

Kingdom of Saudi Arabia

National Commission for



المملكة العربية السعودية

الهيئة الوطنية للتقويم



جامعة المجمعة  
Majmaah University

# Curriculum Vitae of Mathematics Faculty Members

1434/ 1435

2013/2014

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## PROF. DR. ADEL MOHAMED ZAKI



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Mathematics Department  
Faculty of Science, Zulfi  
Majmaah university

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### Research Interests:

Functional Analysis

Algebra

### Qualification (Career and University Education)

B. Sc. Degree (Mathematics) Grade " Very Good ", Faculty of Science ", Cairo University

MS. C. Degree (Mathematics) Aswan Faculty of Science , Assuit University

PhD Degree (Mathematics ) Department of Mathematics, Aberdeen University, Scotland U.K

### Experience (Teaching Experience)

1975-1979 Demonstrator at Department of Mathematics, Aswan faculty of science, Assuit University

1979-1987 Assistant Lecturer at Department of Mathematics, Aswan faculty of science, Assuit University

1987-1995 Lecture at Department of Mathematics, Aswan faculty of science, South Valley University

1995-2008 Assistant Professor at Department of Mathematics , Faculty of Science, Helwan university  
Professor and Dean of The Canadian International College (CIC)

2008-2012 Professor at the Department of Mathematics (AL Zulfi ) Al -Majmaahh University

2012 until now

### Short Visits

1982-1987 Doing the Ph.D. degree at Department of Mathematics , Aberdeen University, Scotland, UK  
Scientific mission

### Publications

1)-N. Fared and Adel M. Zaki: "A note on compact operators in  $l^p$  Spaces" Jour. of Fac. of Educ., Ain Shams Univ., N.9, 13-19 (1985).

2) - Adel M. Zaki: "Simplicial faces in pure and factorial state spaces of operator algebras, Publ. Math Debrecen 41/1-2, 23 -33, (1992).

3) - Adel M. Zaki: Primal ideals and tensor product of  $C^*$  - algebras, jour. Math. Phy. Sci. Vol.24. , 42 -53.

4) - R.J. Archbold and Adel M. Zaki: Limits of pure states II, Proceeding of the Edin. Math. Soc., 227-231, (1992).

5) - Adel M. Zaki: On the cyclic factorial representation space of  $C^*$  - Algebras, Bull of the Inst. Of Math., Academia Sinica,

Vol.21, No. 1, 73-79, (March 1993).

6)- Adel M. Zaki: The pure state space of certain  $C^*$  - algebras, Bull of the Calc. Math. Soc., (1994).

7)- Adel M. Zaki: On quasi state space of prime  $C^*$ - algebras, jour. Math .Phy. Sci. Vol.25, No. 4, 427-430, (1991).

8) - Adel M. Zaki: The pure state space of certain  $C^*$  - algebras II, Far East J. of Math. Sci. 1(2), (1993).

9)- Adel M. Zaki: On the spaces  $\text{Rep}(A)$ ,  $\text{Irr}(A)$  and  $\text{Fac}(A)$ , Bull. Fac. Sci., Assiut Univ., 21(1-c), 7-12, (1992).

10)- Adel M. Zaki: On cyclic representation and state spaces of  $C^*$ -algebras. Bull. Fac. Sci., Assiut Univ., (1994).

11)- Adel M. Zaki: On pure functions on  $C^*$ -algebras, Banyan Math. Journal. Vol.1, (1994).

12)- Adel M. Zaki: Abundance of pure States in certain  $C^*$ -algebras, Far East J.Math.Sci.,Part II,173-177 (1998).

13)- Adel M .Zaki and Zeinab Abdel-Kader: A note on primal ideals in the product  $C^*$ -Algebra, Far. East J. Math. Sci. (1998).

14)- Zeinab M Abd Elkader and Adel M Zaki "The pure state space of certain  $C^*$ - algebras III", Journal .of the Egy . Math. Soc.9 (2), 143-149(2001).

15)- Adel M. Zaki , Zeinab M Abd Elkader and Nadia A. Qotb, "A note on the extension of states of  $C^*$ -algebras, to be published in Journal. of the Egy . Math. Soc.

