

Curriculum Vitae

PERSONAL INFORMATION

Name: Obaid Jefain Nasir Algahtani

Qualification: Ph. D in Mathematics

Date of Birth: 1/7/1978

Nationality: Saudi

Marital Status: Married

Languages: Arabic, English,



PERMANENT ADDRESS

Home: Saudi Arabia

Riyadh

Tel : (+966) 11 4683728

E-mail : obalgahtani@ksu.edu.sa

ksumaths@gmail.com

Web site: <http://fac.ksu.edu.sa/obalgahtani/home>

Work:

King Saud University,
Science College, Department of Mathematics
P.O. Box 4341,
Riyadh 11491, Saudi Arabia.
Tel: (+966) 11 4676511
Fax: (+966) 11 4915684

ACADEMIC APPOINTMENTS

2020- Now	Chair, Department of Mathematics Science College, King Saud University,
2017- Now	Associate Professor, Department of Mathematics Science College, King Saud University, Riyadh, Saudi Arabia.

2018- 2020	Director, Research Center Science College, King Saud University,
2017- 2020	President of Saudi Mathematical Sciences Association, King Saud University, Riyadh, Saudi Arabia.
2015- 2017	Consultant, Deanship of Preparatory Year , King Saud University, Riyadh, Saudi Arabia.
2013 – 2015	Chair, Department of Basic Sciences, Preparatory Year Deanship, King Saud University, Saudi Arabia
2012- 2017	Assistance Professor, Department of Mathematics Science College, King Saud University, Riyadh, Saudi Arabia.
2011- 2012	Assistance Professor, Department of Mathematics Teachers College, King Saud University, Riyadh, Saudi Arabia.
2007 - 2011	Lecturer, Department of Mathematics, Teachers College, King Saud University, Riyadh, Saudi Arabia.
2004 - 2007	Demonstrator, Department of Mathematics, Teachers College, King Saud University, Riyadh, Saudi Arabia.
2001 – 2004	Teacher , Ministry of Education, Saudi Arabia

TITLE AND EDUCATION

2011	Ph.D. in Mathematics Faculty of Science, University of King Fahd University, Saudi Arabia.
------	--

2007	M.Sc. in Mathematics. Faculty of Science, University of King Abdul-Aziz, Saudi Arabia.
2001	B.Sc. in Mathematics. Faculty of Teachers, University of King Khalid, Saudi Arabia.

FIELDS OF INTERESTS

Wavelets, Partial Differential Equations , Interval Analysis, Dynamic Systems, System Identification, Filtering,.

COURSES TAUGHT

ACADEMIC YEAR	COURSES		NOTICES
	Code	Name	
2004-2012	111 - Math	Basics of Algebra	In Teachers College, King Saud University, Riyadh, KSA
	121 - Math	Analytical Geometry	
	104 - Math	Mathematics for Science(1)	
	206 - Math	Linear Algebra	
	201 - Math	Calculus (1)	
	303 - Math	Calculus 3	
	332 - Math	Probability and Statistics (2)	
	120 - Math	Algebra and Analytical Geometry	
	101 - Math	Calculus1	
	361- Math	Ordinary Differential Equation	
	202 - Math	Calculus2	
	453 - Math	Complex Analysis	
	303 - Math	Calculus 3	
	461- Math	Applied Mathematics	

	361- Math	Ordinary Differential Equations	
2012 - 2020	Math - 204	Differential Equations	In Science College, King Saud University, Riyadh, KSA
	Math – 225	Ordinary Differential Equations	
	Math – 499	Research Project	
	Math 104	General Mathematics 2	
	Math 202	Vectors Analysis	
	Math 506	ODEs and PDEs Equations	
	Math 682	Ergodic theory	

COMMITTEES

1. Applied Mathematics committee
2. Analysis committee
3. Higher study committee
4. Curriculum planning committee.

TECHNICAL SKILLS

General skills in mathematics and computing. Specific expertise and interests in:

1. Mathematical software: Matlab, Maple, Mathcad.
2. Text formatting and office computing: LaTeX, Word, Excel, PowerPoint.

