

Recent Publications:

Nonoscillation results for nonlinear systems with nondecreasing energy, with J. Karsai and B. Yang, Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis 9 (2002), 151–163.

Positive solutions of a class of neutral difference equations, with C. Qian and B. Yang, Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis 9 (2002), 237–255.

Oscillation of impulsive neutral delay differential equations, with J. H. Shen and I. P. Stavroulakis, Journal of Mathematical Analysis and Applications 268 (2002), 310–333.

Boundary value problems for second order nonlinear ordinary differential equations, with B. Yang, Communications in Applied Analysis 6 (2002), 273–288.

On the oscillation of impulsive neutral delay equations, with J. H. Shen and I. P. Stavroulakis, Proceedings of Neural, Parallel and Scientific Computations, Volume 2, Dynamic Publishers, (2002), 269–272.

Nonresonance impulsive higher order functional nonconvex-valued differential inclusions, with M. Benchohra, J. Henderson, and S. K. Ntouyas, Electronic Journal of Qualitative Theory of Differential Equations 2002 No. 13, 1–13.

A general comparison result for higher order nonlinear difference equations with deviating arguments, with A. Miciano–Cariño and C. Qian, Journal of Difference Equations and Applications 8 (2002), 1033–1052.

On the limit-point/limit-circle problem for second order nonlinear equations, with M. Bartušek, Nonlinear Studies 9 (2002), 361–369.

Oscillation and the existence of nonoscillatory solutions of second order neutral delay differential equations, with R. Savithri and E. Thandapani, PanAmerican Mathematical Journal 12 (2002), 1–16.

Global attractivity of the equilibrium of a nonlinear difference equation, with C. Qian, Czechoslovak Mathematical Journal 52 (127) (2002), 757–769.

Multiple symmetric positive solutions of a class of boundary value problems for higher order ordinary differential equations, with C. Qian and B. Yang, Proceedings of the American Mathematical Society 131 (2003), 577–585.

Oscillatory and asymptotic behavior of second order neutral type difference equations, with K. Mahalingam and E. Thandapani, International Journal of Pure and Applied Mathematics 6 (2003), 217–230.

Positive solutions of a higher order neutral differential equation, with C. Qian and B. Yang, Mathematische Nachrichten 256 (2003), 17–28.

Double solutions of boundary value problems for $2m$ th order differential equations and difference equations, with J. Henderson, an invited paper for the special issue: “Advances in Difference Equations IV,” Computers and Mathematics with Applications 45 (2003), 873–885.

Asymptotic behavior of nonoscillatory solutions of neutral difference equations, with S. L. Marian and E. Thandapani, an invited paper for the special issue: “Advances in Difference Equations IV,” Computers and Mathematics with Applications 45 (2003), 1461–1468.

Forced oscillation of second order linear and half-linear difference equations, with O. Došlý and J. Jaroš, Proceedings of the American Mathematical Society 131, (2003), 2859–2867.

Oscillatory properties of third order neutral delay differential equations, with R. Savithri and E. Thandapani, Dynamical Systems and Differential Equations, Proceedings of the Fourth International Conference on Dynamical Systems and Differential Equations, 2003, 342–350.

Positive solutions to boundary value problems for ordinary differential equations, with C. Qian and B. Yang, Proceedings of the Colloquium on Differential and Difference Equations, CDDE 2002, Folia FSN Universitatis Masarykianae Brunensis, Mathematica 13, (2003), 129–144.

Nonlinear damping in oscillator equations, with J. Karsai and C. Qian, Proceedings of the Colloquium on Differential and Difference Equations, CDDE 2002, Folia FSN Universitatis Masarykianae Brunensis, Mathematica 13, (2003), 145–154.

A three point boundary value problem for nonlinear fourth order differential equations, with C. Qian and B. Yang, Journal of Mathematical Analysis and Applications 287 (2003), 217–233.

Formulas for Liapunov functions for systems of linear difference equations, with C. Qian and B. Zhang, Proceedings of the London Mathematical Society 88 (2004), 185–203.

Some limit-point and limit-circle results for second order Emden-Fowler equations, with M. Bartušek, Applicable Analysis 83 (2004), 461–476.

Nonresonance impulsive functional differential inclusions with variable times, with M. Benchohra and A. Ouahabi, Computers and Mathematics with Applications 47 (2004), 1725–1737.

Multiple positive solutions of a boundary value problem for ordinary differential equations, with C. Qian and B. Yang, Electronic Journal of Qualitative Theory of Differential Equations, Proceedings of the Seventh Colloquium on the Qualitative Theory of Differential Equations, No. 11 (2004), pp. 1–13.