16)- Adel M. Zaki , Zeinab M Abd Elkader and A. M. Sayed, "Some generalized inequalities for the schatten  $p$ -norm" to be published in the proceeding of mathematical and physical society of Egypt.

17)- Adel M .Zaki, A note on the tensor product of primal ideals of  $C^*$ -algebras, to be published in the proceeding of mathematical and physical society of Egypt.

18)- Adel M .Zaki, A note on generalized slice maps and primal ideals of  $C^*$ -algebras, to be published in the proceeding of mathematical and physical society of Egypt.

19)- Adel M. Zaki, Zeinab M.Abd Elkader and Hanaa M. Abdel Rahman," On associated Ideal sub- modules", to be published in Al-Azhar University Engineering Journal (AUEJ).

20)-Adel M.Zaki,"Ideal structure and pure state spaces of some operator algebras" to be published in the journal of applied functional analysis (JAFA).

21)- Zeinab M .Abd Elkader, Adel M. Zaki and Reham M. Ismael (Derivations of tensor product of finite number of simple  $C^*$ -algebras. to be published in the 22<sup>nd</sup> international conference on Topology and its Applications, Helwan,7-8 July (2008).

22)-Zeinab M. Abdel Kader, Adel M. Zaki and Reham M. Ismail "A note on linear 0 derivations on  $JB^*$  Triples " Journal of Egy. Math .Soc. (2010).

## Teaching

Calculus 1,2,3 and 4

Aswan Faculty of  
Science

Real Analysis

Helwan Faculty of  
Science

Functional Analysis

Helwan Faculty of  
Science

Abstract Algebras

Helwan Faculty of  
Science

Topology

Helwan Faculty of  
Science

Differential Equations

Helwan Faculty of  
Science

Partial Differential Equations

**Canadian International**

## College

**Academic Positions:**

- 1) Working as a Demonstrator in the Department of Mathematics (Aswan Faculty of Science) Assuit University from 16/7/1975 to 29/4/1979.
- 2) Working as an Assistant Lecturer in the Mathematics Department (Aswan Faculty of Science) Assuit University from 30/4/1979 to 29/6/1987.
- 3) Working as a Lecturer in the Department of Mathematics (Aswan Faculty of Science) Assuit University from 30/6/1987 to 20/9/1989.
- 4) Affiliated to work as a Lecturer in the Department of Mathematics (Abha Teachers College) in Saudi Arabia from 21/9/1989 to 31/8/1994.
- 5) Working as a Lecturer in the Mathematics Department (Aswan Faculty of Science) South Valley University from 1/9/1994 to 24/2/1995.
- 6) Working as an Assistant Professor in the Mathematics Department (Aswan Faculty of Science) South Valley University from 25/2/1995 to 15/7/1995.
- 7) Working as an Assistant Professor in the Department of Mathematics (Helwan University) from 16/7/1995 to 7/9/1998.
- 8) Working as a Visiting Professor in the Faculty of Science (United Arab Emirates University) from 8/9/1998 to 20/1/1999.
- 9) Affiliated to work as an assistant Professor in the Faculty of Education (6<sup>th</sup> October University) from 8/11/2001 to 31/8/2004.
- 10) Working as the Director of the Applied Sciences Department in the Canadian international college (CIC)-Cairo from 1/9/2004 to 20/5/2004.
- 11) Working as the Academic Vice Dean in the Canadian international college (CIC)-Cairo from 21/5/2005 to 25/1/2006.
- 12) Acting as the Dean of the Canadian international college (CIC)-Cairo from 26/1/2006 to 20/8/2007.
- 13) Working as the Academic consultant of the Canadian International College (CIC)-Cairo from 21/8/2007 to the current date.
- 14) Working as a Full Professor in the Department of Mathematics, Faculty of Science, Helwan University from 20<sup>th</sup> of April 2008 to the 31<sup>st</sup> of August 2008.
- 15) Working as a Full Professor in the Department of Basic Science, Canadian International College (CIC)-Cairo from 1<sup>st</sup> of September 2008 to 31<sup>st</sup> of August 2011.
- 16) Working as a Full Professor in Al Zulfi Faculty of Science, Al Majmaahh University from 14/11/2012 until now.

