

Declaration and Affidavit

I Samir H. Saker Declare and Acknowledge of the originality of my scientific research outcomes and take the full responsibilities in case of breaching this commitment.

(A) Background Data :

- (1) **Name** Prof. Samir H. Saker
- (2) **Year and Place of Birth :** 11/1/1971, Egypt
- (3) **Present Nationality :** : Egyptian
- (4) **Address :** Department of Mathematics, Faculty of Science, Mansoura University, Mansoura 35516, Egypt
- (5) **E-mail Address :** shsaker@mans.edu.eg
- (6) **Telephone Numbers :** 1- Work **+201025327725**
2- Fax: +20502202266
3- Mobile: +201122342009
4- Home: +20509181147

BRIEF SUMMARY OF C. V.

A full professor of Mathematics, Mansoura University, Egypt.

Books: 5 for research (3 in Springer) and 2 compiled books.

Articles: More than 210.

National and international Awards: 4 (Egypt, Jordan).

Scholarships and visiting professor: 6 (Poland, Canada, Greece, USA).

Founder and Coordinator of Department of Basic Science, Preparatory Year, King Saud University (2007-2012).

Google Scholar: Citation 4590, h-index 34.

Scopus: Citations 2447, h-index 26.

9) Qualifications (Bachelor-Master-PhD):

QUALIFICATIONS

B. Sc. (May-1993) in Mathematics, Rank First, Very Good with honor degree, Mansoura University, Egypt.

M. Sc. (November-1997) in Mathematics (Differential Equations), Mansoura University, Egypt.

Title: Oscillation of Solutions of Delay Differential Equations

Ph. D. (December 2002) in Mathematics, Adam Mickiewicz University, Poznan, Poland.

Title: Oscillation Theory of Delay Differential and Difference Equations and Some of Their Applications.

WORK EXPERIENCE

1-Manager of IT Unite, Faculty of Science, Mansoura University, from 30-10-2012 till now.

2-Faculty Council Member, Faculty of Science, (on behalf of Mathematics Department Sep-2015-October 2016).

3-Faculty Council Member, Faculty of Science, (As an It unite Manager) October 2013 -October 2016).

4-Co-Ordinator of Mathematics Department in Preparatory Year, King Saud University from 2007-2012.

5-Custodian of National Committee of Mathematics, Academic of Scientific Research and Technology, Egypt (from 1-10-2013 to 30-9-2016).

6-Member of National Committee of Mathematics, Academic of Scientific Research and Technology, Egypt (from 1-10-2013 to 30-9-2016).

FIELDS OF INTEREST

Ordinary and functional differential equations (delay and neutral delay equations).

Difference equations.

Population Models (Continuous and discrete).

Mathematical models in Biology, Ecology, Economy, Epidemiology, and Medicine, etc.

Dynamic equations on time scales.

Dynamic inequalities on time scales (Opial, Wirtinger, Lyapunov, etc.).

Hardy type inequalities.

Applications of inequalities in studying distribution of zeroes of differential and dynamic equations.

Hahn Operator and its Calculus, Boundary value problems, Q-Calculus.

Zeros of Riemann Zeta Function.

Fractional Calculus

Academic Honors: Grants and Awards (Prize Name -Grantor- Year)

ACADEMIC HONORS

The paper "Oscillation of second-order nonlinear dynamic equations on time scales" (coauthored with Martin Bohner) has been designated an Emerging Research Front" by Thomson ISI Essential Science Indicators. ISI Essential Science Indicators lists most prominent papers in 22 broad fields of science. This paper was the only paper selected in the field of mathematics in February 2011 <http://archive.sciencewatch.com/dr/erf/2011/11feberf/11feberfBohn/>).

Martin Bohner Discusses the Study of Dynamic Equations – ScienceWatch.com – Thom... Page 1 of 3

[FOLLOW US](#)
[SHARE](#)

Martin Bohner Discusses the Study of Dynamic Equations Emerging Research Fronts Commentary, February 2011



Article: Oscillation of second order nonlinear dynamic equations on time scales

Authors: Bohner, M; Saker, SH
Journal: ROCKY MT J MATH, 34 (4): 1239-1254 WIN 2004
Addresses: Univ Missouri, Dept Math & Stat, Rolla, MO 65401 USA.
Univ Missouri, Dept Math & Stat, Rolla, MO 65401 USA.
Adam Mickiewicz Univ Poznan, Fac Math & Comp Sci, PL-60769
Poznan, Poland.
Mansoura Univ, Dept Math, Mansoura 35516, Egypt.
(Addresses have been truncated)

Martin Bohner talks with ScienceWatch.com and answers a few questions about this month's Emerging Research Front paper in the field of Mathematics.

Why do you think your paper is highly cited?

SW:

The concept of time scales analysis is a fairly new idea. In 1988, it was introduced by the German mathematician Stefan Hilger in his Ph.D. thesis and supervised by Bernd Aulbach. It combines the traditional areas of continuous and discrete analysis into one theory. After the publication of two textbooks in this area (by Bohner and Peterson, 2001, 2003), more and more researchers were getting involved in this fast-growing field of mathematics.

Our paper is one of the first papers in nonlinear oscillation theory on time scales, and the reason why it is highly cited is that numerous mathematicians worldwide have started to work on oscillation theory, in particular, nonlinear oscillation theory, on time scales.

Does it describe a new discovery, methodology, or synthesis of knowledge?

SW:

Coauthor, Samir Saker

The study of dynamic equations brings together the traditional research areas of (ordinary and partial) differential and difference equations. It allows one to handle these two research areas at the same time, hence shedding light on the reasons for their seeming discrepancies. In fact, many new results for the continuous and discrete cases have been obtained by studying the more general time scales case.



SCHOLARSHIPS AND GRANTS

Ph. D. Scholarship, Adam Mickiewicz University, Poznan, Poland. (Feb. 2001-December 2002)

IKY Postdoctoral Scholarship, Department of Mathematics, University of Ioannina, Greece (March 2004-August 2004).

Fulbright Postdoctoral Scholarship, Department of Mathematics, Trinity University, San Antonio, Texas, USA (March 2005-August 2005).

Postdoctoral-Fellowship, University of Calgary, Department of Mathematics, Canada, (February 2006-January 2007).

Postdoctoral-Fellowship (TUBTUK, University of Yuzuncu Yil, Department of Mathematics, Turkey, (24-July-22-August 2016).

Visiting Professor, Department of Basic Science, Qatar University, April 2014.

AWARDS

The privilege of the first class from the president of Egypt, 2016.

Abdul Hameed Shoman Award for Young Arab Scientists, Mathematics (Abdul Hameed Shoman Foundation, Jordan, 2003) gave to me for the main contribution in developing the Arabic Scientific community and for the authenticity, originality of the publications.

National State Prize on Basic Science (Mathematical Science), Egyptian Academy of Scientific Research and Technology (Egypt, 2005).

State Incentive Award in Mathematics (Mansoura University, Egypt 2006).

Mohamed Amin Lotfy Award on Basic Science (Mathematical Science), Egyptian Academy of Scientific Research and Technology (Egypt, 2010).

State Incentive Award in Mathematics (Mansoura University, 2013).

National State Prize on Basic Science (Mathematical Science), Egyptian Academy of Scientific Research and Technology (Egypt, 2014).

King Saud University Nomination on TWAS award (2007).

Mansoura University Nomination on TWAS Award (2015).

State Incentive Award in Mathematics (Mansoura University, 2015).

10) Academic and Administrative experience: (Starting with current position)

Prof. of Mathematics, Department of Mathematics, Faculty of Science, Mansoura University from 1/12/2013 till now.

Associate Prof. of Mathematics, Department of Mathematics, Faculty of Science, Mansoura University from 31/8/2008-30/11/2013.

Assistant Prof. of Mathematics, Department of Mathematics, Faculty of Science, King Saud University, August 2006-June 2012.

Assistant Prof. of Mathematics, Department of Mathematics, Faculty of Science, Mansoura University from 20/7/2003-31/8/2008.

Assistant Lecturer of Mathematics, Department of Mathematics, Faculty of Science, Mansoura University from 17/1/98 to 19/7/2003.

Demonstrator of Mathematics, Department of Mathematics, Faculty of Science, Mansoura University from 17/12/1994 to 16/1/1998.

ACADEMIC ACTIVATES

Member of American Mathematical Society, <http://www.ams.org>.

Member of European Mathematical Society, <http://www.emis.de>.

Member of Egyptian Mathematical Society, <http://msrc.etms-web.org>.

<http://www.open.ac.uk/ecss/index.html>

Member of International Society of Difference Equations,

<http://web.umn.edu/~isde/>.

Member of African Mathematical Union, AMU.

http://www.math.buffalo.edu/mad/PEEPS2/sakir_samir.html

Reviewer of Zentralblatt MATH. (European Math. Soc., No. 10325),

<http://www.emis.de>,

Reviewer of Mathematical Review (Amer. Math. Soc., No. 37334)

<http://www.ams.org>.

SUPERVISION (M. SC.)

Name of student: Mahmoud Mohamed Osman Ahmed Elnezlawy,

Title: **A Study of Some Dynamic Inequalities on Time Scales.**

Registration date: 18/8/2013

Awarding degree date: 29/6/2016.

