time scales. *Comput. Math. Appl.*, 60(6):1536–1547, 2010.
- [158] M. Bohner and A. Liu. Gronwall–OuJang-type integral inequalities on time scales. *J. Inequal. Appl.*, 2010:15, Art. ID 275826, 2010.
- [159] M. Bohner and S. Sanyal. The stochastic dynamic exponential and geometric Brownian motion on isolated time scales. *Commun. Math. Anal.*, 8(3):120–135, 2010.
- [160] M. Bohner and S. Sun. Weyl–Titchmarsh theory for symplectic difference systems. *Appl. Math. Comput.*, 216:2855–2864, 2010.
- [161] M. Bohner and N. Wintz. The linear quadratic regulator on time scales. *Int. J. Difference Equ.*, 5(2):149–174, 2010.
- [162] S. Grace, M. Bohner, and A. Liu. On Kneser solutions of third-order delay dynamic equations. *Carpathian J. Math.*, 26(2):184–192, 2010.

- [163] S. Grace, M. Bohner, and S. Sun. Oscillation of fourth-order dynamic equations. *Hacet. J. Math. Stat.*, 39(4):545–553, 2010.
- [164] X. Li and M. Bohner. Exponential synchronization of chaotic neural networks with mixed delays and impulsive effects via output coupling with delay feedback. *Math. Comput. Modelling*, 52(5-6):643–653, 2010.
- [165] S. Sun, M. Bohner, and S. Chen. Weyl–Titchmarsh theory for Hamiltonian dynamic systems. *Abstr. Appl. Anal.*, 2010:18, Art. ID 514760, 2010.
- [166] R. P. Agarwal, M. Bohner, S. Grace, and S. Pinelas. Oscillation of some fourth-order difference equations. *Int. J. Difference Equ.*, 6(2):105–112, 2011.
- [167] R. P. Agarwal, M. Bohner, S. R. Grace, and D. O’Regan. Philos type criteria for second-order half-linear dynamic equations. *Math. Inequal. Appl.*, 14(1):211–222, 2011.
- [168] R. P. Agarwal, M. Bohner, D. O’Regan, and S. H. Saker. Some dynamic Wirtinger-type inequalities and their applications. *Pacific J. Math.*, 252(1):1–18, 2011.
- [169] M. Anwar, R. Bibi, M. Bohner, and J. Pečarić. Integral inequalities on time scales via the theory of isotonic linear functionals. *Abstr. Appl. Anal.*, 2011:16, Art. ID 483595, 2011.
- [170] M. Bekker, M. Bohner, and H. Voulov. A q -difference operator with discrete and simple spectrum. *Methods Funct. Anal. Topology*, 17(4):281–294, 2011.

- [171] T. Benouaz, S. M. A. Bekkouche, and M. Bohner. Detection of the existence of bifurcation surfaces using the optimal derivative. *Int. J. Math. Comput.*, 11(J11):50–60, 2011.
- [172] T. Benouaz, S. M. A. Bekkouche, M. Bohner, and F. Lassouani. Application of the optimal derivative to the study of a ratio-dependent model describing the evolution of HIV in Canada. *Adv. Dyn. Syst. Appl.*, 6(1):3–12, 2011.
- [173] M. Bohner and R. A. Ferreira. Some discrete fractional inequalities of Chebyshev type. *Afr. Diaspora J. Math. (N.S.)*, 11(2):132–137, 2011.
- [174] M. Bohner, G. Sh. Guseinov, and B. Karpuz. Properties of the Laplace transform on time scales with arbitrary graininess. *Integral Transforms Spec. Funct.*, 22(11):785–800, 2011.
- [175] M. Bohner, T. Matthews, and A. Tuna. Diamond-alpha Grüss type inequalities on time scales. *Int. J. Dyn. Syst. Differ. Equ.*, 3(1/2):234–247, 2011.
- [176] M. Bohner, T. Matthews, and A. Tuna. Weighted Ostrowski–Grüss inequalities on time scales. *Afr. Diaspora J. Math. (N.S.)*, 12(1):89–99, 2011.
- [177] M. Bohner, S. Sanyal, and V. Rao. Global stability of complex-valued neural networks on time scales. *Differ. Equ. Dyn. Syst.*, 19(1-2):3–11, 2011.
- [178] M. Bohner and N. Wintz. The linear quadratic tracker on time scales. *Int. J. Dyn. Syst. Differ. Equ.*, 3(4):423–447, 2011.
- [179] R. P. Agarwal, M. Bohner, and T. Li. Some oscillation results for second-order neutral differential equations. *J. Indian Math. Soc. (N.S.)*, 79(1-4):97–106, 2012.