Oscillation of first order neutral delay differential equations, with R. Savithri and E. Thandapani, Electronic Journal of Qualitative Theory of Differential Equations, Proceedings of the Seventh Colloquium on the Qualitative Theory of Differential Equations, No. 12 (2004), pp. 1–11.

Positive solutions of a three point boundary value problem for nonlinear differential equations, with C. Qian and B. Yang, Proceedings of Dynamic Systems and Applications, Volume 4, (2004), 431–438.

Nonlinear functional differential equations with Properties A and B, with R. Ko-

platadze and G. Kvinikadze, *Journal of Mathematical Analysis and Applications* 306 (2005), 136–160.

Oscillatory and nonoscillatory solutions of multivalued differential inclusions, with M. Benchohra and A. Ouahab, *Computers and Mathematics with Applications* 49 (2005), 1347–1354.

Nonresonance impulsive functional dynamic equations on times scales, with A. Ouahab, *International Journal of Applied Mathematical Sciences* 2 (2005), 65–79.

Classifying nonoscillatory solutions and oscillation of a neutral difference equation, with S. Elizabeth, P. Sundaram, and E. Thandapani, *Journal of Difference Equations and Applications* 11 (2005), 605–618.

Behavior of solutions of second order differential equations with sublinear damping, with J. Karsai, *Nelineini Kolyvannya* 8 (2005), 186–200. (Nonlinear Oscillations 8 (2005), 184–197.)

On boundary value problems for second order perturbed differential inclusions, with B. C. Dhage, *Applicable Analysis* 84 (2005), 953–970.

Upper and lower solutions method for impulsive differential inclusions with nonlinear boundary conditions and variable times, with M. Benchohra, S. K. Ntouyas, and A. Ouahab, *Dynamics of Continuous, Discrete and Impulsive Systems* 12 (2005), 383–396.

Multiple positive solutions to a three point third order boundary value problem, with B. Yang, *Dynamical Systems and Differential Equations, Proceedings of the Fifth International Conference on Dynamical Systems and Differential Equations, Discrete and Continuous Dynamical Systems*, 2005, 337–344.

Attractivity properties of oscillator equations with superlinear damping, with J. Karsai, *Dynamical Systems and Differential Equations, Proceedings of the Fifth International Conference on Dynamical Systems and Differential Equations, Discrete and Continuous Dynamical Systems*, 2005, 497–504.

The nonlinear limit–point/limit–circle problem for second order equations with p -Laplacian, with M. Bartušek, *Dynamic Systems and Applications* 14 (2005), 431–446.

Oscillation of first order nonlinear neutral difference equations, with S. Elizabeth and E. Thandapani, *Indian Journal of Pure and Applied Mathematics* 36 (2005), 503–512.

Global attractivity in a nonlinear difference equation and its applications, with C. Qian, *Dynamic Systems and Applications* 15 (2006), 89–96.

Positive solutions of a nonlinear third order eigenvalue problem, with B. Yang, *Dynamic Systems and Applications* 15 (2006), 97–110.

Positive solutions to a multi-point higher order boundary value problem, with B. Yang, *Journal of Mathematical Analysis and Applications* 316 (2006), 409–421.

Asymptotic properties of solutions of a forced second order differential equation with p -Laplacian, with M. Bartušek, *PanAmerican Mathematical Journal* 16 (2006), 41–59.

Global existence results for impulsive functional dynamic inclusions on time scales in Fréchet Spaces, with A. Ouahab, Communications on Applied Nonlinear Analysis 13 (2006), 59–81.

A functional integro-differential equation in Banach algebras involving discontinuous nonlinearities, with B. C. Dhage and B. D. Karande, International Journal of Differential Equations and Applications 10 (2006), 55–73.

The stability of a wing in a flow, with B. Belinskiy and R. E. Melnik, Neural, Parallel & Scientific Computations 14 (2006), 75–96.

Solutions of multi-point boundary value problems of the second order, with L. Kong, Proceedings of Neural, Parallel and Scientific Computations, Volume 3, Dynamic Publishers, (2006), 68–72.

Some existence and uniqueness results for first order boundary value problems for impulsive functional differential equations with infinite delay in Fréchet spaces, with A. Ouahab, International Journal of Mathematics and Mathematical Sciences Volume 2006 (2006), Article ID 31256, 16 pages.

Monotone technique for first order discontinuous functional differential inclusions, with B. C. Dhage, Communications in Applied Analysis 10 (2006), 137–146.