**Administrative Experience:**

- 1) Acting as the Head of the Department of Science in the Faculty of Education (6 October University) from 8/11/2001 to 31/1/2001.
- 2) Acting as the Vice Dean of the Faculty of Education from 1/2/2002 to 1/11/2002.
- 3) Working as the Head of the Basic and Applied Sciences Department in the Canadian International College (CIC) from 1/9/2004 until now.
- 4) Working as the Canadian International College (CIC) Vice Dean from 21/2/2006 until 31/8/2008.
- 5) Working as the Canadian International College (CIC) Dean from 1/9/2008 until 31/8/2011.
- 6) Working as the Canadian International College (CIC) Vice President for Academic Affairs and new extensions and acting as the Engineering Head of the Department (6<sup>th</sup> of October Branch) from 1/9/2011 until 13/11/2012.
- 7) Working as a Full Professor in the Department of Mathematics (El Zulfi) Al- Majmaahh University (KSA) from 14/11/2012 until now.
- 8) Working as the Head of the Bachelor of Science program Supervising Committee, in the Mathematics Department in (Al-Zulfi) Faculty of Science, Al Majmaahh University starting from 2/1/2013.
- 9) Acting as a member in the Scientific Research and Post Graduate Studies, in the Department of Mathematics in (Al-zulfi) faculty of Science, Al Majmaahh University starting from 2/1/2013.
- 10) Working as the Head of the Complaints and Suggestions committee, in the department of mathematics in (Al-Zulfi) faculty of Science, Al Majmaahh University starting from 18/8/2013.
- 11) Acting as a member in the Instructors committee, in the Department of mathematics in (Al-Zulfi), faculty of Science, Al-Majmaahh University starting from 18/8/2013.
- 12) Acting as a member of the Editorial Board of Al Majmaahh University Journal of Engineering and applied Sciences starting from the 3<sup>rd</sup> of November 2013.
- 13) Acting as a member of Al-Majmaahh science research unit starting from 1/12/2013.

**PROF. DR. MOHAMED ABDEL-HAKIM AHMED ISMAIL**

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**Research Interests:**

Fluid Mechanics

Hydro-Dynamic

Heat and Mass Transfer

Micro polar fluids

Porous Medium

**Qualification (Career and University Education)**

1981-1982	B. Sc. Degree (Mathematics)	Grade "very good", Faculty of science, Qena, Assuit University.
1985-1986	MS. C. Degree (Mathematics)	Faculty of science, Aswan, Assuit University.
1991-1992	PhD Degree (Mathematics )	Faculty of science, Aswan, Assuit University

**Experience (Teaching Experience)**

1983-1986	Demonstrator at Department of Mathematics, faculty of science, Aswan, Assuit University
1986-1991	Assistant Lecturer at Department of Mathematics, faculty of science, Aswan, Assuit University
1992-2001	Lecture at Department of Mathematics, faculty of science, Aswan, Assuit University
2001-2008	Assistant Professor at Department of Mathematics , Faculty of Science, Aswan, South Valley university,
<b>2008-2012</b>	- Graduate Studies, Faculty of Science in Aswan. - Quality Committee, Faculty of Science in Aswan - Development Committee to list the Faculty of Science in Aswan - Deputy Coordinator of the program quality math science sycophantic
<b>2012-</b>	- Commission for improving the math program at the Faculty of Science Zulfi - Committee on Graduate Studies, Faculty of Science Zulfi - Commission characterization of the graduate program at the Faculty of Science Zulfi - Committee for Scientific Research and the relationship with the community, Faculty of Science Zulfi - The Commission on Security and Safety Program Mathematics, Faculty of Science Zulfi
2008-2012	Professor Dr. at Department of Mathematics, Faculty of Science, Aswan, South Valley University
2008-2012	Head of Department of Mathematics, Faculty of Science, Aswan, South Valley University
2010-2012	Project manager for the development of Computer Science prequalified for Quality and Accreditation
<b>2012-</b>	Professor in Department of Mathematic, Faculty of Science, Al-Zulfi, Majmaahh University.
<b>2012-</b>	A Refree professor in the permanent central committee for evaluating the scientific work to promotion to the degree of (Associate and full professors) in the field of pure and applied mathematics.