- [180] R. P. Agarwal, M. Bohner, and T. Li. Some oscillation results for second-order neutral dynamic equations. *Hacet. J. Math. Stat.*, 41(5):715–721, 2012.
- [181] R. P. Agarwal, M. Bohner, T. Li, and S. Tang. Oscillation of odd-order half-linear advanced differential equations. *Commun. Appl. Anal.*, 16(3):349–358, 2012.
- [182] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. New oscillation results for second-order neutral delay dynamic equations. *Adv. Difference Equ.*, 2012(227):1–14, 2012.
- [183] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation results for fourth-order nonlinear dynamic equations. *Appl. Math. Lett.*, 25(12):2058–2065, 2012.
- [184] R. P. Agarwal, M. Bohner, S. Tang, T. Li, and C. Zhang. Oscillation and asymptotic behavior of third-order nonlinear retarded dynamic equations. *Appl. Math. Comput.*, 219(8):3600–3609, 2012.
- [185] D. Aharonov, M. Bohner, and U. Elias. Discrete Sturm comparison theorems on finite and infinite intervals. *J. Difference Equ. Appl.*, 18(10):1763–1771, 2012.
- [186] E. Akin-Bohner, M. Bohner, and T. Matthews. Time scales Ostrowski Grüss type inequalities involving three functions. *Nonlinear Dyn. Syst. Theory*, 12(2):119–135, 2012.
- [187] M. Anwar, R. Bibi, M. Bohner, and J. Pečarić. Jensen’s functionals on time scales. *J. Funct. Spaces Appl.*, 2012:17, Art. ID 384045, 2012.
- [188] M. Bohner and R. Chieochan. Floquet theory for q -difference equations. *Sarajevo J. Math.*, 8(21)(2):1–12, 2012.

- [189] M. Bohner and G. M. Gelles. Risk aversion and risk vulnerability in the continuous and discrete case. A unified treatment with extensions. *Decis. Econ. Finance*, 35:1–28, 2012.
- [190] M. Bohner, S. Hristova, and K. Stefanova. Nonlinear integral inequalities involving maxima of the unknown scalar functions. *Math. Inequal. Appl.*, 15(4):811–825, 2012.
- [191] M. Bohner, W. Kratz, and R. Šimon Hilscher. Oscillation and spectral theory for linear Hamiltonian systems with nonlinear dependence on the spectral parameter. *Math. Nachr.*, 285:1343–1356, 2012.
- [192] M. Bohner and N. Wintz. Controllability and observability of linear systems on time scales. *Math. Bohem.*, 137(2):149–163, 2012.
- [193] X. Li and M. Bohner. An impulsive delay differential inequality and applications. *Comput. Math. Appl.*, 64(6):1875–1881, 2012.
- [194] R. P. Agarwal, M. Bohner, J. M. Ferreira, and S. Pinelas. Delay difference equations: Coexistence of oscillatory and nonoscillatory solutions. *Analysis (Munich)*, 33(4):333–348, 2013.
- [195] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. A new approach in the study of oscillatory behavior of even-order neutral delay differential equations. *Appl. Math. Comput.*, 225:787–794, 2013.
- [196] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Hille and Nehari type criteria for third-order delay dynamic equations. *J. Difference Equ. Appl.*, 19(10):1563–1579, 2013.