Name of Student: Safi H. Rabie,

Title: **On Opial inequalities and some applications**

Registration date: 10/12/2012

Awarding degree date: 22/2/2016.

Name of student: Ahmed Mahmoud Elshenhab Mohamed Elshenhab

Title: **Asymptotic behavior of dynamic equations on time scales.**

Registration date: 24/1/2016-

Name of Student: Ahmed Ibrahim Mohammed Mahmoud Abo Saied

Title: **Some Dynamic Inequalities with Weighted Functions on Time Scales**

Registration date: 13/7/2016-

Name of Student: Shaimaa Ismail

Title: **Qualitative analysis of some nonlinear discrete models**

Registration date: 20/9/2015-

Name of Student: Doaa M. M. Abdo

Title: **Studies on some dynamic inequalities and their applications**

Registration date: 1/3/2015-

SUPERVISION (PH. D.)

1-Name of student: Taher S. Hassan

Title: Asymptotic behavior of some functional differential equations

Registration date: 29/5/2001

Awarding degree date: 20/10/2003

2-Name of Student: Ramy Ramadan Mahmoud Mohammed

Title: Dynamic Inequalities on Time Scales

Registration date: 21/10/2013

Awarding degree date: 31/5/2016

3-Name of student: Mohammad Ali Mohammad Alrahet (from Yamen)

Title: Asymptotic Behavior of Solutions of Third Order Functional Differential Equations

Registration date: 29/4/2014.

4-Name of student: Haytham Mohammed Rezk Ahmed

Title: Hilbert's and Hardy's Type Inequalities on Time Scales

Registration date: 1/3/2016

5-Name of Student: Al-Taher Ali Ghareeb Abdel-Latif

Title: Ostrowski-Gruss-Type Inequalities on Time Scales

Registration date: 1/3/2016

6-Name of student: Mohammed Ragab Zaki Kenawy

Title: On Some Fractional Inequalities

Registration date: 20/6/2016

7-Name of student: Safi H. Rabie

Title: A Study on weighted Hardy Type Inequalities

Registration date: 15/10/2016

8-Name of student: Mahmoud Mohamed Osman Ahmed Elnezlawy

Title: Studies on Some Dynamic Inequalities related to Hardy's

Inequality. Registration date: 6/11/2016

EDITORIAL

Associate Editor of

Egyptian Journal of Basic and Applied Sciences - Elsevier (2013-2014).

<https://www.journals.elsevier.com/egyptian-journal-of-basic-and-applied-sciences/>

Journal of the Egyptian Mathematical Society - Elsevier

<https://www.journals.elsevier.com/journal-of-the-egyptian-mathematical-society>

Journal of Inequalities and Applications

<https://journalofinequalitiesandapplications.springeropen.com/>

Beni-Suef University Journal of Basic and Applied Sciences - Elsevier

<https://www.journals.elsevier.com/beni-suef-university-journal-of-basic-and-applied-s>

I am on Editorial Board of:

- Journal of Mathematics and Statistics,

<http://www.ansijournals.com/jms2>

- International Journal of Applied Mathematics & Statistics (IJAMAS),

http://www.geocities.com/ceser_info/eb-ijams.html.

- Journal of Contemporary Mathematics,

- Journal of Applied Sciences,

<http://ansijournals.com/3/c4p.php?id=1&theme=3&jid=jas>

- International Journal of Differential equations, Hindawi publisher.

- Advances in Pure Mathematics, <http://www.scirp.org/journal/apm>

- Journal of Applied Mathematics, Hindawi publisher

- Electronic J. Math. Analysis Applications,

- Journal of Fractional Calculus and Applications,
- Ilirias Journal of Mathematics, ISSN 2334-6574
<http://www.ilirias.com/ijm/editorial.html>
-

REFERRING TO A LOT OF INTERNATIONAL JOURNALS

I am referring to some in the following list:

Journal of London Mathematical Society,

Journal of Mathematical Analysis and Applications,

Journal of Difference equations and Applications,

Nonlinear Analysis TMA, Nonlinear Analysis RWA,

Journal of Comp. and Applied Mathematics, ANZIAM Journal, Fasculi

Mathematice, E. Journal of Qualitative Theory Differential Equations,

Bull Korean Mathematical Society, E-Notes of Applied Mathematics,

Indian Journal of Pure and Applied Mathematics,

Advances in Difference equations, European Mathematical Journal,

J. Applied Mathematics and Computing, Journal of Applied Analysis,

African Diaspora Journal of Mathematics, Applied Mathematics Letters,

Mathematical and Computer Modeling, Computer & Mathematics with

Applications, Physics Letters A, Ecological Systems, Dynamic Systems and

Applications, Communication in Dynamical Systems, Sarajevo Journal of

Math., Advances of Dynamic Syst. Appl., International J. Difference Eqns.

Appl., International journal of Biomathematics,

Abstract and Applied analysis, Hiroshima Journal of Mathematics,

Science in China, Series A-Mathematics, Applied Mathematics-A Journal

of Chinese Universities, Filomat, Vitnam J. Math., Mathematica Slovaca,

Annales Polonici Mathematici, Discrete Dynamics in Nature and Society,
ACTA MATHEMATICA UNIVERSITATIS COMENIANAE,
International Journal of Non-Linear Mechanics,
Journal of Applied Mathematics and Physics (JAMP).

International school of history of Mathematics, Mansoura 1999.

Mathematics and the 21st Century, Cairo - Egypt 15-20 January 2000.

International Conference of Topological Methods in Nonlinear Analysis, the Mathematical Conference Center, Badlevo, Poland, 18-23 June, 2001.

Czechoslovak International Conference on Differential Equations and Their Applications, EQUADIFF 10, Prague, Czech Republic, August 27- 31, 2001.

School on Population Dynamics, the Mathematical Conference Center, Badlevo, Poland June 17-21, 2002.

Conference on Mathematical Modeling of population Dynamics, the Mathematical Conference Center, Badlevo, Poland, June 24-28, 2002.

Workshop on Periodicities in Difference Equations, University of Ioannina, Greece, June 5, 2004.

Texas Dynamics Systems Workshop, Trinity University, San Antonio, USA, April 8-9, 2005.

International Conference on mathematical Analysis and its Applications, Assiut-Egypt, 3-6 January 2006.

Canadian Mathematical Society Summer 2006 Meeting, University of Calgary, Calgary, Alberta, Canada, June 3-5, 2006.

Workshop of computation and Modeling: Methods and Applications, King Abdul Aziz City for Science and Technology, Riyadh, January 23, 2007.

Third Saudi Science Conference (New Horizons in Science and their Applications) College of Science - King Saud University 10-13th March 2007 (20-23/1428 H).

Workshop of Partial differential equations in modern mathematical physics and applied mathematics, King Abdul Aziz City for Science and Technology, Riyadh, February 13, 2007.

The third international conference on Mathematical Sciences-ICM 2008, March 3-6 (2008).

First International Conference for E-Learning and Distance Learning, held in Al Faisaliah Hotel, Riyadh, Saudi Arabia from 16-18 March 2009.

Progress of Difference equations 2009, Badlevo, Poland, May 24-29, 2009.

Second International Conference of e-learning and Distance Learning (2011) held in Al Faisaliah Hotel, Riyadh, Saudi Arabia from 21-24 February 2011.

International Conference on Mathematics, Trends and Development, 27 -- 29 December 2012, Cairo, Egypt.

4th. Symposium of the FRACTIONAL CALCULUS AND APPLICATIONS GROUP, Faculty of Science -- Alexandria University, on Wednesday 11th of July, 2012.

5th. Symposium of the FRACTIONAL CALCULUS AND APPLICATIONS GROUP "Faculty of Science -- Alexandria University, on 3ed. of July, 2013. (Invited Speaker)

The Nineteenth International Conference on Difference Equations and Applications, Sultan Qaboos University, Muscat, Oman, May 26 - 30, 2013.

6th. Symposium of the FRACTIONAL CALCULUS AND APPLICATIONS GROUP "Faculty of Science -- Alexandria University, on 4-August, 2014. (Invited Speaker)

The First National Conference on Mathematics, and its Applications, 14 -- 16 Dec. 2014, Cairo, Egypt. (Organizer and invited speaker).

International Conference for Mathematics & Its Applications, ICM&A, December 27-29, 2015, Egypt (Organizing Committee and invited Speaker).

Member of Scientific Committee of 4th International Conference on Mathematics and Information Sciences, Feb. 09-11, 2017, Egypt.

Member of Scientific Committee of 5th International Conference on Mathematics and Information Sciences, Feb. 09-11, 2017, Egypt. (invited Speaker)

Member of Scientific Committee of 6th International Conference on Mathematics and Information Sciences, Feb. 09-11, 2017, Egypt. (Invited Speaker)

International Conference on, Mathematics Statistics Information Technology, Tanta University, December 20-22, 2016, Egypt (invited speaker).

Member of Scientific Committee and invited speaker of the Second National Conference on Mathematics, and its Applications, 3-5 April. 2017, Cairo, Egypt.

PACOM 2017, 3-7 July, Morocco, Rabat (invited speaker).

