



Jabal-Annuzha,
Amman ,
Jordan

Tel : +96265660279
Mobile₁ : +962795712269
Mobile₂ : +962787749474
E-mail : ajou44@bau.edu.jo
ajou43@gmail.com
ajou42@yahoo.com
ajou41@hotmail.com
BO.Box : Salt 19117, Jordan

Curriculum Vitae

Personal data	<p>Name: <i>Ahmad Mohammad Eshak El-Ajou</i></p> <p>Date & Place of Birth: 24 March. 1972, Amman/Jordan</p> <p>Marital Status: Married.</p> <p>Nationality: Jordanian.</p>
Academic Qualification	<ul style="list-style-type: none">• PhD. in Mathematics, Applied Mathematics:<ul style="list-style-type: none">▪ University: University of Jordan, Amman-Jordan. With Grade Point Average 3.70 of 4 in 2009.▪ Title of Thesis: Modified Homotopy Analysis Method: Application To Linear And Nonlinear Ordinary Differential Equations Of Fractional Order.▪ Supervisor : Prof. Ahmad D. Alawneh, Department of Mathematics, Faculty of Science, University of Jordan, Amman, Jordan.▪ Co-Supervisor: Dr. Zaid M. Odibat, Department of Mathematics, Faculty of Science, Al-Balqa' Applied University, Salt, Jordan.• M.Sc in Mathematics Science from University of Jordan, Amman-Jordan. With Grade Point Average 3.33 of 4 in 2007.• B.Sc. in Mathematics Science from Mu'tah University, Al-Karak - Jordan. With Grade Point Average 81.5 % in Jan. 1994.
Experiences	<ul style="list-style-type: none">• I worked for Wadi Seer College (UNRWA) as lecturer of mathematics from 9/1994-10/2008.• I worked for University of Jordan as lecturer of mathematics part time from 1/2/2007-1/2/2013.• I worked for the Isra Private University as lecturer of mathematics in faculty of science & IT from 9/10/2008 -14/2/2009.• I worked for the Isra Private University as assistant prof. of mathematics in faculty of science & IT from 15/2/2009 -3/10/2009.• I worked for the Zarqa University as assistant prof. of mathematics in mathematics department at faculty of science & IT from 19/9/2009-18/9/2011.• I worked for Al-Balqa' Applied University as lecturer of mathematics in mathematics department at faculty of science from 11/9/2011-26/5/2012.• I work for Al-Balqa' Applied University as assistant prof. of mathematics in mathematics department at faculty of science since 27/5/2012.