- [197] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. New results for oscillatory behavior of even-order half-linear delay differential equations. *Appl. Math. Lett.*, 26(2):179–183, 2013.
- [198] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation of second-order nonlinear neutral dynamic equations. *Dynam. Systems Appl.*, 22:535–542, 2013.
- [199] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation of third-order nonlinear delay differential equations. *Taiwanese J. Math.*, 17(2):545–558, 2013.
- [200] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation theorems for fourth-order half-linear delay dynamic equations with damping. *Mediterr. J. Math.*, pages 1–13, 2013.
- [201] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Properties of higher-order half-linear functional differential equations with non-canonical operators. *Adv. Difference Equ.*, 2013:1–10, Article 54, 2013.
- [202] J. Barić, R. Bibi, M. Bohner, and J. Pečarić. Time scales integral inequalities for superquadratic functions. *J. Korean Math. Soc.*, 50(3):465–477, 2013.
- [203] R. Bibi, M. Bohner, J. Pečarić, and S. Varošaneć. Minkowski and Beckenbach–Dresher inequalities and functionals on time scales. *J. Math. Inequal.*, 7(3):299–312, 2013.
- [204] M. Bohner and R. Chiochan. Positive periodic solutions for higher-order functional q -difference equations. *J. Appl. Funct. Anal.*, 8(1):14–22, 2013.
- [205] M. Bohner and R. Chiochan. The Beverton–Holt q -difference equation. *J. Biol. Dyn.*, 7(1):86–95, 2013.

- [206] M. Bohner, M. Federson, and J. G. Mesquita. Continuous dependence for impulsive functional dynamic equations involving variable time scales. *Appl. Math. Comput.*, 221:383–393, 2013.
- [207] M. Bohner, A. Georgieva, and S. Hristova. Nonlinear differential equations with “maxima”: Parametric stability in terms of two measures. *Appl. Math. Inf. Sci.*, 7(1):41–48, 2013.
- [208] M. Bohner, G. Sh. Guseinov, and B. Karpuz. Further properties of the Laplace transform on time scales with arbitrary graininess. *Integral Transforms Spec. Funct.*, 24(3):289–301, 2013.
- [209] M. Bohner, J. Heim, and A. Liu. Solow models on time scales. *Cubo*, 15(1):13–32, 2013.
- [210] M. Bohner and B. Karpuz. The gamma function on time scales. *Dyn. Contin. Discrete Impuls. Syst. Ser. A Math. Anal.*, 20(4):507–522, 2013.
- [211] M. Bohner, O. Stanzhytskyi, and A. Bratochkina. Stochastic dynamic equations on general time scales. *Electron. J. Differential Equations*, 2013(57):1–15, 2013.
- [212] M. Bohner and N. Wintz. The Kalman filter for linear systems on time scales. *J. Math. Anal. Appl.*, 406(2):419–436, 2013.
- [213] M. Bohner and A. Zafer. Lyapunov type inequalities for planar linear Hamiltonian systems on time scales. *Appl. Anal. Discrete Math.*, 7(1):129–142, 2013.
- [214] S. Grace, M. Bohner, and A. Liu. Oscillation criteria for fourth-order functional differential equations. *Math. Slovaca*, 63(6):1303–1320, 2013.

- [215] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. A Philos-type theorem for third-order nonlinear retarded dynamic equations. *Appl. Math. Comput.*, 249:527–531, 2014.
- [216] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Comparison theorems for oscillation of second-order neutral dynamic equations. *Mediterr. J. Math.*, 11(4):1115–1127, 2014.
- [217] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation criteria for second-order dynamic equations on time scales. *Appl. Math. Lett.*, 31:34–40, 2014.
- [218] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation of second-order differential equations with a sublinear neutral term. *Carpathian J. Math.*, 30(1):1–6, 2014.
- [219] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation of second-order Emden–Fowler neutral delay differential equations. *Ann. Mat. Pura Appl. (4)*, 193(6):1861–1875, 2014.
- [220] M. Anwar, R. Bibi, M. Bohner, and J. Pečarić. Jensen functionals on time scales for several variables. *Int. J. Anal.*, 2014:14, Art. ID 126797, 2014.
- [221] M. Bekker, M. Bohner, and H. Voulov. Asymptotic behavior of solutions of a rational system of difference equations. *J. Nonlinear Sci. Appl.*, 7(6):379–382, 2014.
- [222] M. Bekker, M. Bohner, and H. Voulov. Extreme self-adjoint extensions of a semibounded q -difference operator. *Math. Nachr.*, 287(8):869–884, 2014.