**International Experience**

1992-	- Cimpa Schools (France) in Pure and Applied Mathematis 5-28 /1/1991Mathematcs Department, Faculty of Science, Aswan, Assuit University -Egyptian Mathematical Society -Egyptian Physiscal Society.
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	-Money conferences inside Egypt.
1992-2012	Supervisor for Ten PhD. Degree and nineteen MSc. Degree.

### Publication

- M. A. EL-Hakiem, 1998. "Effects of a transverse magnetic field on natural convection with temperature dependent viscosity in micropolar fluids", *Int. J. Applied Mech. Eng.*, Vol. 3, No. 2, pp. 287-304.
- M. A. EL-Hakiem, 1999. "Effect of a transverse magnetic field on natural convection boundary layer flow of a micropolar fluids in porous medium", *Int. J. Applied Mech. Eng.*, Vol. 4, No. 3, pp. 509-528.
- M. A. EL-Hakiem, 2000. "Viscous dissipation effects on MHD free convection flow over a non-isothermal surface in a micropolar fluid", *Int. Comm. Heat Mass Transfer*, vol. 27, No. 4, pp. 581-590.
- M. A. EL-Hakiem, 2000. "MHD oscillatory flow on free convection radiation through a porous medium with constant suction velocity" *Magnetism and Magnetic Materials*, vol. 220, pp. 271-276.
- M. A. EL-Hakiem, (2000) "Thermal dispersion effects on combined convection in non-Newtonian fluids along a non-isothermal vertical plate in a porous medium" *Transport in Porous Media* vol. 15, pp. 1-12.
- M. A. EL-Hakiem, (2000) "Thermal dispersion effects on combined convection in non-Newtonian fluids along a non-isothermal vertical plate in a porous medium" *Transport in Porous Media* vol. 15, pp. 1-12.
- M. A. EL-Hakiem, (1999) "Natural convection in a micropolar fluid with internal heat generation and viscous dissipation", *Applied Mechanics and Engineering*, vol. 4, pp. 789-799.
- M. A. EL-Hakiem and M. F. El-Amin, (1999) "MHD free convection and mass transfer flow in micropolar fluid through a porous medium with constant suction" 6<sup>th</sup> Conference on Theoretical and Applied Mechanics, March 3<sup>RD</sup> and 4<sup>th</sup> Cairo-EGYPT
- M. A. EL-Hakiem, (2000) "Radiative effects on non-Darcy free convection over a permeable horizontal surface in a porous medium", *Applied Mechanics and Engineering*, vol. 5, No. 4, pp. 213-217.
- M. A. EL-Hakiem and M. F. El-Amin, (2000) "Thermal radiation effect on non-Darcy natural convection with lateral mass transfer", *Heat Mass Transfer*, vol. , pp.
- A.A. Mohammadein, M. A. EL-Hakiem and R.S.R. Gorla, (1996) "Effect of transfer magnetic field on natural convection in micropolar fluids", *Applied Mechanics and Engineering*, vol. 1, No.,3, pp. 337-353.
- M.A. EL-Hakiem, S.M.M. EL-Kabeir, and R.S.R. Gorla, (2000) "Natural convection from combined thermal and mass diffusion buoyancy boundary effects in micropolar fluids" *Int. Journal of Fluid Mechanics Reseach*, vol. 27, No. 1, pp. 1-20.