CONFERENCES AND WORKSHOPS

- 1 - A training course entitled "Mathematics Education" for three weeks, the Ministry of Education, KSA, in 2002.
- 2 - A training course entitled "The discovery of talented and caring" for three days, the Ministry of Education, KSA, 2003.
- 3 - A workshop entitled "Strategies to Solve Mathematics Competitions" for three days, King Fahd University, KSA, in 2010.
- 4 – A workshop on "professional standards to test the capacity of teachers" for three

- days, the National Center for measurement and evaluation, KSA, in 2011 .
- 5- "The first annual meeting of the university teaching", King Saud University, KSA, 2011.
 - 6 - A training course entitled "*Course Design and Construction*" for three days, King Saud University, KSA, in 2011.
 - 7 - A training course entitled "*Effective Teaching and Management System.*" for two days, King Saud University, KSA, in 2011.
 - 8 - A training course entitled "*Student Assessment Classroom Management*" for three days, King Saud University, KSA, in 2011.
 - 9 - A training course entitled "*Micro Teaching* " for one day, King Saud University, KSA, in 2011.
 - 10- A training course entitled "Integrate technology in university teaching " for three days, King Saud University, KSA, in 2012.
 - 11 - A training course entitled "Support student learning " for three days, King Saud University, KSA, in 2012.
 - 12 - A training course entitled "The development of a teaching " for one day, King Saud University, KSA, in 2012.
 - 13 - A training course entitled "Teaching based on specialization and educational research" for two days, King Saud University, KSA, in 2012.
 - 14- "International Conference on Numerical Analysis and Optimization" for three days, KFUPM, KSA, in 2011.
 - 15 "2nd Math Days" for two days, King Saud University, KSA, in 2012.
 - 16- Head of research group in Mathematics for one year (2012) in King Saud University, KSA.
 - 17- 25th Biennial Numerical Analysis Conference , for four days in Department of Mathematics and Statistics, University of Strathclyde, Glasgow, UK, 2013.
 - 18- Workshop on Special Functions and its Applications, for two days , King Saud University, KSA in 2013..
 - 19 - 3rd Annual International Conference on Computational Mathematics, Computational Geometry & Statistics (CMCGS 2014), for two days, Singapore, 2014 (Participant).
 - 20 - Recent Developments in Harmonic Analysis, for five days, Berkeley, USA, 2017
 - 21 - Workshop entitled "Distinguished Techniques for Expected Polynomials",

ASSOCIATIONS' MEMBERSHIP

- 1- Saudi Mathematical Sciences Association since 2004.
- 2- American Society for Mathematical Sciences.

LIST OF PUBLICATIONS

A. PAPERS:

- 1-O. Al-Gahtani¹, J. Al-Mutawa, M. El-Gebeily, R. Agarwal, The interval versions of the Kalman Filter and the EM algorithm, *Advanced in Difference Equations*, 2012.
2. O. Al-Gahtani, M. El-Gebeily, and Y. Khulief Output-Only Identification of System Parameters from Noisy Measurements by Multiwavelet Denoising. *Advances in Mechanical Engineering*, 2014.
3. Amir Khan, Gul Zaman, Obaid Al-Gahtani, Unsteady Flow of Viscoelastic Fluid Due to Impulsive Motion of Plate, *Asian Journal of Mathematics and Applications*, 2014
- 4- Nigar Ali, Gul Zaman, Obaid Algahtani, Stability analysis of HIV-1 model with multiple delays, *Advances In Difference Equations*, 2016
- 5- Obaid Algahtani, Comparing the Atangana–Baleanu and Caputo–Fabrizio derivative with fractional order: Allen Cahn model, *Chaos, Solitons and Fractals Nonlinear Science, and Nonequilibrium and Complex Phenomen*, 2016
- 6- Alkahtani, Badr, Algahtani, Obaid, Goswami, Pranay, On the solution of linear and nonlinear partial differential equations: applications of local fractional Sumudu variational method, *Journal Of Mathematics And Computer Science-Jmcs*, 2016
- 7- Badr S. Alkahtania , Obaid J. Algahtania , Ravi Shanker Dubeyb, Pranay Goswamic, Solution of fractional oxygen diffusion problem having without singular kernel, *Journal Of Nonlinear Sciences And Applications*, 2017
- 8- Obaid Algahtani, Estimates of initial coefficients for certain subclasses of bi-univalent functions involving quasi-subordination, *Journal Of Nonlinear Sciences And Applications*, 2017
- 9- P. S. Kumari, O.Alqahtani and E. Karapinar, Some Fixed-Point Theorems in b-islocated Metric Space and Applications, *Symmetry*, 2018

10 - Obaid Alqahtani; Erdal Karapınar; Priya Shahi, Common fixed point results in function weighted metric spaces, Journal of Inequalities and Applications (2019)

11- Obaid Alqahtani; Erdal Karapınar " A Bilateral Contraction via Simulation Function" FILOMAT, 2020

B. BOOKS:

1. T. Ghazal, O. Al-Gahtani, M. Damlakhi and K. Khashan, Precalculus, King Saud University Press, 2016.
2. I Alolayan, N. AlTurki, T. Ghazal, O. Al-Gahtani, and K. Khashan, Differential Calculus, King Saud University Press, 2017
3. Hamed Al-Oklah, Obaid Algahtani, Introduction to Statistics and its Applications, King Saud University Press, 2020
4. Obaid Algahtani, Mohamed Elgebeily , The Wavelet Theory and its Applications, Under process