Member of Scientific Committee and invited speaker of the Second National Conference on Mathematics, and its Applications, 5-7 April. 2018, MUST, Cairo, Egypt.

(B) Scientific Production:

Section (1) Journal Publications Published during the past 20 years.

Total Publications: 218

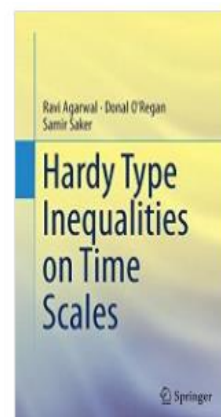
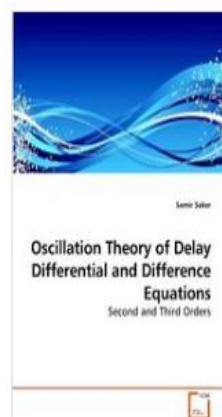
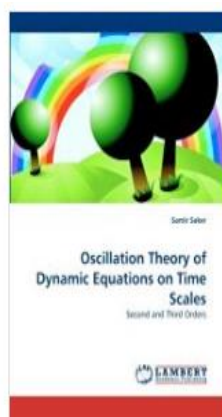
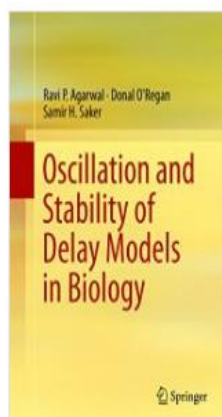
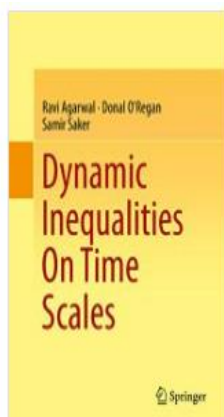
Google Scholar: H-index 37, Citations: 4770.

(Scopus): H-index 25, Citations: 2440

(B) Scientific Production: Section (2) Books:

LIST OF BOOKS

- 1- Ravi P. Agarwal, D. O'Regan and Samir H. Saker, Analysis of Nonlinear Discrete Population Models, (under preparation).
- 2- S. H. Saker, Oscillation Theory of Delay Differential and Difference Equations: Second and Third Orders, Verlag der Muler, Berlin, Germany (2010).
- 3-S. H. Saker, Oscillation Theory of Dynamic Equations on Time Scales: Second and Third Orders, Lambert Academic Publishing, Berlin, Germany (2010).
- 4-Ravi P. Agarwal, D. O'Regan and Samir H. Saker, Oscillation and Stability of Delay Models in Biology, Springer (2014).
- 5-Ravi Agarwal, D. O'Regan and Samir H. Saker, Dynamic Inequalities on Time Scales, Springer (2014).
- 6-Ravi Agarwal, D. O'Regan and Samir H. Saker, Hardy Type Inequalities on Time Scales, Springer (2016).



GUEST EDITOR

1-The special issue of "Qualitative Theory of Functional Differential and Integral Equations 2016", Abstract Appl. Analysis (2015).

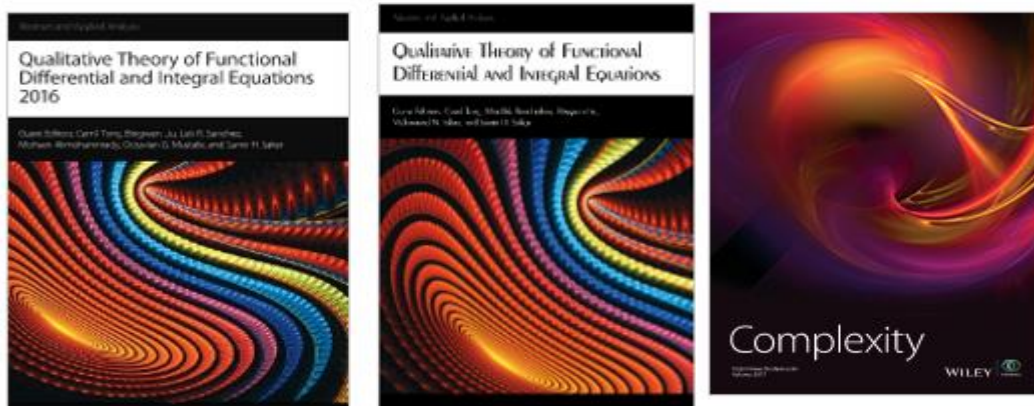
<https://www.hindawi.com/journals/aaa/si/592486/>

2-The special issue of "Qualitative Theory of Functional Differential and Integral Equations 2016", Abstract Appl. Analysis (2016) (under publications).

<https://www.hindawi.com/journals/aaa/si/592486/>

3-Applications of Delay Differential Equations in Biological Systems, Complexity

<https://www.hindawi.com/journals/complexity/si/384786/cfp/>



BOOKS FOR STUDENTS:

The following two books are compiled by me from Mc Graw Hill to King Saud University.



Book 1: Calculus, early transcendental functions (Third Edition)

Authors: Robert T. Smith, and Roland R. Minton

Year: 2008.

Book 2. Precalculus, **Year:** 2008

Authors: Raymond A. Barnett, Michael R. Ziegler and Karl E. Byleen.

List of all Articles

Submitted

1. M. Bohner and S. H. Saker, Gehring Inequalities on Time Scales, Ann. Acad. Sci. Fenn. Math.
2. S. H. Saker, S. S. Rabie, D. O'Regan and R. P. Agarwal, New Dynamic Inequalities of Opial and Saitoh Type on Time Scales, J. Conv. Analysis.
3. S. H. Saker, E. Awwad and A. I. Saied, New Characterizations of Weights on Dynamic Inequalities Involving Hardy's Operator, Filomat
4. S. H. SAKER, E. AWWAD AND A. I. SAIED, Some new characterizations of weighted Functions in Dynamic inequalities involving monotonic functions, Math Ineq. Appl
5. S. H. Saker¹, D. O'Regan² and R. P. Agarwal, A Higher Integrability Theorem from a Reverse Weighted Inequality, J. London Math. Soc.
6. S. H. Saker, A. G. Sayed and D. O'Regan, Some New Dynamic Inequalities of Opial Type via Convex Functions, Ukranian Math. J.
7. Samir H. Saker¹, Haytham M. Rezk, and Mario Krnić, More accurate dynamic Hardy-type inequalities obtained via superquadraticity, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas.
8. Samir H. Saker, Mario Krnić, and Josip Pěćarić, Higher summability theorems from the weighted reverse discrete inequalities, Appl. Anal. Discrete Math.
9. Samir H. Saker, Mahmoud M. Osman¹ and Mario Krnić², Higher Integrability Theorems on Time Scales from Reverse Hölder Inequalities, Appl. Anal. Discrete Math
10. S. H. Saker, M. M. Osman, New characterizations of Weights in Hardy's Type dynamic inequalities with applications, Analysis and Math. Physics.
11. S. H. SAKER¹, E. AWWAD² AND A. I. SAIED, Some new weighted Dynamic inequalities with kernels involving monotonic functions on time scales, European J Combinatorics.
12. S. H. Saker and A. Popoli, Theorems of Higher Summability From Reverse Discrete inequalities with weights, Proc. Royal Soc. Edinb.
13. S. H. Saker, M. M. Osman and M Krnic, Some New Dynamic Inequalities with Three Parameters on Time Scales, (under revision)

Accepted:

1. S. H. Saker, E Thandapani, M. Alrohet, B. Sudha, Distribution of Zeros of Second Order Superlinear and Sublinear Neutral Delay Differential Equations Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas
2. S. H. Saker and M. M. Osman and D. O'Regan and R. P. Agarwal, Levenson type inequalities and their extensions via convexity on time scales, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie.

3. S. H. Saker, M. M. Osman, D. O'Regan and R. P. Agarwal, Lyapunov inequalities for dynamic equations via new Opial type inequalities" Hacettepe Journal of Mathematics and Statistics.
4. S. H. Saker, and I. Kubiacyk, Higher Summability and Discrete Weighted Muckenhoupt and Gehring Type Inequalities Reverse Weighted Discrete Inequalities, Proc. Eden. Math. Soc.
5. S. H. Saker and M. R. Kenawy, Copson and converses Copson type inequalities via conformable calculus, Progress in Fractional Differentiation and Applications (PFDA).
6. S. H. Saker, B. Sudha, K. Thangavelu; and E. Thandapani, Oscillation Criteria for Second Order Differential Equations with a Sub-Linear Neutral Term, Dynamics of Continuous, Discrete and Impulsive Systems Series A
7. S. H. Saker and A. M. El-Shenhab, Oscillation Criteria for first order delay dynamic equations, Bull. Math. Soc. Sci. Math. Roumanie.
8. Chapter in A book, S. H. Saker, M. R. Kenawy and D. Baleanu, Hardy's Type Inequalities via Conformable Calculus, Edited by G. George A. Anastassiou, Springer 2018.
9. S. H. Saker and I. Kubiacyk, Reverse Dynamic Inequalities and Higher Integrability Theorems, J. Math. Anal. Appl.

