

Curriculum vitae



Personal information:

Surname(s) Metwali
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m.metwali0@gmail.com; metwali@amu.edu.pl;
Nationality (-ies) Egyptian
Date of birth 13 / 3 / 1979
Gender Male

Work experience:

6 / 2019 till now Associate Professor of Mathematics at the Dep. of Mathematics, Faculty of Science, Damanhour University, Egypt.
3 / 2014 to 6 / 2019 Lecturer of Mathematics at the Dep. of Mathematics, Faculty of Science, Damanhour University, Egypt.
5 / 2008 to 3 / 2014 Assistant Lecturer at the Dep. of Mathematics, Faculty of Science, Alexandria University, Egypt.
9/ 2007 to 5 / 2008 Demonstrator at the Dep. of Mathematics, Faculty of Science, Alexandria University, Egypt.
6/ 2003 to 9 / 2007 Demonstrator at the Dep. of Mathematics, Faculty of Education, Alexandria University, Egypt.

Administrative Positions

2016 till now Member of the Egyptian Mathematical Society.
10/2014 till 2016 The director of the Unit of Evaluations and Measurement of the Examination at Faculty of Science, Damanhour Univ., Egypt.

Education and training:

01 / 2014 Ph.D. in Mathematics "Differential and Integral Equations" from **A. Mickiewicz University in Poznan, Poland**.
3 / 2008 Master in Pure Mathematics "Function Analysis" from Faculty of Science, **Alex. Univ.**
5 / 2005 B. Sc. in Mathematics, Faculty of Science, **Alexandria University**, Egypt with grade Excellent.
5 / 2001 B. Sc. in Mathematics, Faculty of Education, **Alexandria University**, Egypt with grade very good.

Supervised Theseses (M. Sc)

1. Asmaa El-Shahawy “On the solvability of some nonlinear integral equations”. M.Sc. Fac. Of Science Damanhour University 2017.
2. Eman Abdel Wahab “Solvability of Some integral equations in Banach space.” M.Sc. Fac. Of Science Alex. University 2018.
3. Nagwa Ibrahim “On Solutions of Some Nonlinear Integral Equations in Banach Spaces.” Ph.D. Fac. Of Science, Damanhour University 2017.

II. Scientific work.

- 1) M. Cichoń, M. Metwali, “Monotonic solutions for quadratic integral equations”, *Discussiones Mathematicae Differential Inclusions, Optimization and Control* 31 (2011), 157-171.
- 2) M. Cichoń, M. Metwali, “On quadratic integral equations in Orlicz spaces” *Journal of Mathematical Analysis and Applications* 387 (2012), 419-432.
- 3) M. Cichoń, M. Metwali, “On monotonic integrable solutions for quadratic functional integral equations” *Mediterr. J. Math.* 10 (2013), 909-926.
- 4) M. Metwali, “Solvability of functional quadratic integral equations with perturbation” *Opuscula Mathematica* 33 (2013), 725-739.
- 5) M. Cichoń, M. Metwali, On Solutions of Quadratic Integral Equations in Orlicz Spaces, *Mediterr. J. Math.* 12 (2015), 901–920.
- 6) M. Cichoń, M. Metwali" Existence of monotonic L_φ -solutions for quadratic Volterra functional-integral equations", *Electronic Journal of Qualitative Theory of Differential Equations* 13 (2015), 1–16.
- 7) M. Metwali, "On a class of quadratic Uryshon-Hammerstein integral equations of mixed-type and initial value problem of fractional order", *Mediterr. J. Math.* 13 (2016), 2691–2707.
- 8) M. Cichoń, M. Metwali, “On a fixed point theorem for the product of operators”, *J. Fixed Point Theory Appl.* 18 (2016) 753 –770.
- 9) M. Cichoń, M. Metwali, “On the existence of solutions for quadratic integral equations in Orlicz spaces, *Math. Slovaca* 66(6), (2016), 1413–1426
- 10) M. Metwali, “On some qualitative properties of integrable solutions for Cauchy-type problem of fractional order” *Journal of Mathematics and applications*, 40 (2017) 121–134.
- 11) K. Cichoń, M. Cichoń, M. Metwali “On some parameters in the space of regulated functions” *Carpathian Jour. Math.* 34(1), (2018), 17-30.
- 12) R. Agarwal, M. Metwali, D. O'Regan “On existence and uniqueness of L_1 solutions for quadratic integral equations via a Krasnoselskii type fixed point theorem,” *Rocky Mountain J. Math.* 48(6), 2018, 1743--1762.
- 13) M. Metwali, “The solvability of functional quadratic Hammerstein-Urysohn integral equations on the half axis”, *Fasciculi Mathematici*, 61, 2018.
- 14) H. Awad, M. Darwish, M. Metwali, “On a cubic integral equation of Urysohn type with linear perturbation of second kind,” *Journal of Mathematics and applications*, 41 (2018).
- 15) K. Cichoń, M. Cichoń, M. Metwali, “On some fixed point theorems on products of spaces” *FILOMAT*. (Submitted 2018).
- 16) M. Darwish, M. Metwali, D. O'Regan, “Unique solvability of fractional quadratic nonlinear integral equations”, *Journal of Integral equations and applications*. (Submitted 2018).
- 17) M. Darwish, M. Metwali, D. O'Regan, “On solvability of quadratic Hammerstein integral equation in Holder spaces”, *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales*. (Submitted 2018).
- 18) H. Awad, M. Darwish, M. Metwali “On q-fractional quadratic integral equation of Fredholm-Volterra type in Banach algebra” (Submitted to *Dynamic system and applications* 2018).