- M.A. Mansour, M.A. EL-Hakiem and S.M.M. EL-Kabeir, (2000) "Heat and mass transfer in magnetohydrodynamic flow of micropolar fluid on a circular cylinder with uniform heat and mass flux" *Magnetism and Magnetic Material*, vol.220, pp. 259-270.
- M. A. EL-Hakiem, (1997) "Mixed convection non-Newtonian fluid along an isothermal vertical cylinder in a porous medium", *Transport in Porous Media*, vol. 28, pp. 307-317.
- M. A. EL-Hakiem, (1997) "Natural convection flow of a micropolar fluids in a porous medium", *Applied Mechanics and Engineering*, vol. 2, No. 2, pp.187-204
- A.A. Mohammadein, S.M.M. EL-Kabeir, M.A. EL-Hakiem and R.S.R. Gorla, (1998) "Hiemenz flow of a micropolar fluid in hydromagnetics", *Applied Mechanics and Engineering*, vol. 3, No. 3, pp. 367-376.
- M.A. EL-Hakiem, A.A. Mohammadein, S.M.M. EL-Kabeir, and R.S.R. Gorla, "Joule heating effects on magnetohydrodynamic free convection flow of a micropolar fluid", *Int. Comm. Heat Mass Transfer*, vol. 26, No. 2, pp. 219-227
- A.A. Mohammadein, M.A. EL-Hakiem, M.A. Mansour, M. Modather and R.S.R. Gorla, (1999) "Viscous and Joule heating effects on MHD natural convection in a micropolar fluid on horizontal, inclined and vertical plates", *Journal of MHD, Plasma and Space Research*, vol 8, No. 2, pp. 20-33.
- M.A. EL-Hakiem, A.A. Mohammadein, M.A. Mansour, S.M.M. EL-Kabeir, and R.S.R. Gorla, (1999) "Heat transfer from stretching surface in a micropolar fluid", *Applied Mechanics and Engineering*, vol. 4, No. 1, pp. 25-34.
- M.A. EL-Hakiem, A.A. Mohammadein, M.A. Mansour, R.S.R. Gorla, and M. Modather (1999) "MHD mixed convection in a micropolar fluid over a horizontal plate", *Journal of MHD, Plasma and Space Research*, vol. 9, No. 1, pp. 65-88.
- M. A. EL-Hakiem and M. F. EL-Amin, (2001), "Mass Transfer effects on the non-Newtonian fluids past a vertical plate embedded in porous medium with non-uniform surface heat flux", *Heat and Mass Transfer*, vol. 37, pp. 293-297.
- 1- M. A. EL-Hakiem, (2004) "Natural convection in a micropolar fluid with thermal dispersion and internal heat generation", *Int. Comm. Heat Mass Transfer*, vol. 31, No. 8, pp. 1177-1186.
- M. A. EL-Hakiem, (2008) "Radiation effects on hydromagnetic free convective and mass transfer flow of a gas past a circular cylinder with uniform heat and mass flux" *Int. J. of Numer. Meth. For Heat & Fluid Flow*, Accepted in January (2008).
- M. A. EL-Hakiem, (2007) "Radiative effects on non-Darcy natural convection from a heated vertical plate in saturated porous media with mass transfer for non-Newtonian fluid", *Journal of Porous Media*, vol. 12(1) (2008).
- M. A. EL-Hakiem, and A.M. Rashad, (2007) "Effect of radiation on free convection from a vertical cylinder embedded in a fluid-saturated porous medium with a temperature-dependent viscosity", *Journal of Porous Media*, vol. 10(2), pp. 209-218
- M. F. El-Amin, M. A. EL-Hakiem M. A. Mansour, (2004) "Combined effect of magnetic field and lateral mass transfer on non-Darcy axisymmetric free convection in a power-law fluid saturated porous medium", *Journal of Porous Media*, vol. 7, No. 1 pp.

