Curriculum Vitae

Mohammed Omar Al-Amr

Assistant Lecturer in Department of Mathematics,
University of Mosul.

PERSONAL DATA

Born	January 29, 1986 in Mosul, Iraq
Home Address:	Hay Alhadba', Mosul, Iraq
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EDUCATION

M.Sc.   In Applied Mathematics, Numerical Analysis, University of Mosul, Iraq, February 2013.
Dissertation: *On the Numerical Solution of Reaction-Diffusion System with Fast Reversible Reaction*.
Advisor: 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*.
Advisor: 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.

TEACHING EXPERIENCE

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

Fall 2013   Undergraduate: *Microsoft Word 2007*
                     College of Basic Education, 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, Numerical Stability Analysis.

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.

OTHER SKILLS AND ABILITIES

- Languages: English (ITP TOEFL 497) and Arabic (Native).
- IT: Windows (XP and 7), Microsoft Office (2003 and later), MATLAB and MAPLE.
- Basic First Aid.

Last Updated: October 2013