2018

1. S. H. Saker, R. R. Mahmoud and A. Peterson, A Unified Approach To Copson and Beesack Type Inequalities on Time Scales, Math. Ineq. Appl. 21 (4), (2018), 985-1002.
2. S. H. Saker, R. R. Mahmoud and C. Tunç New Carlson-Bellman and Hardy-Littlewood Dynamic Inequalities, Math. Ineq. App. 21 (4) (2108), 967-983.
3. S. H. Saker, D. O'Regan and H Rezk, Some Dynamic Inequalities Involving Hilbert and Hardy-Hilbert Opertors with Kernels, Results in Mathematics
4. S. H. Saker, M. R. Kenawy, D. O'Regan and R. P. Agarwal, Fractional Hardy Type Inequalities via Conformable Calculus, Memoirs on Differential Equations and Mathematical Physics Volume 73, 2018, 131-140.
5. V.Sadhasivam, T.Raja, T. Kalaimani and S. H. Saker, Oscillation of Impulsive Neutral Partial Differential Equations with Distributed Deviating Arguments, Bull. Math. Soc. Sci. Math. Roumanie Tome 61 (109) No. 1, 2018, 51-68.
6. S. H. Saker, M. M. Osman, and D. O'Regan and R. P. Agarwal, Inequalities of Hardy-type and generalizations on time scales, Analysis 38 (2018), 1
7. S. H. Saker, D. O'Regan, M. M. Osman and R. P. Agarwal, New dynamic inequalities for Decreasing Functions and Theorems of Higher Integrability, Annals of Applied Mathematics, 42, 2(2018), 1-13.
8. S. H. Saker, D. M. Abdou and I. Kubiacyk, Opial and Pólya Type inequalities via Convexity, Fascicluci Math 60 (2018), 145-159.

2017

- 1-R. P. Agarwal, M. Bohner, D. O'Regan, S. H. Saker, Dynamic Shum inequalities, Turkish Math. J. Volume 41, Issue 1, 2017, Pages 55-66.
- 2-D. O'Regan, S. H. Saker , A. Elshenhab and R. P. Agarwal, Distributions of zeros of solutions to first order delay dynamic equations, Adv. Diff. Eqns 2017 (1), 205.
- 3-S. H. Saker, R. R. Mahmoud, D. O'Regan and R. P. Agarwal, Some reversed dynamic inequalities on time scales, Bull. Aust. Math. Soc. 96 (3), (2017). 445-454
- 4-S. H. Saker, A. A. El-Deeb, H. M. Rezk and R. P. Agarwal, On Hilbert's inequality on time scales, Applicable Analysis and Discrete Mathematics.11 (2), (2017), 399-423
- 5-Sandra Pinelas, S. H. Saker and M. A. Alrohet, Oscillation Criteria of second order neutral difference equations via third order difference equations, Inter. J. Difference. Eqns. 12 (1), (2017), 131-143
- 6- S. H. Saker, R. R. Mahmoud, M. Osman and R. P. Agarwal, Some new generalized forms of Hardy's type inequality on time scales, Math. Ineq. Appl. Volume 20, Number 2 (2017), 459--481.
- 7- M. J. Bohner, S. H. Saker and M. M. Osman, Higher order dynamic inequalities of Opial's type on time scales and an application, Dynamic Sys. Appl. 26 (2017) 65-80.
- 8- Ravi P. Agarwal, R. R. Mahmoud, S. H. Saker, C. Tunc, New generalizations of Németh-Mohapatra type inequalities on time scales, Acta Math. Hungr. 152(2) (2017), 383–403.
- 9-S. H. Saker, A. M. Ahmed, H. M. Rezk, D. O'Regan and R. P. Agarwal, New Hilbert dynamic inequalities on time scales, Mathematical Inequalities & Applications 20 (4), 1017-1039.
- 11-C Tunç, B Liu, LR Sanchez, M Alimohammady, OG Mustafa, SH Saker, Qualitative Theory of Functional Differential and Integral Equations, Abstract and Applied Analysis 2017.
- 12- S.H. Saker, H.M. Rezk, D. O'Regan, R.P. Agarwal, A variety of inverse hilbert type inequalities on time scales, Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis 24 (5) (2017), 347-373.

2016

- 1-S. H. Saker, R. R. Mahmoud and A. Peterson, Some Bennett-Copson type inequalities on Time Scales, J. Math. Ineq. Volume 10, Number 2 (2016), 471--489.
- 2-S. H. Saker, R. R. Mahmoud and A. Peterson, Weighted Hardy-type inequalities on Time Scales with Applications, Mediterranean Journal of Mathematics April 2016, Volume 13, Issue 2, pp 585-606.
- 3-S. H. Saker and R. Mahmoud, Distrubition of zeros of sublinear dynamic equation with a damping term on time scales, Hacettepe Journal of Mathematics and Statistics Volume 45 (2) (2016), 455 -- 471.
- 4-S. H. Saker, D. O'Regan, Hardy and Littlewood inequalities on Time Scales, Bulletin of the Malaysian Mathematical Sciences Society April 2016, Volume 39, Issue 2, pp 527-543.

5-S. H. Saker, and I. Kubiacyk, Distribution of zeros and disconjugacy of fourth order differential equations, Math. Nach. 289, No. 1, 97--115 (2016).

6-S. H. Saker and M. Bohner, Sneak-out principle on time scales, J. Math. Ineq. Volume 10, Number 2 (2016), 393--403.

7-Safi. S. Rabie, S. H. Saker, D. O'Regan and R. P. Agarwal, New Multiplicative Higher Order Dynamic Inequalities of Opial Type, Math. Ineq. Appl. Volume 19, Number 1 (2016), 33--49.

8-R. P. Agarwal, M. Bohner, D. O'Regan, M. Osman and , S. H. Saker, A General Dynamic Inequality of Opial Type, Apl. Math. Inf. Sci. 10 (2016), 1-5.

9- Safi. S. Rabie, S. H. Saker, D. O'Regan and R. P. Agarwal, Opial-Type Inequalities with Two Unknowns and two Functions on Time Scales, Vietnam J. Math. Volume 44, Issue 3, 1 September 2016, Pages 541-555

10- H. Khalil, R. A. Khan, D. Baleanu, and S. H. Saker, Approximate solution of linear and nonlinear fractional differential equations under m-point local and nonlocal boundary conditions, Advances in Difference Equations, Volume 2016, Issue 1, 1 December 2016, Article number 177.

2015

1-S. H. Saker, D. O'Regan, Extensions of dynamic inequalities of Hardy's type on time scales, Mathematica Slovaca 65 (2015), No. 5, 1--20.

2-S. H. Saker, D. O'Regan and R. P. Agarwal, Some new Dynamic Inequalities on Discrete Time Scales, Dynamic Systems and Applications 24 (2015) 113-128.

3-S. H. Saker, D. O'Regan and R. P. Agarwal, Littlewood and Bennett Inequalities on time scales, Mediterranean Journal of Mathematics 12 (2015), no. 3, 605---619.

4- S. H. Saker, R.R. Mahmoud, A. Peterson, A new Picone's dynamic inequality on time scales with applications, Appl. Math. Letter Volume 48, 27 April 2015, Pages 162-169

5-M. J. Bohner, Ramy. R. Mahmoud and S. H. Saker, Improvements of dynamic Opial-type inequalities and applications, Dynamic Syst. Appl. 24 (2015). 229-242.

6-S. H. Saker, D. O'Regan, Hardy's Type Integral Inequalities on Time Scales, Appl. Math. Inf. Sci. 9 No.6 (2015), 1-8.

7-S. H. Saker, D. O'Regan and R. P. Agarwal, Hardy type inequalities via Opial inequalities, Advances of Dyn. Sys. Appl. 10 (2015), 1-9.

8-S. H. Saker, D. O'Regan and R. P. Agarwal, Converses of Copson's inequalities on time scales, Math. Ineq. Appl. Volume 18, Number 1 (2015), 241--254.

9-R. P. Agarwal, M. Bohner and S. H. Saker, Dynamic Littlewood-Type Inequalities, Proceeding of American Math. Soc. 143 (2015), 667-677.

10-S. H. Saker and Mohamed A. Alrahet, Distributions of Zeros of Solutions for Third Order Differential Equations with Variable Coefficients, Mathematical Problems in Engineering, Volume 2015 (2015), Article ID 158460, 9 pages.

11- Martin J. Bohner, Ramy R. Mahmoud, and Samir H. Saker, Discrete, Continuous, Delta, Nabla, and Diamond-Alpha Opial Inequalities, Math. Ineq. App. 07/2015; 18(3):923-940.

12-S. H. Saker and M. M. Osman and D. O'Regan and R. P. Agarwal, Some New Opial Dynamic Inequalities with Weighted Functions on Time Scales, Math. Ineq. Appl. 3 (2015), 1171--1187.

13-J. Graef, E. Tunc, R. Mahmoud and Samir H. Saker, Some New Lyapunov-type Inequalities for Third Order Differential Equations, Communications on Applied Nonlinear Analysis Volume 22(2015), Number 2, 1 - 16.

