***CURRICULUM VITAE***

***Name:*** *Mosaad A. S. Alabdullatif.*

***Birth Date:*** *22/3/1967.*

***Birth Place:*** *Riyadh, Saudi Arabia.*

***Current Position:*** *Associate Professor, member of staff.*

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***Research Interests:*** *Discrete Mathematics, Graph Theory, Number Theory, Differential Equations.*

***Languages:*** *Arabic and English.*

***Education:***

*1. Bachelor of Science with honor, Math. Dept. – King Saud University, Saudi Arabia (1989).*

*2. Master of Science, Math Dept. – The University of Illinois at Urbana-Champaign, USA (1992).*

*3. Doctorate Of Philosophy, Math. Dept. – Keele University, England (1997). Thesis Title: ‘Extremal graphs with Hamiltonian related properties’.*

*Supervisor: Keith Walker.*

***Teaching Experience:*** *Most of Math fields, including Combinatorics, Algebra,*

*and Analysis.*

***Career History:***

*- Consultant at the ministry of higher education, Scholarship Section (2012 till date).*

*- Director of Supervision at the Cultural Bureau in the UK, 2008-2012 .*

*- Vice Dean of College of Science* (*KSU*) *for Academic Affairs 9/4/2005-8/4/2007.*

*- Associate Professor, Mathematics Department since Sep 2007.*

*- Chairman of Math. Dept. – King Saud University. 2000-2002.*

*- President of SAMS (Saudi Association for Mathematical Sciences)- Riyadh, 2001-2004.*

*- Director of NCMS (National Center for Mathematical Sciences)- Riyadh, 1999-2004.*

*- Supervisor of the National Mathematics Contest for Saudi secondary schools, 1999-2006.*

*- Assistant Professor, King Saud University 1998-2007.*

- *Teaching Assistant, King Saud University 1989-1990.*

***Consultations and Experiences:***

*- following up ministry scholars status and reviewing applicable scholarship laws.*

*- Communication with British institutions and building cooperation bridges regarding education and research.*

*- Chairman of (Math) group for designing qualification tests for mathematics teachers of the ministry of education.*

*- Designer of a suggested program in mathematics for girls technical secondary schools.*

*- Consultations with National Center for Mathematics and Physics.*

***Referee and Reviewing:***

- *King Abdulaziz City for Science and Technology.*

- *Ministry of higher education (reviewer of translated books)*

- *Ars Combinatoria (refereeing journal papers)*

***Committees and Supervision :***

*- Mathematics department representative in research center of the college of science 1999/2000.*

*- Member of college of science council 2000-2002, 2005-2007.*

**-** *Higher studies proposal committee. College of Science, KSU.*

*- Distinguished Student Welfare and Teaching Assistant Committee*. *College of Science, KSU.*

- *Planning and Academic System Committee*. *College of Science, KSU.*

- *Student affair committee*. *College of Science, KSU.*

- *Higher Study Committee, Math Department*, *College of Science, KSU.*

- *Discrete Mathematics Committee*. *, Math Department*, *College of Science, KSU.*

***Memberships:***

*- SAMS, Saudi Association for Mathematical Sciences.*

*- BCB, British Combinatorial Bulletin.*

*- AMS, American Mathematical Society.*

*- ICA, The Institute of Combinatorics and its Applications.*

***Training:***

*- Workshop on Teaching Design, KSU, Riyadh, July 2007.*

*- Electronic Teaching Design, KSU, Riyadh, July 2007.*

***Published Papers:***

*# On Quasi Hamiltonian-Connected Graphs, JCISS, Vol. 22, No. 1, 1997, 1-8.*

*# Extremal Graphs Which Contains no Cycles or Paths of Specific Lengths, BICA, Vol. 25, 1999, 41-52.*

*# Graphs Non-Span. by r Disjoint Paths (With K. Walker), Discrete Mathematics, 208/209, 1999, 9-12.*

*# On Locally Hamiltonian Graphs and Locally Traceable Graphs, BICA, Vol 30, 2000, 91-100.*

# *Two Special Classes of Hamiltonian Graphs, International Journal of Pure and Applied Mathematics, Vol. 28 No. 4, 2006, 457-461.*

*# Exact and Approximate Solutions of the Telegraph Model of Dispersive Variability (with H. A. Abdusalam), Far East Journal of Dynamical Systems, 8(1), 2006, 65-80.*

*# New exact traveling wave solutions for some famous nonlinear partial differential equations using the improved tanh-function method, International Journal of Computer Mathematics, Vol. 83, No. 10, 2006, 741-751.*

*# Adomian Decomposition Method for Nonlinear Reaction Diffusion System of Lotka-Volterra Type (with H. A. Abdusalam and E. S. Fahmy), International Mathematical Forum, 2(2), 2007, 87-96.*

***Going on research:***

*# On Locally N*2*-Hamiltonian Graphs, under preparation.*

*# A Note on Dirac’s Theorem on Hamiltonian Graphs, to be published.*

***Books:***

*# Introductory Computer Programming (with Hamdy A., and Taj L.), Riyadh 2004. (Arabic)*

*# Calculus and Analytic Geometry - Series and Multiple Integrals (with Sarmini I.), Al-Obeican Publication, Riyadh, 2006. (Arabic)*

*# Essential Mathematics for Science Students (with Bounkhel M), Riyadh 2006. (Arabic)*

*# Introduction to Graph Theory by Robin Wilson, (translated into Arabic), KSU, Riyadh 2006.*

***Going on Book Authoring:***

*# Essential Mathematics for Computer Science Students, (in Arabic), To Appear in 2018.*

*# Introductory Differential Equations and their Applications, To Appear in 2018.*

*# Essential Mathematics for Science Students, (in English) To Appear in 2018, Riyadh.*

***Meetings:***

***(Conferences):***

*# BBC14, Keele University, Stoke on Trent, UK, July 1993. (participation in organizing)*

*# BBC15, Stirling University, UK July 1995. (Talk about: Graphs which contains no Hamiltonian cycles of length n* \_1*)*

*# BBC16, QM & Westfield College, London, UK July 1997. (Talk about: Locally Hamiltonian Graphs. Beside, Raising an important problem about Hamiltonian-connected graphs)*

*# BBC17, Kent University, Kent, UK July 1999.*

*# AMS Meeting, Los Angeles, USA 2000.*

*# SAMS Conference, Riyadh, Saudi Arabia 1998. (talk about extremal graphs with Hamiltonian properties)*

*# SAMS Conferences 1999, 2000, 2002. (organizer of 2002)*

*# Siam Conference on Discrete Mathematics, Victoria, Canada June 2006. (talk about Special Classes of Hamiltonian graphs)*

*# The International Conference on the Frontier of Computational and Applied Mathematics, Los Angeles June 2012.*

***(Symposia):***

# *Special Functions, Riyadh, Kacst* 2005. (*organizer*)

# *Wavelets*, *Riyadh, Kacst* 2006.

***Additional Activities:***

*# Public lecturing and writing some general and specialized articles in National Newspapers.*