Some existence results for impulsive dynamic equations on time scales with integral boundary conditions, with A. Ouahab, Dynamics of Continuous, Discrete and Impulsive Systems Series A, Mathematical Analysis 13B (2006), Supplementary Volume, 11–24.

Positive solutions of a nonlinear n -th order eigenvalue problem, with J. Henderson and B. Yang, Dynamics of Continuous, Discrete and Impulsive Systems Series A, Mathematical Analysis 13B (2006), Supplementary Volume, 39–48.

The strong limit-point property for Emden-Fowler equations, with M. Bartušek, Differential Equations and Dynamical Systems 14 (2006), 383–405.

The strong nonlinear limit-point/limit-circle properties for sub-half-linear equations, with M. Bartušek, Dynamic Systems and Applications 15 (2006), 585–602.

The strong nonlinear limit-point/limit-circle properties for super-half-linear equations, with M. Bartušek, PanAmerican Mathematical Journal 17 (2007), 25–38.

Some existence and uniqueness results for impulsive functional differential equations with variable times in Fréchet spaces, with A. Ouahab, Dynamics of Continuous, Discrete and Impulsive Systems 14 (2007), 27–45.

Existence of solutions for nonlinear boundary value problems, with L. Kong, Communications on Applied Nonlinear Analysis 14 (2007), 39–60.

Positive solutions of a nonlinear fourth order boundary value problem, with B. Yang, Communications on Applied Nonlinear Analysis 14 (2007), 61–73.

Symmetric positive solutions of nonlinear boundary value problems, with L. Kong and Q. Kong, Journal of Mathematical Analysis and Applications 326 (2007), 1310–1327.

First order functional differential equations with periodic boundary conditions,

with B. C. Dhage, *Applicable Analysis* 86 (2007), 205–221.

Positive solutions of a nonlinear higher order boundary value problem, J. Henderson and Bo Yang, *Electronic Journal of Differential Equations* Volume 2007 (2007), No. 45, pp. 1–10.

Necessary and sufficient conditions for the existence of symmetric positive solutions of singular boundary value problems, with L. Kong, *Journal of Mathematical Analysis and Applications* 331 (2007), 1467–1484.

A necessary and sufficient condition for existence of positive solutions of nonlinear boundary value problems, with L. Kong, *Nonlinear Analysis Series A: Theory, Methods and Applications* 66 (2007), 2389–2412.

Existence results for functional differential inclusions in Banach algebras, with B. C. Dhage, *Nonlinear Studies* 14 (2007), 205–218.

On n^{th} order random ordinary differential inclusions, with B. C. Dhage, *Global Journal of Mathematical Analysis* 1 (2007), 59–74.

Asymptotic behavior of solutions of a differential equation with p -Laplacian and a forcing term, with M. Bartušek, *Differential Equations and Dynamical Systems* 15 (2007), 61–87.

Review of “Sturm–Liouville Theory: Past and Present” by W. O. Amrein, A. M. Hinz, and D. B. Pearson, Editors, *Society for Industrial and Applied Mathematics Review* 49 (2007), 343–346.

A nonlinear Sturm–Picone comparison theorem for dynamic equations on time scales, with B. Belinskiy and S. Petrović, *International Journal of Difference Equations* 2 (2007), 25–35.

Asymptotic results for a class of fourth order quasilinear difference equations, with R. Dhanasekaran, S. Pandian, and E. Thandapani, *Journal of Difference Equations and Applications* 13 (2007), 1085–1103.

Modeling a Wing in an Air Flow, with B. Belinskiy and R. E. Melnik, *Colloquium on Differential and Difference Equations CDDE 2006 Proceedings*, *Folia FSN Universitatis Masarykianae Brunensis, Mathematica* 16, (2007), 21–31.

Strong nonlinear limit-point/limit-circle properties for a class of fourth order equations, with M. Bartušek, *Communications in Applied Analysis* 11 (2007), 469–484.

A periodic boundary value problem with vanishing Green’s function, with L. Kong and H. Wang, *Applied Mathematics Letters* 21 (2008), 176–180.

Positive solutions of a third order nonlocal boundary value problem, with B. Yang, *Discrete and Continuous Dynamical Systems Series S* 1 (2008), 89–97.

Extremal solutions for nonresonance impulsive functional dynamic equations on time scales, with A. Ouahab, *Applied Mathematics and Computation* 196 (2008), 333–339.

Necessary and sufficient conditions for the existence of symmetric positive solutions of multi-point boundary value problems, with L. Kong, *Nonlinear Analysis*

Series A: Theory, Methods and Applications 68 (2008), 1529–1552.