14-Cemil Tunç, Mouffak Benchohra, Bingwen Liu, Muhammad N. Islam, and Samir H. Saker, Qualitative Theory of Functional Differential and Integral Equations, Volume 2015 (2015), Article ID 515162, 2 pages.

2014

1-S. H. Saker, D. O'Regan and R. P. Agarwal, Dynamic Inequalities of Hardy and Copson types on Time Scales, Analysis: International mathematical journal of analysis and its applications. 34 (4) (2014), 391-402.

2-S. H. Saker, R. P. Agarwal, D O'Regan, Higher order dynamic inequalities on time scales, Math. Ineq. Appl. 17 (2014), 461-472.

3-S. H. Saker, J. Garef, A New Class of Dynamic Inequalities of Hardy's type on Time Scales, Dynamic Systems and Applications 23 (2014), 83-100.

4-S. H. Saker, Hardy-Leindler type inequalities on Time Scales, Appl. Math. Infor. Sci. 8 (2014) 2957-2981.

5-S. H. Saker, Some new disconjugacy criteria for second order differential equations with a middle term, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie 57 (2014), 109-120.

6-S. H. Saker, D. O'Regan and R. P. Agarwal, Generalized Hardy, Copson, Leindler and Bennett inequalities on Time Scales, Math. Nachr. Volume 287, Issue 5-6, (2014) pages 686--698,

7-A Sikorska-Nowak, S. H. Saker, Weak solutions for the dynamic equations $x^{\Delta(m)}(t) = f(t; x(t))$ on time scales, Electron. J. Qual. Theory Differ. Eqns 2014 (No. 21), 1-13

8-S. H. Saker, D. O'Regan, Distribution of Zeros of solutions of Self-adjoint fourth order differential equations, Egyptian J. Basic Appl. Sciences Volume 1, Issue 1, 2014, Pages 49--59

9-S. H. Saker, D. O'Regan and R. P. Agarwal, Some Dynamic Inequalities of Hardy's type on Time Scales, Math. Ineq. Appl. Volume 17, Number 3 (2014), 1183--1199.

10-Tongxing Li, S. H. Saker, A note on oscillation criteria for second-order neutral dynamic equations on isolated time scales, Communications in Nonlinear Science and Numerical Simulation, 19 (2014), Pages 4185--4188.

2013

1-S. H. Saker, Applications of Opial inequalities on time scales on dynamic equations with damping terms, Mathematical and Computer Modelling 58 (2013) (11-12), 1777-1790.

2-S. H. Saker, D. O'Regan and R. P. Agarwal, Properties of Solutions of Fourth Order Differential Equations With Boundary Conditions, Journal of Inequalities and Applications 2013 (1), 278-

3-D. Anderson and S. H. Saker, Oscillation of second-order nonlinear dynamic equations with forced term, Science in China Series A. 56 (2013), pp. 561-576.

4-S. H. Saker, J. Garef, Oscillation theory of third-Order Nonlinear Functional Differential Equations, Hiroshima Math. Journal 43 (1) (2013), 49-72.

5-Kubiacyk, S. H. Saker and Aneta, Oscillation Criteria of Second-Order Nonlinear Neutral Functional Dynamic Equations on Time Scales, Mathematica Slovaca 63 (2013), No. 2, 263-290.

6-Chenghui Zhang, Samir H Saker, Tongxing Li, Oscillation of third-order neutral dynamic equations on time scales, Dynamics of Continuous, Discrete and Impulsive Systems, Series B: Applications & Algor. 20 (2013), 333-358.

7-Chenghui Zhang, Tongxing Li, and S. H. Saker: Oscillation of fourth-order delay differential equations, Nonlinear Oscillations, 16 (2013), No. 3, pp. 322-335.

2012

1-S. H. Saker, New inequalities of Opial's type on time scales and some of their applications, Discrete Dynamics in Nature and Society 2012, art. no. 362526.

2-S. H. Saker, Opial's type inequalities on time scales and some applications, Annales Polonici Mathematici 104 (2012), pp. 243-260.

3-S. H. Saker , Dynamic inequalities on time scales: A Survey, Journal of Fractional Calculus and Applications, Vol. 3(S). July, 11, 2012 (Proc. of the 4th. Symb. of Fractional Calculus and Applications), No. 2, pp. 1-36.

4-S. H. Saker, R. P. Agarwal, D O'Regan, Gaps between zeros of second-order half-linear differential equations, Applied Mathematics and Computation 219 (2012) , pp. 875-885.

5-S. H. Saker, Some Opial dynamic inequalities involving higher order derivatives on time scales, Discrete Dynamics in Nature and Society (2012), art. no. 157301.

6-S. H. Saker, Lyapunov type inequalities for a second order differential equation with a damping term, Annales Polonici Mathematici 103 (2012), pp. 37-57.

7-S. H. Saker, Lyapunov's type inequalities for fourth-order differential equations, Abstract and Applied Analysis 2012, art. no. 795825.

8-S. H. Saker, Some new inequalities of Opial's type on time scales, Abstract and Applied Analysis 2012, art. no. 683136.

9-S. H. Saker and Donal O'Regan, New oscillation criteria for second-order nonlinear neutral functional dynamic equations on time scales via Riccati substitution, Hiroshima J. Math. 42 (2012), 77-98.

10-J. Graef and S. H. Saker, Oscillation of third-order nonlinear neutral functional dynamic equations, Dynamic Systems and Applications 21 (2012) 583-606.

11-S. H. Saker, Oscillation of a certain class of third order nonlinear difference equations, Bulletin of the Malaysian Mathematical Sciences Society 35 (2012), pp. 651-669.

12-Said R. Grace and S. H. Saker, Oscillation Criteria for Quasi-Linear Functional Dynamic Equations on Time Scales, Mathematica Slovaca 62 (2012) , pp. 501-524.

13- S. H. Saker, R. P. Agarwal and D O'Regan, New gaps between zeros of fourth-order differential equations via Opial inequalities, *Journal of Inequalities and Applications* 2012, 2012:182

2011

1-G. Zaman, S. H. Saker, Dynamics and control of a system of two non-interacting preys with common predator, *Mathematical Methods in the Applied Sciences* 34 (2011) , pp. 2259-2273

2-S. H. Saker, Nonlinear dynamic inequalities of Gronwall-bellman type on time scales, *Electronic Journal of Qualitative Theory of Differential Equations*, 2011, No. 86, 1-26.

3-S. H. Saker, Bounds of double integral dynamic inequalities in two independent variables on time scales, *Discrete Dynamics in Nature and Society* 2011, art. no. 732164

4-S. H. Saker, Applications of Opial and Wirtinger inequalities on zeros of third order differential equations, *Dynamic Systems and Applications* 20 (2011) , pp. 479-494.

5-Agarwal, R.P., Bohner, M., O'Regan, D. S. H. Saker, Some dynamic Wirtinger-type inequalities and their applications, *Pacific Journal of Mathematics* 252 (2011), pp. 1-18

6-E- Braverman, S. H. Saker, On a difference equation with exponentially decreasing nonlinearity, *Discrete Dynamics in Nature and Society* 2011, art. no. 147926

7-S. H. Saker, Some Opial-type inequalities on time scales, *Abstract and Applied Analysis* 2011 , art. no. 265316.

8-S. H. Saker, Some nonlinear dynamic inequalities on time scales, *Mathematical Inequalities and Applications* 14 (2011) , pp. 633-645.

9-S. H. Saker, On the global stability conjecture of the genotype selection model, *Acta Mathematica Scientia* 31 (2011), pp. 512-528 .

10-S. H. Saker, New oscillation criteria for third order nonlinear neutral difference equations, *Mathematica Slovaca* 61 (2011), pp. 579-600

11-S. H. Saker, Oscillation criteria for a second-order quasilinear neutral functional dynamic equation on time scales, *Nonlinear Oscillations* 13 (2011) , pp. 407-428

12-S. H. Saker, On oscillation of a certain class of third-order nonlinear functional dynamic equations on time scales, *Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie* 54 (2011) , pp. 365-389.

13-S. H. Saker, Oscillation of third-order functional dynamic equations on time scales, *Science China Mathematics* 54 (2011), pp. 2597-2614.

14-S. H. Saker , D. O'Regan, New oscillation criteria for second-order neutral functional dynamic equations via the generalized Riccati substitution, *Communications in Nonlinear Science and Numerical Simulation* 16 (2011) , pp. 423-434.

15-S. H. Saker, I. Kubiacyk, Asymptotic properties of third order functional dynamic equations on time scales, *Annals Polon. Math.* 100 (2011) , pp. 203-222.