65-71.

M. A. EL-Hakiem, and S. M. M. EL-Kabeir and A.M. Rashad, (2007) "Combined heat and mass transfer on non-Darcy natural convection in a fluid saturated porous medium with thermophoresis", *Int. J. Applied Mechanics and Engineering*, vol. 12, No. 1, pp. 9-18.

M. A. EL-Hakiem, S. M. M. EL-Kabeir and A.M. Rashad, (2007) "Group method analysis for the effect of radiation on MHD coupled heat and mass transfer natural convection flow for water vapor over a vertical cone through porous medium", *Int. J. of Math and Mech.*, vol. 3, No. 2, pp. 35-53.

S.M.M. EL-Kabeir, M. A. EL-Hakiem and A.M. Rashad, (In Press) "Group method analysis of combined heat and mass transfer by MHD non-Darcy non-Newtonian natural convection adjacent to horizontal cylinder in a saturated porous medium", *Applied Mathematical Modelling*, Online 29 September 2007..

S.M.M. EL-Kabeir, M.A. EL-Hakiem and A.M. Rashad, (2008) "Lie group analysis of unsteady MHD three dimensional by natural convection from an inclined stretching surface saturated porous medium", *Journal of Computational and Applied Mathematics*, vol. 213, No. 2, pp. 582-603.

M. A. EL-Hakiem and M. Modather, (2006) "The effect of variable viscosity on MHD natural convection in micropolar fluids", *Applied Mechanics and Engineering* vol. 11, No. 2, pp. 301-320.

S.M.M. EL-Kabeir, M.A. EL-Hakiem and A.M. Rashad, (2007) "Natural convection from a permeable sphere embedded in a variable porosity porous medium due to thermal dispersion", *Nonlinear Analysis: Modelling and Control*, vol. 12, No. 3, pp. 345-357

M. A. EL-Hakiem M. F. EL-Amin and M. A. Mansour (2003) "Effects of viscous dissipation on a power-law fluid over plate embedded in porous medium", *Heat and Mass Transfer*, vol. 39, pp. 807-813.

A. M. Rashad, M.A. EL-Hakiem and S. M. M. EL-Kabeir (2007) "Lie group analysis of hydromagnetic flow and heat transfer by non-Darcy natural convection over a surface stretching in porous medium with radiation effect", *Int. J. of Appl. Math and Mech.*, vol. 3, No. 2, pp.54-70.

M. A. EL-Hakiem, M. F. El-Amin and R. S. R. Gorla (2006) "MHD free convection of a large Prandtl number liquid over a non-isothermal two-dimensional body" *Int. J. of Fluid Mechanics Research*, vol. 33, pp. 153-167.

M. A. EL-Hakiem, A. M. Rashad, M.M.M. Abdou, (2011). Natural convection boundary layer of non-Newtonian fluid about a permeable vertical cone embedded in porous medium saturated with a nanofluid *Computer & Mathematics with applications*, vol. 62, issue 8, pp. 3140-3151, Oct.

M. A. EL-Hakiem, (2014). Heat Transfer from Moving Surfaces in a Micro polar Fluid with Internal Heat Generation. *Journal of Engineering and Applied Science*, vol. 1, Part 1 no. 1 pp. 30-36.

M. A. EL-Hakiem, (2014). Effect of Radiation and Double Dispersion on Mixed Convection Heat and Mass Transfer in Non-Darcy Porous Medium., *Journal of Engineering and Technology* In Press

## Teaching

Fluid Mechanics	Math421	Aswan Science	Assuit University
Analytic Mechanics	Math301	Aswan Science	Egypt
Statistical Mechanics	Math453	Aswan Science	Egypt
Dynamics	Math109	Aswan Science	Egypt
Static	Math 120	Aswan Science	Egypt
Quantum Mechanics	Math. 421	Aswan Science	Egypt
Differential Equation	Math	Aswan Science	Egypt
Partial Differential Equation	Math	Aswan Science	Egypt
Geometry	Math	Aswan Engineering	Egypt
Linear Algebra	Math. 205	Aswan Science	Egypt
Special Function	Phys. (340)	Aswan Science	Egypt
Numerical Analysis		Aswan power engineering	Egypt
Mathematical Methods	Math.(310)	Aswan Science	Egypt
Mechanical of Waves	Math. (321)	Aswan Science	Egypt
Differential and Integral	Math.(101)	Science Al-Zulfi	Kingdom, Saudi Arabia

Differential equations	Math.(204)	Science Al-Zulfi	Kingdom, Saudi Arabia
Geometry	Math.(121)	Science Al-Zulfi	Kingdom, Saudi Arabia
Calculus of Vectors	Math.(204+202)	Science Al-Zulfi	Kingdom, Saudi Arabia
Subjects in Appl. Mechanics	Math.(411+370)	Science Al-Zulfi	Kingdom, Saudi Arabia

And many other topics.

