MOHAMMED O. AL-AMR

PERSONAL DATA

Full Name:	Mohammed Omar Shaaban Al-Amr
Birth:	January 29, 1986 in Mosul, Iraq
Current Position:	Assistant Lecturer
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EDUCATION

M.Sc.	In Applied Mathematics, Numerical Analysis, University of Mosul, Iraq, February 2013. Thesis: *On the Numerical Solution of Reaction-Diffusion System with Fast Reversible Reaction.* Supervisor: Asst. Prof. Dr. Ann J. Al-Sawoor. Total Average: 90.472%
B.Sc.	In Mathematics, University of Mosul, Iraq, July 2007. Project: *Finite Difference Methods for Solving Heat Equation.* Supervisor: Dr. Abdulghafor M. Al-Rozbayani. Average Mark: 88.71% Rank: (1) out of (58) students.

WORK EXPERIENCE

July 2008	Assistant Researcher, Department of Mathematics, University of Mosul.
August 2008	Secretary, Al-Rafidain Journal of Computer Sciences and Mathematics, University of Mosul.
July 2012	Researcher, Department of Mathematics, University of Mosul.
February 2013	Assistant Lecturer, Department of Mathematics, University of Mosul.
November 2013	Planning and Informatics Unit, College of Computer Sciences and Mathematics, University of Mosul.

TEACHING EXPERIENCE

Spring 2013   Undergraduate 1st Class: *Computer Fundamentals*
                   College of Basic Education, University of Mosul.

Fall 2013   Undergraduate 2nd Class: *Microsoft Word 2007*
                   College of Basic Education, University of Mosul.

Spring 2014   Undergraduate 1st Class: *Computer Fundamentals*
                   College of Basic Education, University of Mosul.

Spring 2014   Undergraduate 2st Class: *Numerical Analysis (Laboratory)*
                   College of Computer Sciences and Mathematics, University of
                   Mosul.

SEMINAR PRESENTATIONS

May 2012   "*A New Application of He's Variational Iteration Method for
                   Reaction-Diffusion System with Fast Reversible Reaction by Using
                   Adomian's Polynomials*", College of Computer Sciences and
                   Mathematics, University of Mosul.

RESEARCH INTERESTS

Numerical Solution of Partial Differential Equations, Finite Element Methods, Finite
Difference Methods, Adomian Decomposition Method, Variational Iteration Method,
Reduced Differential Transform Method, Numerical Stability Analysis, Solitary
Wave Solutions.

RESEARCH PAPERS

1. A.J. Al-Sawoor and M.O. Al-Amr, *Numerical Solution of a Reaction-Diffusion System
   with Fast Reversible Reaction by Using Adomian's Decomposition Method and He's
   Variational Iteration Method*, Al-Rafidain J. Comput. Sci. Math. (2012), Vol. 9, No. 2,
   pp. 243-257.

2. A.J. Al-Sawoor and M.O. Al-Amr, *Fourier Stability Analysis of Two Finite Element
   Schemes for Reaction-Diffusion System with Fast Reversible Reaction*, Al-Rafidain J.
   Comput. Sci. Math. (2013), Vol. 10, No. 3, pp. 117-128.

3. A.M. Al-Rozbayani and M.O. Al-Amr, *Discrete Adomian Decomposition Method for
   Solving Burger's–Huxley Equation*, Int. J. Contemp. Math. Sciences (2013), Vol. 8,
   No. 13, pp. 623-631.

4. A.J. Al-Sawoor and M.O. Al-Amr, *Reduced Differential Transform Method for the
   Generalized Ito System*, International Journal of Enhanced Research in Science
   Technology & Engineering (2013), Vol. 2, No. 11, pp. 135-145.

5. M.O. Al-Amr, *New Applications of Reduced Differential Transform Method*, Alexandria Eng. J. (2014), Vol. 53, No. 1, pp. 243–247.

6. A.J. Al-Sawoor and M.O. Al-Amr, *A New Modification of Variational Iteration Method for Solving Reaction-Diffusion System with Fast Reversible Reaction*, J. Egyptian Math. Soc. (2014), Vol. 22, No. 3, pp. 396–401.

7. M.O. Al-Amr, *Exact solutions of the generalized (2+1)-dimensional nonlinear evolution equations via the modified simple equation method*, Computers and Mathematics with Applications (2015), http://dx.doi.org/10.1016/j.camwa. 2014.12.011

EDITORIAL BOARD MEMBERSHIP

Applied and Computational Mathematics (ACM), American Journal of Theoretical and Applied Statistics (AJTAS), American Journal of Applied Mathematics (AJAM), International Journal of Numerical Analysis, International Journal of Applied Mathematics, International Journal of Mathematics and Mathematical Concepts.

SCIENTIFIC ASSOCIATIONS MEMBERSHIP

International Association of Engineers (IAENG), the IAENG Society of Computer Science, the IAENG Society of Operations Research, the IAENG Society of Scientific Computing, International Association of Mathematical Physics (IAMP), International Society of Difference Equations (ISDE).

JOURNAL'S REVIEWER

Walailak Journal of Science and Technology (WJST), African Journal of Mathematics and Computer Science Research (AJMCSR), International Journal of Dynamical Systems and Differential Equations (IJDSDE), Applied and Computational Mathematics (ACM), American Journal of Theoretical and Applied Statistics (AJTAS), American Journal of Applied Mathematics (AJAM), American Journal of Applied Mathematics and Statistics (AJAMS), International Journal of Engineering Research (IJER), Computers and Mathematics with Applications (CAMWA), Applied Mathematics and Computation (AMC).

OTHER SKILLS AND ABILITIES

- Languages: Arabic (Mother tongue) and English (ITP TOEFL 497).
- IT: Windows, Microsoft Office, MATLAB and MAPLE.
- Basic First Aid.

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