- [223] M. Bohner, G. E. Chatzarakis, and I. P. Stavroulakis. Qualitative behavior of solutions of difference equations with several oscillating coefficients. *Arab. J. Math.*, 3(1):1–13, 2014.
- [224] M. Bohner and M. Göggel. Closed-form solutions to discrete-time portfolio optimization problems. *J. Appl. Funct. Anal.*, 9(1-2):176–196, 2014.
- [225] M. Bohner, S. R. Grace, and N. Sultana. Asymptotic behavior of nonoscillatory solutions of higher-order integro-dynamic equations. *Opuscula Math.*, 34(1):5–14, 2014.
- [226] M. Bohner and T. Li. Oscillation of second-order p -Laplace dynamic equations with a nonpositive neutral coefficient. *Appl. Math. Lett.*, 37:72–76, 2014.
- [227] M. Bohner, F. H. Marín Sánchez, and S. Rodríguez. European call option pricing using the Adomian decomposition method. *Adv. Dyn. Syst. Appl.*, 9(1):75–85, 2014.
- [228] M. Bohner, A. Nosheen, J. Pečarić, and A. Younus. Some dynamic Hardy-type inequalities with general kernel. *J. Math. Inequal.*, 8(1):185–199, 2014.
- [229] M. Bohner and I. Stamova. Asymptotic stability criteria for a class of impulsive functional differential systems. *Appl. Math. Inf. Sci.*, 8(4):1475–1483, 2014.
- [230] M. Bohner, O. Stanzhytskyi, and O. Karpenko. Oscillation of solutions of second-linear differential equations and corresponding difference equations. *J. Difference Equ. Appl.*, 20(7):1112–1126, 2014.

- [231] R. P. Agarwal, M. Bohner, A. Bořchuk, and O. Strakh. Fredholm boundary value problems for perturbed systems of dynamic equations on time scales. *Math. Methods Appl. Sci.*, 38(17):4178–4186, 2015.
- [232] R. P. Agarwal, M. Bohner, and T. Li. Oscillatory behavior of second-order half-linear damped dynamic equations. *Appl. Math. Comput.*, 254:408–418, 2015.
- [233] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Even-order half-linear advanced differential equations: Improved criteria in oscillatory and asymptotic properties. *Appl. Math. Comput.*, 266:481–490, 2015.
- [234] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation of fourth-order delay dynamic equations. *Sci. China Math.*, 58(1):143–160, 2015.
- [235] R. P. Agarwal, M. Bohner, T. Li, and C. Zhang. Oscillation of second-order nonlinear neutral delay dynamic equations with noncanonical operators. *Bull. Malays. Math. Sci. Soc. (2)*, 38(2):761–778, 2015.
- [236] R. P. Agarwal, M. Bohner, and S. H. Saker. Dynamic Littlewood-type inequalities. *Proc. Amer. Math. Soc.*, 143(2):667–677, 2015.
- [237] Y. Aygar and M. Bohner. On the spectrum of eigenparameter-dependent quantum difference equations. *Appl. Math. Inf. Sci.*, 9(4):1–5, 2015.
- [238] J. Barić, M. Bohner, R. Jakšić, and J. Pečarić. Converses of Jensen’s inequality on time scales. *Math. Notes*, 98(1):11–24, 2015.
- [239] M. Bekker, M. Bohner, M. Nudel’man, and H. Voulov. Scale-invariant self-adjoint extensions of scale-invariant symmetric operators: Continuous versus discrete. *Methods Funct. Anal. Topology*, 21(1):41–55, 2015.