**PROF. DR. HEDI BEN MESSAOUD**

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Mathematics Department  
Faculty of Science, Zulfi  
Majmaahh university

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**Research Interests:**

**Complex Analysis**, psh functions, analytic sets, currents and slicing theory.

**Language Skills**

Arabic, English , French

**Qualification (Career and University Education)**

1974-1978	B. Sc. Degree (Mathematics)	Grade "very good ", Presidential prize. High normal School, Tunis-Manar University.
1978-1979	Master (Mathematics:	Paris VI University (France). Complex Analysis)
1979-1982	PhD Degree (Mathematics :	ParisVI University. <u>Intermediate current associated to a positive closed current)</u>
1982- 1996	State' s Dotorat	<u>Monge-Ampere Operator and extension of positive d-closed current.</u> <u>Tunis-Manar University -- Fourier Institute (France)</u>

**Career**

2011-	Professor doctor at Department of Mathematics , Faculty of Science, Majmaahh university , Saudi Arabia
2001-2005	Professor (First class) at Department of Mathematics , Faculty of Science, Sfax university, Tunisia
2005-2006	Professor doctor at Department of Mathematics , Faculty of Science, KingFaycel university ,Alhasa, Saudi Arabia
2001-2005	Professor (First class) at Department of Mathematics , Faculty of Science, Sfax university, Tunisia Professor (Second class) at Department of Mathematics , Faculty of Science, Sfax university, Tunisia
1996-2001	Assistant Professor at Department of Mathematics , Faculty of Science, Bizerte university, Tunisia
1986-1996	Assistant at Department of Mathematics , Faculty of Science, Bizerte university, Tunisia

1982- 1986

**Short Visits**

	Invited professor (5/1992, 6/1994, 7/1995, 1/1996, 7/1996, 10/99, 7/2000, 12/2004) Fourier Institute . France
11/1995	Invited professor at Mathematics Department , Poitier university (France)
10/2002	Invited professor at Mathematics Department , Marseille university (France)

**Publications**

M. Toujani H. Ben Messaoud.—Prolongement d un courant negatif psh avec conditions sur les tranches. Cras Paris 2005
M. Toujani et H. Ben Messaoud.—Prolongement et contr'ole d'un courant negatifsf parses tranches, Afr. Diasp. J. of Mathematics, Wachington , 2004.

H. Ben Messaoud et HassineElmir.---Operateur de Monge-Ampere et tranchage des courants positifsfermes, J. of Geometric Analysis (USA), vol. 10nb 1 (2000).

H. Ben Messaoud.---Tranche et formule de tranchagegeneralisee, colloque SMT, Mahdia mars 98.

H. Ben Messaoud .---New slicing formula , International congress of Mathematics, Berlin, August 1998.

H. Ben Messaoud et HassineElmir.---Tranchage et extension des courants positifsfermes, Math.Annalen(Germany), 307, 1997.

H. Ben Messaoud et HassineElmir.---Operateur de Monge-Ampere et formule de tranchage pour un courant positifferme, CRAS Paris 1995, t. 321, serieI, n03.

H. Ben Messaoud.---Tranches et nombres de Lelong, colloque S.M.T, n0 3, Hammamet (1995).

H. Ben Messaoud et HassineElmir.---Tranchagedans le polydisque, colloque SMT,n0 2, Monastir (1994).

H. Ben Messaoud et HassineElmir.---Tranches et prolongement des courants positifsfermes, CRAS Paris 1993, t 316, serieI.

H. Ben Messaoud.---Courants intermediairesassocies `a un courant positifferme, SeminaireLelong-Skoda, Lectures Notes in Math. (Springer) no 1028, p. 41--68.

### Supervisor

2006-2012 phd thesis of Hedikhediri (defended 22/1/2012), Monastir

2007-2010 phd thesis NouredineGhiloufi (defended 10/2/2010), Sfax

2003-2007 phd thesis of MoncefToujani (defended 11/2007), Monastir

### Teaching Experience

Complex Analysis	Math484	Zulfi Science	Majmaahh University
Derivation and Integration in several variables	Math 203	Zulfi Science	Majmaahh University
Topology	Math	Monastir Science	Monastir
Mathematical Methods	Math	Zulfi Science	Majmaahh University
Linear algebra I	Math	SfaxScience	Sfax University
Linear algebra II	Math	SfaxScience	Sfax University
Analysis I, II	Math	SfaxScience	Sfax University
Probability and Stat.	Math	Sfax Science	Sfax University
Numerical analysis	Math	SfaxScience	Sfax University
Non Euclidian Geometry	Math	ALhasa Science	King Faycel University
Doctoral course in complex Analy.	MATH	Monstir Science	Monastir University

### Conferences

Egypt France Mathematics Conference	France Embassy	2010
Conference on Topology and its Application	Tanta	2010
Fifth Annual Conference	Cairo	2007

### Reviewer

Reviewer of the Phd thesis of SouadKhemiri (2000); University of Monastir.