Skills and Interests	<ul style="list-style-type: none"> • I work on Microsoft System with what the System contain of its Application like Windows (98/2000/XP), e.g. :Win Word, Excel, Database, Power Point. • I work on Mathematical Software: Mathematica, Maple, Matlab. • Interested in problem solving ,and solution development . • Have ability to learn new techniques in a short period of time.
Courses and Activities	<ul style="list-style-type: none"> • I had successfully completed a One year in-Service Training Course in September 1996 in “professional Training for University Graduate Teachers of Mathematics in the Preparatory Cycle”. Issued by Institute of Education / UNRWA. • I had successfully obtained the certificate of The International Computer Driving License (ICDL). • I obtained a lot of Evaluation Certificates for teaching and development from UNRWA. • I prepared and presented an educational T.V programme for the (A.R.T).
Accepted Papers	<ul style="list-style-type: none"> • O. Abu Arqub, <u>Ahmad El-Ajou</u>, S. Momani, Construct and predict solitary pattern solutions for nonlinear time-fractional dispersive partial differential equations Journal of Computational Physics. In press. • <u>Ahmad El-Ajou</u>, O. Abu Arqub, S. Momani, Approximate analytical solution of the nonlinear fractional KdV–Burgers equation: A new iterative algorithm, Journal of Computational Physics. In press. • M. AL-Smadi, O. Abu Arqub, <u>Ahmad El-Ajou</u>, A numerical iterative method for solving systems of first-order periodic boundary value problems, Journal of Applied Mathematics, In press. • O. Abu Arqub, <u>Ahmad El-Ajou</u>, Z. Zhou, S. Momani, Multiple Solutions of Nonlinear Boundary Value Problems of Fractional Order: A New Analytic Iterative Technique, Entropy 2014, 16, 471-493; doi:10.3390/e16010471. • <u>Ahmad El-Ajou</u>, Numerical solutions of fourth-order, two-point integro-differential equations using reproducing kernel Hilbert space method, Journal of Advanced Research in Applied Mathematics, Vol. 6, Issue. 1, 2014, pp. 80-94. • <u>Ahmad El-Ajou</u>, O. Abu Arqub, Z. Zhou, S. Momani, New results on fractional power series: Theories and Applications, Entropy 2013, 15, 5305-5323; doi:10.3390/e15125305. • O.A. Arqub, <u>Ahmad El-Ajou</u>, S. Momani and N. Shawagfeh, Analytical Solutions of Fuzzy Initial Value Problems by HAM, Applied Mathematics and Information Sciences, 7(5) (2013)1903-1919. • O. Abu Arqub, <u>Ahmad El-Ajou</u>, A. Sami Bataineh, and I. Hashim, A Representation of the Exact Solution of Generalized Lane-Emden Equations Using a New Analytical Method, Abstract and Applied Analysis, Volume 2013, Article ID 378593, 10 pages. • <u>Ahmad El-Ajou</u> and O. A. Arqub, Solving fractional two-point boundary value problems using continuous analytic method, Ain Shams Engineering Journal (Engineering Physics and Mathematics), 4 (2013) 539–547. • O. A. Arqub and <u>Ahmad El-Ajou</u>, Solution of the fractional epidemic model by Homotopy Analysis method, Journal of King Saud University – Science, 25 (2013) 73–81. • <u>Ahmad El-Ajou</u>, O.A. Arqub and S. Momani, Homotopy analysis method for second-order boundary value problems of integro-differential equations, Discrete Dynamics in Nature and Society, Volume 2012 (2012), Article ID 365792, 18 pages.

	<ul style="list-style-type: none"> • <u>Ahmad El-Ajou</u>, Z. Odibat, S. Momani and A. Alawneh, Construction of Analytical Solutions to Fractional Differential Equations Using Homotopy Analysis Method. IAENG International Journal of Applied Mathematics, 40:2, IJAM_40_2_01.
<p>Submitted Papers</p>	<ul style="list-style-type: none"> • <u>Ahmad El-Ajou</u>, O. Abu Arquba, M. Al-Smadi, A general form of the Generalized Taylor's formula with some applications. • <u>Ahmad El-Ajou</u> and O. A. Arqub, A new reliable algorithm for solving a system of pantograph equations.
<p>Presentations</p>	<ul style="list-style-type: none"> • <u>Ahmad El-Ajou</u>, Z. Odibat and A. Alawneh, Approximate solutions to boundary value problems of fractional order by the homotopy analysis method, The Third Conference on Mathematical Sciences, Jordan, (2011). • <u>Ahmad El-Ajou</u>, Zaid Odibat, Ahmad Alawneh, Numerical approximation for population growth model, The Fourth International Workshop on Advanced Computation for Engineering Applications (ACEAO8), Jordan, (2008) 112-117.
<p>Courses Taught at University Level</p>	<ul style="list-style-type: none"> • Calculus I • Calculus II • Calculus III • Ordinary diff. equ. (1) • Ordinary diff. equ. (2) • Partial diff. equ.(1) • Math. for Economics and Businesses • Linear Algebra I • Linear Algebra II • Discrete Mathematics • Probability and Statistic • Abstract Algebra I • Foundations of Math • Mathematical Modeling • Engineering Mathematics (1)