- 1-S. H. Saker, Stability and Hopf bifurcations of nonlinear delay malaria epidemic model, *Nonlinear Anal. RWA.* 11 (2010), 784-799.
- 2-S. H. Saker, Applications of Wirtinger inequalities on the distribution of zeros of the Riemann zeta-function, *Journal of Inequalities and Applications* 2010, art. no. 215416
- 3-S. H. Saker, Some nonlinear dynamic inequalities on time scales and applications, *J. Math. Inequalities* 4 (2010), 561-579.
- 4-S. H. Saker, Global stability and oscillation of discrete population models for annual plants, *Abstarct and Applied Analysis* (2010) , art. no. 156725.
- 5-S. H. Saker, Lyapunov inequalities for half-Linear dynamic equations on time scales and disconjugacy, *Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications & Algorithms* 18 (2010), pp. 149-161.
- 6-S. H. Saker, Compatibility of local and global stability conditions for some discrete population models, *Nonlinear Dynamics* 59, 375--396 (2010).
- 7-S. H. Saker, Response to the rebuttal by Eduardo Liz, *Nonlinear Dynamics* 61 (2010), 861-862.
- 8-E. Braverman, and S. H. Saker, Periodic solutions, and global attractivity of discrete delay host macro-parasite model, *J. Difference Eqns. Appl.* 16, No. 7, July 2010, 789--806.
- 9-E. Braverman, and S. H. Saker, Global attractivity of a multiplicative delay population dynamics model, *Proc. Conference of Difference Eqns Appl. (Lisbon 2007)*, (2010), 194-203.
- 10-S. H. Saker, Some nonlinear dynamic inequalities on time scales, *Math Ineq. Appl.* 14 (2010), pp. 633-645.
- 11-S. H. Saker, Oscillatory behavior of a certain class of second-order nonlinear perturbed dynamic equations on time scales, *J. Korean Math. Soc.* 47 (2010), No. 4, pp. 659--674.
- 12-S. H. Saker, Oscillation of second-order functional dynamic equations of Emden-Fowler-type on time scales, *J. Appl. Math. Information* 28 (2010), 1285-1304.
- 13-S. H. Saker, Oscillation criteria of second-order nonlinear neutral functional dynamic equations on time scales, *Nonlinear Functional Analysis & Appl.* 15 (2010), No. 3, 435-458.
- 14-S. H. Saker, Oscillation criteria for second-order quasilinear neutral functional dynamic equation on time scales, *Nonlinear Oscillations*, vol. 13 (2010), No. 3, pp. 379-399.
- 15-S. H. Saker, New oscillation criteria for third order nonlinear neutral difference equations, *Math. Slovaca* 61 (2010), pp. 579-600
- 16-S. H. Saker and J. Džurina, On the oscillation of certain class of third-order nonlinear delay differential equations, *Math. Bohemica* 135, No. 3, (2010), 225-237.
- 17-S. H. Saker, J. O. Alzabut, Oscillatory behavior of third order nonlinear difference equations with delayed argument, *Dyn. Cont. Discrete. Impul. Sys. Series A17* (2010) , pp. 707-723

18-L. Erbe, A. Peterson, T. S. Hassan and S. H. Saker, Interval oscillation criteria for forced second-order nonlinear delay dynamic equations with oscillatory potential, *Dynamics of Cont. and Discrete Impul. Sys, A* 17 (2010) , pp. 533-542

19- J. Graef and S. H. Saker, New oscillation criteria for a generalized second-order nonlinear neutral functional differential equations, *Dynamic Systems and Applications* 19 (2010), 455-472.

20-S. H. Saker, Alzabut, J.O., Mukheimer, A., On the oscillatory behavior for a certain class of third order nonlinear delay difference equations, *Electronic Journal of Qualitative Theory of Differential Equations* 2010, pp. 1-16.

2009

1-S. H. Saker and J. Alzabut, On impulsive delay hematopoiesis model with periodic coefficients, *Rocky Mount. J. Math.* 39 (2009), 1657-1688.

2- S. H. Saker, Oscillation criteria for a certain class of second-order neutral delay dynamic equations, *Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications & Algorithms*, 16, No. 3, 433-452 (2009).

3-S. H. Saker, Hille and Nehari types oscillation criteria for second-order neutral delay dynamic equations, *Dyn. Cont. Disc. Imp. Sys. Series B: Applications & Algorithms*, 16, No. 3, 349-360 (2009). 1201-3390.

4-L. Erbe, A. Peterson, T. S. Hassan and S. H. Saker, Oscillation criteria for half-linear delay dynamic equations on time scales, *Nonlinear Dynamics & System Theory* 9 (1) (2009). 51-68.

2008

1-S. H. Saker, Qualitative analysis of discrete nonlinear delay survival red blood cells model, *Nonlinear Analysis, Real world Phenomena* 9 (2008), 471-489.

2-S. H. Saker, Periodic Solutions, Oscillation and attractivity of discrete nonlinear delay population model, *Mathl. Comp. Modeling* 47 (2008), 278-297.

3-E. Braverman, and S. H. Saker, On the Cushing--Henson conjecture, delay difference equations and attenuate cycles, *J. Diff. Eqns. Appl.* 14 (2008), 275-286.

4-S. H. Saker, Oscillation theorems for second-order nonlinear neutral delay dynamic equations on time scales, *Inter. J. Appl. Math. Stat.* 3 (2008), 22-35.

5-S. H. Saker, On oscillation of second-order delay dynamic equations on time scales, *Australian J. Mathl. Anal. & Appl.* 5 (2008), 1-14.

6-R. P. Agarwal, D. O'Regan and S. H. Saker, Oscillation theorems for second-order nonlinear neutral delay dynamic equations on time scales, *Acta Math. Sinica* 24 (2008), 1409-1432.

7-L. Erbe, A. Peterson, T. S. Hassan and S. H. Saker, Oscillation criteria for sublinear half-linear delay dynamic equations, *Internt. J. Diff. Eqns & Appl.* 3 (2008), 227-245.

8-E. M. Elabbasy H. N. Agiza, and S. H. Saker, Global existence of positive periodic solutions of two-dimensional logistic model for the interaction of demand and supply, *Mansoura J. Mathematics* Vol. 32, No. 1.

9-S. H. Saker, Oscillation of superlinear and sublinear neutral delay dynamic equations, *Comm. Appl. Anal.* 12 (2008), 173-188.

10-S. H. Saker, Oscillation of second-order delay perturbed dynamic equations on time scales, *Comm. Appl. Anal.* 12 (2008), 209-220.

11-S. H. Saker and P. J. Y. Wong, Oscillation and asymptotic behavior of perturbed nonlinear difference equations, *Indian J. Pure Appl. Math.* 39 (2008), 105-122.

12-R. P. Agarwal, D. O'Regan and S. H. Saker, Oscillation and global attractivity in a delay periodic host macroparasite model, *Appl. Math. Comp.* 196 (2008), 340-352.

13-L. Erbe, A. Peterson and S. H. Saker, Oscillation criteria for a forced second order nonlinear dynamic equation, *J. Diff. Eqns. Appl.* 14 (2008), 997-1009.

14-B. Baculikova, E. M. Elabbasy, S. H. Saker, J. Ďzurina, Oscillation Criteria for Third-Order Nonlinear Differential Equations, *Math. Slovaca* 58 (2008), 201-220.

2007

1-S. H. Saker and J. Alzabut, Periodic Solutions, Global attractivity and oscillation of impulsive delay host macroparasite model, *Mathl. Comp. Modeling* 45 (2007) 531--543.

2-S. H. Saker and J. Alzabut, Existence of periodic solutions, global attractivity and oscillation of impulsive delay population model, *Nonlinear Analysis, Real world Phenomena* Volume 8, Issue 4, September 2007, Pages 1029-1039.

3-E. M. Elabbasy, S. H. Saker and H. EL-Metwally, Oscillation and stability of nonlinear discrete models exhibiting the Allee effect, *Mathematica Slovaca* 57 (2007), 243-258.

4-E. Braverman, and S. H. Saker, Permanence, oscillation and attractivity of the discrete hematopoiesis model with ariable coefficients, *Nonlinear Anal. Ther. Meth. Appl.* 67 (2007), 2955-2965.

5-S. H. Saker, Oscillation of second-order delay and neutral delay dynamic equations on time scales, *Dyn. Sys. Appl.* 16 (2007), 345-360.

6-S. H. Saker, Oscillation criteria of Hille and Nehari types for third-order delay differential equations, *Comm. Appl. Anal.* 11 (2007), 451-468.

7-R. P. Agarwal, D. O'Regan and S. H. Saker, Philos-type oscillation criteria of second-order half-linear dynamic equations on time scales, *Rocky Mount. J. Math.* 37 (2007), 1085-1104.

8-R. P. Agarwal, D. O'Regan and S. H. Saker, Oscillation results for second-order nonlinear neutral delay dynamic equations on time scales, *Appl. Anal. Vol.* 86, No. 1, January 2007, 1--17.

9-R. P. Agarwal, D. O'Regan and S. H. Saker, Oscillation of second-order damped dynamic equations on time scales, *J. Math. Anal. Appl.* Volume 330, Issue 2, 15 June 2007, Pages 1317-1337

10-L. Erbe, A. Peterson and S. H. Saker, Oscillation criteria for second-order nonlinear delay dynamic equations, *J. Math. Anal. Appl.* 333 (2007), 505-522.

11-E. Akin-Bohner, M. Bohner and S. H. Saker, Oscillation for certain of class of second order Emden-Fowler dynamic equations, *Electr. Transaction Numerical Anal.* 27 (2007), 1-12.

12-Y. G. Sun and S. H. Saker, Forced oscillation of higher-order nonlinear difference equations, *Appl. Math. Comp.* 187 (2007), 868-872.