Conferences:

- 1) The School on Algebraic Approach to Differential Equations co-sponsored by ICTP from Abdus Salam International Center for Theoretical Physics (November 2007).
- 2) "Egypt, France Mathematical Conference" (May 3-5, 2010).
- 3) The conference "Function Spaces X" (Poznań, 7-12 July 2012), Poland.
- 4) I had participated in the "Summer School on Dynamical Systems" in Gdynia, (July 7-18, 2013), Poland.
- 5) The scientific conference "Functional Differential Equations (in the memory of Prof. Z. Kamont)" in Gdańsk (September 2013) Poland.
- 6) The scientific conference WDEA'2013 in Izmir University of Economics (September 2013), Turkey.
- 7) International Conference on Mathematics, Statistics and Information Technology (ICMSIT) at Tanta University, December 20-22, (2016) Egypt.
- 8) The 10th. Symposium of "THE FRACTIONAL CALCULAS AND APPLICATIONS GROUP" (25 July 2018) Faculty of Science – Alexandria University.
- 9) The 11th. Symposium of "THE FRACTIONAL CALCULAS AND APPLICATIONS GROUP" (20 July 2019) Faculty of Science – Alexandria University.

Activities:

- 1) Certificate of Achievement for satisfactory completion of the **thinking skill (p1)** from Faculty and leader ship Development from Faculty and leader ship Development Center (FLDP) **(8-10 May 2007)**.
- 2) Certificate of Achievement for satisfactory completion of the **Effecting Teaching (T1)** from Faculty and leader ship Development Center (FLDP) **(12-15 May 2007)**.
- 3) Certificate of Achievement for satisfactory completion of the **Research Methodology (R1)** from Faculty and leader ship Development Center (FLDP) **(19-22 May 2007)**.
- 4) Certificate of Achievement for satisfactory completion of the **Communication skills (I1)** from Faculty and leader ship Development Center (FLDP) **(22-24 May 2007)**.
- 5) Certificate of Achievement for satisfactory completion of the **Financial Affairs (L1)** from Faculty and leader ship Development Center (FLDP) **(29-31 May 2007)**.
- 6) Certificate of Achievement of completed training course on "**Research Ethics**" from Faculty and leader ship Development Center (FLDP) **(5-6 March 2014)**.
- 7) Certificate of Achievement of completed training course on "**Competitive Research Projects**" from Faculty and leader ship Development Center (FLDP) **(12-13 March 2014)**.
- 8) Certificate of Achievement of completed training course on "**Strategic Planning**" from Faculty and leader ship Development Center (FLDP) **(17-18 March 2014)**.
- 9) Certificate of Achievement of completed training course on "**Time and Meeting Management**" from Faculty and leader ship Development Center (FLDP) **(19-20 March 2014)**.
- 10) Certificate of Achievement of completed training course on "**E-Learning**" from Faculty and leader ship Development Center (FLDP) **(24-25 March 2014)**.
- 11) Certificate of Achievement of completed training course on "**Effective Presentation Skills**" from Faculty and leader ship Development Center (FLDP) Damanhour University **(29-29 May 2018)**.
- 12) Certificate of Achievement of completed training course on "**References research management systems**" from Faculty and leader ship Development Center (FLDP) Damanhour University **(6-7 June 2018)**.

- 13) Certificate of Achievement of completed training course on "**Crisis and Disaster Management**" from Faculty and leader ship Development Center (FLDP) Damanhour University (18-19 July 2018).
- 14) Certificate of Achievement of completed training course on "**University Code of Ethics**" from Faculty and leader ship Development Center (FLDP) Damanhour University (30-31 July 2018).
- 15) Certificate of Achievement of completed training course on "**Adopting an Academic Program**" from Faculty and leader ship Development Center (FLDP) Damanhour University (29-30 August 2018).
- 16) Certificate of Achievement of completed training course on "**Quality standards in the teaching process**" from Faculty and leader ship Development Center (FLDP) Damanhour University (12-13 September 2018).

Research Interests

- Differential Equations, Integral Equations, Functional Equations.
- Set valued analysis and application to optimal Control.
- Time Scale analysis.
- Numerical solutions for (differential, Integral Equations).
- Fractional Calculus.
- Mathematical Biology.

Language:

Mother tongue: Arabic

Other language(s)

English: Fluent, Toefl score 520.

Polish: Little

French: Inscription dans plusieurs cours dans le Centre culturel français d'Alexandrie.

Personal skills:

Computer Experience:

- 1- ICDL Certificate.
- 2- Writing by Latex.
- 3- Excellent user of internet.

References:

- (1) **Prof. Dr. Myczislaw Cichoń**, Department of differential equations, Faculty of Mathematics and computer Science, A. Mickiewicz University in Poznan, Poland.
E-mail: mcichon@amu.edu.pl Cell phone: (0048602807644)
- (2) **Prof. Dr. Mahmoud M. El-Borai Professor of Pure Mathematics**, Department of Mathematics, Faculty of Science, Alexandria University, Egypt. **E-mail: m_m_elborai@yahoo.com**
- (3) **Prof. Dr. Ahmed M. A. El-Sayed Professor of Pure Mathematics**, Department of Mathematics, Faculty of Science, Alexandria University, Egypt.
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