Strong nonlinear limit-point/limit-circle properties for forced Thomas-Fermi equations with p -Laplacian, with M. Bartušek, PanAmerican Mathematical Journal 18 (2008), 73–88.

Existence and nonexistence of positive solutions of a nonlinear third order boundary value problem, with B. Yang, Electronic Journal of Qualitative Theory of Differential Equations, Proceedings of the Eighth Colloquium on the Qualitative Theory of Differential Equations, 2008, No. 9, 1–13.

Existence, multiplicity, and dependence on a parameter for a periodic boundary value problem, with L. Kong and H. Wang, Journal of Differential Equations 245 (2008), 1185–1197.

Nonlinear limit-point/limit-circle properties of solutions of second order differential equations with P -Laplacian, with M. Bartušek, International Journal of Pure and Applied Mathematics 45 (2008), 501–518.

Solutions of second order multi-point boundary value problems, with L. Kong, Mathematical Proceedings of the Cambridge Philosophical Society 145 (2008), 489–510.

Personage in science: Professor Myron K. Grammatikopoulos, with A. A. Martynyuk and I. P. Stavroulakis, Nonlinear Dynamics and Systems Theory 8 (2008), 217–220.

The strong nonlinear limit-point/limit-circle properties for a class of even order equations, with M. Bartušek, Communications on Applied Nonlinear Analysis 15 (2008), 29–45.

Existence and nonexistence of positive solutions of an n -th order nonlocal boundary value problem, with J. Henderson and B. Yang, Proceedings of Dynamic Systems and Applications 5 (2008), 186–191.

Nontrivial solutions of periodic boundary value problems, with L. Kong, Proceedings of Dynamic Systems and Applications 5 (2008), 192–197.

Three solutions of an n th order three-point focal type boundary value problem, with J. Henderson, P. J. Y. Wong, and B. Yang, Nonlinear Analysis Series A: Theory, Methods and Applications 69 (2008), 3386–3404.

Positive solutions to a singular third order nonlocal boundary value problem, with J. Henderson and B. Yang, Indian Journal of Mathematics 50 (2008), 317–330.

Existence results for boundary value problems with nonlinear fractional differential equations, with M. Benchohra and S. Hamani, Applicable Analysis 87 (2008), 851–863.

First order impulsive differential inclusions with periodic conditions, with A. Ouahab, Electronic Journal of Qualitative Theory of Differential Equations 2008, No. 31, 1–40.

Existence results for functional semilinear differential inclusions in Fréchet spaces, with A. Ouahab, Mathematical and Computer Modelling 48 (2008), 1708–1718.

On asymptotic behavior of a nonlinear functional integral equation, with B. C. Dhage and A. V. Deshmukh, Communications on Applied Nonlinear Analysis 15 (2008), 55–67.

Global existence and uniqueness results for impulsive functional differential equations with variable times and multiple delays, with A. Ouahab, Dynamics of Continuous, Discrete and Impulsive Systems, to appear.

Nonresonance impulsive functional dynamic boundary value inclusions on time scales, with A. Ouahab, Nonlinear Studies, to appear.

Existence results for nonlinear periodic boundary value problems, with L. Kong, Proceedings of the Edinburgh Mathematical Society, to appear.

Existence of solutions for a higher order multi-point boundary value problem, with L. Kong and B. Yang, Results in Mathematics, to appear.

Oscillation criteria for certain third order nonlinear difference equations, with R. P. Agarwal and S. R. Grace, Applicable Analysis and Discrete Mathematics, to appear.

Existence of positive solutions of a higher order nonlocal singular boundary value problem, with J. Henderson and B. Yang, Proceedings of 6th International Conference on Differential Equations and Dynamical Systems, Dynamics of Continuous, Discrete and Impulsive Systems (Series A), Supplementary Volume, to appear.

Oscillation theorems for fourth order functional differential equations, with R. P. Agarwal and S. R. Grace, Journal of Applied Mathematics and Computing, to appear.

Higher order multi-point boundary value problems, with L. Kong and Q. Kong, Mathematische Nachrichten, to appear.

Positive solutions for third order semipositone boundary value problems, with L. Kong, Applied Mathematics Letters, to appear.

Positive Solutions for Discrete Boundary Value Problems, with T. Moussaoui, Dynamic Systems and Applications, to appear.

Third order boundary value problems with nonlocal boundary conditions, with J. R. L. Webb, Nonlinear Analysis Series A: Theory, Methods and Applications, to appear.

Existence of three solutions of a higher order boundary value problem, with L. Kong and Q. Kong, Electronic Journal of Differential Equations, Conference 2007, to appear.