13-S. H. Saker, Oscillatory behavior of linear neutral delay dynamic equations on time scales, Kyungpook Math. Journal 47 (2007), 175-190.

14-S. H. Saker, Oscillation and attractivity of discrete nonlinear delay population model, J. Appl. Math. Computing 25 (2007), 363-374.

15-S. H. Saker and B. G. Zhang, Oscillation of second-order nonlinear delay damped difference equations, Acta Mathematica Sinica 23, no.4 (2007), 715-722.

16- L. Erbe, A. Peterson and S. H. Saker, Hille and Nehari type criteria for third-order dynamic equations, J. Math. Anal. Appl. 329 (2007) 112--131.

17-E. M. Elabbasy, T. S. Hassan, S. H. Saker, Oscillation and nonoscillation of nonlinear neutral delay differential equations with several positive and negative coefficients, Kyungpook Mathematical Journal J. 47 (2007), 1-20.

2006

1-S. H. Saker and Y. G. Sun, Positive periodic solution of discrete three-level food-chain model of Holling type II, Appl. Math. Comp. 180, Issue 1, 1 (2006) 353-365.

2-Y. G. Sun and S. H. Saker, On the oscillation of second-order perturbed nonlinear difference equations, Dyn. Sys. Appl. 15 (2006), 537-548.

3-S. H. Saker, Oscillation of second-order nonlinear neutral delay dynamic equations on time scales, J. Comp. Appl. Math. 187 (2006), 123-141.

4-R. P. Agarwal, D. O'Regan and S. H. Saker, Oscillation criteria for nonlinear perturbed dynamic equations of second-order on time scales, Journal of Applied Mathematics and Computing 20 (2006), no. 1-2, 133-147.

5-M. Bohner and S. H. Saker, Oscillation of second-order half-linear dynamic equations on discrete time scales, Inter. J. of Difference Eqns. Dyn. Sys. Volume 1 Number 2 (2006), 205--218.

6-L. Erbe, A. Peterson and S. H. Saker, Hille-Kneser type criteria for second-order dynamic equations on time scales, Advances in Difference Eqns. 2006 (2006), 1-18.

7-Y. G. Sun and S. H. Saker, Forced Oscillation of higher order nonlinear differential equations, Appl. Math. Comp. 173 (2006), 1219-1226.

8-S. H. Saker, Oscillation of second-order neutral delay dynamic equations of Emden-Fowler type, Dynamic Sys. Appl. 15 (2006), 629-644.

9-S. H. Saker, Oscillation criteria of third-order nonlinear delay differential equations, Math. Slovaca 56 (4) (2006), 433-450.

10-S. H. Saker, Oscillation and asymptotic behavior of third-order nonlinear neutral difference equations, Dynamic Systems & Applications 15 (2006), 549-568.

11-S. H. Saker, New oscillation criteria for second-order nonlinear dynamic equations on time scales, Nonlinear Fun. Anal. Appl. 11 (3) (2006), 351-370.

12-S. H. Saker, Boundedness of solutions of second-order forced nonlinear dynamic equations, Rocky Mountain. J. Math 36 (6) (2006), 2027-2039.

12-R. P. Agarwal, D. O'Regan and S. H. Saker, Properties of bounded solutions of nonlinear dynamic equations on time scales, Canadian Appl. Math. 14 (2006), no. 1, 1-10.

13-M. Bohner and S. H. Saker, Oscillation of damped second order nonlinear delay differential equations of Emden-Fowler type, *Advances in Dynamical Systems and Applications* 1, No.2 (2006), 43-61.

14-L. Erbe, A. Peterson and S. H. Saker, Oscillation and asymptotic behavior of a third-order nonlinear dynamic equation, *Canadian Appl. Math. Quart.* 14 (2), (2006), 124-147.

15-L. Erbe, A. Peterson and S. H. Saker, Kamenev-type oscillation criteria for second-order linear delay dynamic equations, *Dynamic Syst. & Appl.* 15 (2006), 65-78.

16-E. M. Elabbasy, T. S. Hassan, S. H. Saker, Oscillation of nonlinear neutral delay differential Equations, *Journal of Applied Mathematics and Computing*, 21 (2006), Issue 1-2, pp 99-118.

2005

1-E. M. Elabbasy and S. H. Saker, Periodic solutions and oscillation of discrete nonlinear delay population dynamics model with external force, *IMA J. Appl. Math.* (2005), 1-15.

2-S. H. Saker, Oscillation and global attractivity of impulsive periodic delay respiratory dynamics model, *Chinese Annals of Math.* 26 B (2005), 511-522.

3-S. H. Saker, Existence of positive periodic solutions of discrete model for the interaction of demand and supply, *Nonlinear Functional Analysis and Applications*, 10 (2005), no. 2, 311-324.

4-E. M. Elabbasy, S. H. Saker, Dynamics of a class of non-autonomous systems of two non-interacting preys with common predator, *J. Appl. Math. Computing* 17 (2005), no. 1-2, 195-215.

5-M. F. Elettrey, S.H. Saker and E. Ahmed, On multi-team predator-prey models, *ICTP Reports*, IC 2005.

6-S. H. Saker and Y. G. Sun, Oscillatory and asymptotic behavior of positive periodic solutions of nonlinear discrete model exhibiting the Allee effect, *Appl. Math. Comp.* 168 (2005), 1205-1218.

7-S. H. Saker and Y. G. Sun, Existence of positive periodic solutions of nonlinear discrete model exhibiting the Allee effect, *Appl. Math. Comp.* 168 (2005), 1086-1097.

8-S. H. Saker and S. Agarwal, Oscillation and global attractivity of a periodic survival red blood cells model, *Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications & Algorithms* 12 (2005), no. 3-4, 429-440.

9-E. M. Elabbasy, T. S. Hassan, S. H. Saker, Oscillation criteria for first-order nonlinear neutral delay differential equations, *EJDE Vol. 2005* (2005), No. 134, pp. 1-18.

10-Y. G. Sun and S. H. Saker, Oscillation for second-order nonlinear neutral delay difference equations, *Appl. Math. Comp.* 163 (2005) 909-918.

11-S. H. Saker, Oscillation of second-order forced nonlinear dynamic equations on time scales, *E. Journal of Qualitative Theory Differential Equations* No. 23 (2005), 1-17.

12-S. H. Saker, Oscillation of continuous and discrete diffusive delay Nicholson's Blowflies models, *Appl. Math. Comp.* 167 (2005), 179-197.

13-S. H. Saker, Oscillation criteria of second-order half-linear delay difference equations, Kyungpook Math. J. 45 No. 4 (2005) 579-594.

14-S. H. Saker, Oscillation criteria of second-order half-linear dynamic equations on time scales, J. Comp. Appl. Math. 177 (2005), 375-387.

15-R. Agarwal, M. Bohner and S. H. Saker, Oscillation criteria for second order delay dynamic equation, Canadian Applied Mathematics Quarterly 13 (2005), 1-19.

16-L. Erbe, A. Peterson and S. H. Saker, Asymptotic behavior of solutions of a third-order nonlinear dynamic equation on time scales, J. Comp. Appl. Math. 181, No. 1 (2005), 92-102.

17-E. M. Elabbasy, T. S. Hassan, S. H. Saker, Oscillation of second-order nonlinear differential equations with a damping term, EJDE Vol. 2005 (2005), No. 76, pp. 1-13.

16-E. M. Elabbasy, T. S. Hassan, S. H. Saker, Necessary and sufficient conditions for oscillation of neutral differential equation, Serdica Math. J. 31 (2005), 1001-1012.

2004

1-S. H. Saker, Oscillation of third-order difference equations, Portugaliae Mathematica 61 (2004), 249-257.

2-S. H. Saker, Oscillation of parabolic neutral delay difference equations, Bull. Korean Math. Soc. 41 (2004), no. 4, 619-632.

3-S. H. Saker, Oscillation of nonlinear dynamic equations on time scales, Appl. Math. Comp. 148 (2004), 81-91.

4-S. H. Saker and S. S. Cheng, Oscillation criteria for difference equations with damping terms, Appl. Math. Comp. 148 (2004), 421-442.

5-S. H. Saker and S. S. Cheng, Kamenev type oscillation criteria for nonlinear difference equations, Czechoslovak Math. J. 54 (2004) 955 -- 967.

6- S. H. Saker and J. V. Manojlovic, Oscillation criteria for second order Superlinear neutral delay differential equations, EJQTDE. 10 (2004), 1-22.

7-R. P. Agarwal, D. O'Regan and S. H. Saker, Oscillation criteria for second-order nonlinear neutral delay dynamic equations, Journal of Math. Anal. Appl. 300 (2004), 203-217.

8-M. Bohner and S. H. Saker, Oscillation of second order nonlinear dynamic equations on time scales, Rocky Mountain J. Math. 34, no. 4 (2004), 1239-1254.

9-M. Bohner and S. H. Saker, Oscillation criteria for perturbed nonlinear dynamic equations, Mathl. Comp. Modeling 40 (2004), 3-4, 249 -- 260.

10-I. Kubiacyk and S. H. Saker, Oscillation and asymptotic behavior of second-order nonlinear difference equations, Fasc. Math. No. 34 (2004), 39-54.