- [240] M. Bekker, M. Bohner, and H. Voulov. Global attractor of solutions of a rational system in the plane. *Discrete Dyn. Nat. Soc.*, 2015:6, Art. ID 195247, 2015.
- [241] T. Benouaz, S. M. A. Bekkouche, M. Bohner, and I. Saĝer. Existence, uniqueness, and convergence of the optimal derivative for a class of nonlinear functions. *Adv. Dyn. Syst. Appl.*, 10(2):139–153, 2015.
- [242] R. Bibi, M. Bohner, and J. Pečarić. Cauchy-type means and exponential and logarithmic convexity for superquadratic functions on time scales. *Ann. Funct. Anal.*, 6(1), 2015.
- [243] M. Bohner, G. E. Chatzarakis, and I. P. Stavroulakis. Oscillation criteria for difference equations with several oscillating coefficients. *Bull. Korean Math. Soc.*, 52(1):159–172, 2015.
- [244] M. Bohner, J. Heim, and A. Liu. Qualitative analysis of a Solow model on time scales. *J. Concr. Appl. Math.*, 13(3-4):183–197, 2015.
- [245] M. Bohner and T. Li. Kamenev-type criteria for nonlinear damped dynamic equations. *Sci. China Math.*, 58(7):1445–1452, 2015.
- [246] M. Bohner, R. R. Mahmoud, and S. H. Saker. Discrete, continuous, delta, nabla, and diamond-alpha Opial inequalities. *Math. Inequal. Appl.*, 18(3):923–940, 2015.
- [247] M. Bohner, R. R. Mahmoud, and S. H. Saker. Improvements of dynamic Opial-type inequalities and applications. *Dynam. Systems Appl.*, 24(1-2):229–241, 2015.
- [248] M. Bohner and S. Streipert. Abel dynamic equations of the first and second kind. *Georgian Math. J.*, 22(3):341–348, 2015.

- [249] M. Bohner and S. Streipert. The Beverton–Holt equation with periodic growth rate. *Int. J. Math. Comput.*, 26(4):1–10, 2015.
- [250] M. Bohner and N. Sultana. Subexponential solutions of linear Volterra difference equations. *Nonauton. Dyn. Syst.*, 2(Art. 5):63–76, 2015.
- [251] X. Li, M. Bohner, and C. K. Wang. Impulsive differential equations: Periodic solutions and applications. *Automatica J. IFAC*, 52:173–178, 2015.
- [252] R. Agarwal, M. Bohner, D. O’Regan, M. M. Osman, and S. H. Saker. A general dynamic inequality of Opial type. *Appl. Math. Inf. Sci.*, 2016. In press.
- [253] R. Agarwal, M. Bohner, D. O’Regan, and S. H. Saker. Shum inequalities on time scales. 2016. Submitted.
- [254] Y. Aygar and M. Bohner. A polynomial-type Jost solution and spectral properties of a self-adjoint quantum difference operator. *Complex Anal. Oper. Theory*, 2016. To appear.
- [255] Y. Aygar and M. Bohner. Spectral analysis of a matrix-valued quantum-difference operator. *Dynam. Systems Appl.*, 25, 2016. To appear.
- [256] M. Bohner, S. Heidarkhani, A. Salari, and G. Caristi. Existence of three solutions for impulsive multi-point boundary value problems. 2016. Submitted.
- [257] M. Bohner and J. Heim. Cobweb models on time scales. 2016. Submitted.
- [258] M. Bohner and H. Koyunbakan. Discrete inverse Sturm–Liouville problems. *Filomat*, 2016. In press.

- [259] M. Bohner and J. G. Mesquita. Periodic averaging principle in quantum calculus. *Appl. Math. Comput.*, 435(2):1146–1159, 2016.
- [260] M. Bohner and S. H. Saker. Sneak-out principle on time scales. *J. Math. Inequal.*, 10(2):393–403, 2016.
- [261] M. Bohner and S. Streipert. Optimal harvesting policy for the Beverton–Holt model. *Math. Biosci. Eng.*, 2016. To appear.
- [262] M. Bohner and S. Streipert. The second Cushing–Henson conjecture for the Beverton–Holt q -difference equation. 2016. Submitted.
- [263] M. Bohner and N. Sultana. Bounded solutions of a discrete Volterra equation. 2016. Submitted.
- [264] S. Grace, M. Bohner, I. Sağer, and E. Tunç. Oscillation of third-order nonlinear damped delay differential equations. *Appl. Math. Comput.*, 278:21–32, 2016.