2003

1-S. H. Saker, Oscillation and global attractivity of Hematopoiesis model with delay time, Applied Math. Comp. 136 (2003), no.2-3, 27-36.

2-I. Kubiacyk and S. H. Saker, Oscillation and global attractivity of discrete survival red blood cells model, Applicationes Mathematicae 30 (2003), 441-449.

- 3-S. H. Saker, Oscillation and global attractivity in hematopoiesis model with periodic coefficients, *Appl. Math. Comp.* 142 (2-3) (2003), 477-494.
- 4-S. H. Saker, Oscillation and global attractivity in a periodic delay hematopoiesis model, *J. Appl. Math. Computing* 13, (2003), 287-300.
- 5-B. G. Zhang and S. H. Saker, Oscillation in a discrete partial delay survival red blood cells model, *Mathl. Comp. Modeling* 37 (2003), 659-664.
- 6-S. H. Saker, Kamenev-type oscillation criteria for hyperbolic nonlinear neutral delay difference equations, *Nonlinear Studies* 10 (2003), 221-236.
- 7-I. Kubiacyk, S. H. Saker, J. Morchalo, Kamenev-type oscillation criteria for sublinear delay difference equations, *Indian J. Pure Appl. Math.* 34 (2003), 273-1284.
- 8-I. Kubiacyk and S. H. Saker, Oscillation theorems for discrete nonlinear delay wave equations, *Z. Angew. Math. Mech.* 2003, 83, No. 12, 812-819, (*J. Applied Mathematics and Mechanics*), (ZAMM).
- 9-I. Kubiacyk and S. H. Saker, Kamenev-type oscillation criteria for hyperbolic nonlinear delay difference equations, *Demonstratio Math.* 36, no. 1 (2003), 113-122.
- 10-W. T. Li and S. H. Saker, Oscillation of second-order sublinear neutral delay difference equations, *Appl. Math. Comp.* 146 (2003), 543-551
- 11-S. H. Saker, P.Y.H. Pang and Ravi P Agarwal, Oscillation theorems for second order nonlinear functional differential equations with damping, *Dynamic Sys. Appl.* 12 (2003), 307-322.
- 12-S. H. Saker, Oscillation theorems of nonlinear difference equations of second order, *Georgian Mathematical J.* 10, no.2 (2003), 343-352.
- 13-S. H. Saker, Oscillation theorems for second-order nonlinear delay difference equations, *Periodica Math. Hungarica* 47 (2003), 201-213.
- 14-S. H. Saker, Oscillation of solutions of a pair of coupled nonlinear delay differential equations, *Portugaliae Mathematica* 60 (2003), 319-336.
- 15-S. H. Saker, Oscillation of second-order perturbed nonlinear difference equations, *Appl. Math. Comp.* 144 (2-3) (2003), 305-324.
- 16-S. H. Saker, Oscillation of second order nonlinear delay difference equations, *Bulletin of the Korean Math. Soc.* 40 (2003), 489-501.
- 17-S. H. Saker, Oscillation of second order neutral delay differential equations of Emden-Fowler type, *Acta Math. Hungarica* 100, no.1-2 (2003), 7-32.
- 18-S. H. Saker, Oscillation of parabolic neutral delay difference equations with several positive and negative coefficients, *Appl. Math. Comp.* 143 (1), (2003), 173-186.
- 19-S. H. Saker, Oscillation of hyperbolic nonlinear differential equations with deviating arguments, *Publ. Math. Debr.* 62 (2003), 165-185.
- 20-S. H. Saker, New oscillation criteria for second-order nonlinear neutral delay difference equations, *Appl. Math. Comp.* 142 (2003), 99-111.
- 21-S. H. Saker and P. J. Y. Wong, Nonexistence of unbounded nonoscillatory solutions of nonlinear perturbed partial difference equations, *J. Concrete and Applicable Math.* 1 (1) (2003), 87-99.
- 22-L. Erbe, A. Peterson and S. H. Saker, Oscillation criteria for second-order nonlinear dynamic equations on time scales. *J. London Math. Soc.* 76 (2003), 701-714.

23-I. Kubiacyk, W. T. Li and S. H. Saker, Oscillation of higher order delay differential equations with applications to hyperbolic equations, *Indian J. Pure & Appl. Math.* 34 (2003), 1259-1271.

24-I. Kubiacyk and S. H. Saker and J. Morhalo, New oscillation criteria for nonlinear neutral delay differential equations, *Appl. Math. Comp.* 142 (2-3)(2003), 225-242.

25-E. M. Elabbasy and S. H. Saker, Oscillation of delay differential equations with several positive and negative coefficients, *Disc. Math. Differential Inclusion*, 23 (2003) 39-52.

26-B. G. Zhang and S. H. Saker, Kamenev-type oscillation criteria for nonlinear neutral delay difference equations, *Indian J. Pure Appl. Math* 34 (2003), 1571-1584.

2002

1-S. H. Saker and S. Agarwal, Oscillation and global attractivity in a periodic Nicholson's Blowflies model, *Mathl. Comp. Modelling* 35 (2002), 719-731.

2-S. H. Saker and S. Agarwal, Oscillation and global attractivity in a nonlinear delay periodic model of Respiratory Dynamics, *Comp. Math. Appl.* 44 (2002), 5-6, 623-632.

3-S. H. Saker and S. Agarwal, Oscillation and global attractivity in nonlinear delay periodic model of population dynamics, *Applicable Analysis* 81 (2002), 787 -- 799.

4-S. H. Saker and B. G. Zhang, Oscillation in a discrete partial Nicholson's Blowflies model, *Mathl. Comp. Modelling* 36 (2002), 1021-1026.

5-I. Kubiacyk and S. H. Saker, Oscillation and stability of nonlinear delay differential equations of population dynamics, *Mathematical and Computer Modeling* 35 (2002), 295-301.

6-W. T. Li and S. H. Saker, Oscillation of solutions to impulsive delay differential equations, *Commentationes Mathematicae XLII* (2002), 63-74.

7-S. H. Saker, Oscillation of nonlinear neutral difference equations, *Inter. J. Pure Appl. Math.* vol. 1, no. 4 (2002), 459-470.

8-S. H. Saker, Oscillation of higher order neutral delay differential equations with variable coefficients, *Dynamic Systems & Application* 11 (2002), 107-125.

9-S. H. Saker, Kamenev-type oscillation criteria for forced Emden-Fowler superlinear difference equations, *Elect. J. Diff. Eqns.* 2002 (2002), no. 68, 1-9.

10-I. Kubiacyk, S. H. Saker, Oscillation of solution of neutral delay differential equations, *Math. Slovaca* 52 (2002), no. 3, 343-359.

11-I. Kubiacyk, S. H. Saker, Oscillation of parabolic delay differential equations, *Demonst. Math.* 35, no.4 (2002), 781-792.

12-I. Kubiacyk and S. H. Saker, Oscillation theorems of second order nonlinear neutral delay differential equations, *Disc. Math. Diff. Incl. Cont. Optim.* 22 (2002), 185-212.

13-I. Kubiacyk and S. H. Saker, Oscillation of parabolic delay differential equations with positive and negative coefficients, *Commentationes Mathematicae XLII* (2002), 221-236.

14-I. Kubiacyk and S. H. Saker, Oscillation of delay parabolic differential equations with several coefficients, *J. Comp. Appl. Math.* 147 (2002), no. 2, 263-275.

15-I. Kubiack and S. H. Saker, New oscillation criteria of first order delay differential equations, Demonstr. Math. 35, no.2 (2002), 313-324.

16-S. H. Saker and I. Kubiaczyk, Oscillation of nonlinear neutral delay differential equations, J. Appl. Analysis 8 (2002), no.2, 261-278.

2001

1-W. T. Li and S. H. Saker, Oscillation of nonlinear neutral delay differential equations and applications, Annales Polinici Mathematici 77 (2001), no. 1, 39-51.

2-S. H. Saker and E. M. Elabbasy, Oscillation of first order neutral delay differential equations, Kyungpook Mathematical Journal 41 (2001), 311-321.

3-Ravi P. Agarwal and S. H. Saker, Oscillation of solutions to neutral delay differential equations with positive and negative coefficients, International Journal of Differential Equations and Applications 2 (2001), 449-465.

2000

1- E. M. Elabbasy, S. H. Saker and K. Saif, Oscillation in Host Macroparasite model with delay time, Far East Journal of Applied Mathematics 4, no. 2, (2000), 119-142.

2-M. Elabbasy, A. S. Hegazi and S. H. Saker, Oscillation of solutions to delay differential equations with positive and negative coefficients, Electronic Journal of Differential Equations 2000, No. 13 (2000), 1-13.

1999

1-E. M. Elabbasy, S. H. Saker and K. Saif, Oscillation of nonlinear delay differential equations with application to models exhibiting the Allee effect, Far East Journal of Mathematical Sciences 1, no. 4 (1999), 603-620.

2-E. M. Elabbasy and S. H. Saker, Oscillation of nonlinear delay differential equations with several positive and negative coefficients, Kyungpook Mathematical Journal, Vol. 39 (1999), 366-376.