Reviewer of the Phd thesis of KhalifaDabbek (2001); University of Monastir

Reviewer of the Phd thesis of FethiHagui (2002); University of Monastir.

Reviewer of the "Habilitation" of Nabil Ourimi (2004), University of Bizerte

Reviewer of the "Habilitation" of SaoussenKallel (2004), University of Tunis

Reviewer of the "Habilitation" of KhalifaDabbek (May 2009), Univ. of Monastir

Reviewer of the "Habilitation" of FethiHagui ( June 2010), University of Monastir

Member of the phd jury of Maryam Touilbi (February 2013), King Saud University

### Practical Skills

Latex Writing

**DR. RABAH KELLIL****Dr Rabah Kellil**

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Mathematics Department  
Faculty of Science, Zulfi  
Majmaah university

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Saudi Arabia Saudi Arabia

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**Research Interests:**

Semigroups, semirings, ternary operation, Green's relations, Lattices,

Morphic groups

Coding theory, cryptography

**Language Skills**

French Writing; speaking and reading Excellent

Arabic Writing; speaking and reading Excellent

English Writing Excellent; speaking good and reading Excellent

**Qualification (Career and University Education)**

1977-1981	B. Sc. Degree (Mathematics)	Constantine University Algeria
1981-1982	MS. C. Degree (Mathematics)	Nancy college of Sciences, Nancy University, France
1982-1984	PhD Degree (Mathematics )	Nancy college of Sciences, Nancy University, France

**Career**

1982-1984	Professor of mathematics secondary schools	Nancy France
1984-1985	Assistant Professor	University of Metz France
1984-1988	Researcher attached to CNRS Unit	at Metz France
1988-1990	Assistant Professor	Annaba University Algeria
1990-2010	Assistant Professor	Monastir University Tunisia
Since 2010	Assistant Professor	Majmaahh University KSA

**Short Visits**

2003-2004	Associated researcher in PROTHEO Project,	INRIA Nancy France
1995(1 month)	University of FES Morocco	Summer school in commutative Algebra
1 to 2 weeks	Many short visits	Grenoble France, Nancy France, Fes Morocco, Annaba Algeria, K.S university Riyadh, CIRM ( International Center of Mathematical Research) France

**Publication(s)**

1- Author: Rabah Kellil  
Title Some Properties on Morphic Groups.  
Pure Mathematical Sciences, Vol. 2, 2013, no. 2, 55 – 68, Publisher Hikari Ltd.

2- Author: Rabah Kellil

EXTERNAL APPROACH OF IDEALS IN SUBTRACTION ALGEBRAS

Asian Journal of Current Engineering and Maths . 2: 2 , March-April 2013, p115-117.

3- Author: Rabah Kellil

Some Aspects of Derivation in Ternary Semirings.

International Journal of Multidisciplinary Sciences and Engineering, Volume 4, Issue 5, June 2013.

4- Author: Rabah Kellil

GREEN'S RELATIONS ON TERNARY SEMIGROUPS.

J. Semigroup Theory Appl. 2013, 2013:6

5- Author: Rabah Kellil

ON INVERSES OF LEFT ALMOST SEMIRINGS AND STRONG LEFT ALMOST SEMIRING

Journal of Mathematical Sciences: Advances and Applications, issue April 2014

### Teaching Experience

MTPH001 and MTPH002 MAT 130+ 231, MAT 444, MAT 203, MAT 343, MAT 237	Since 2010	courses given in English	College of Sciences at Zulfi Majmaahh University
Algebra for the first, the second, the third and the fourth year	1984-1985 1988-1990 1990-2010	BcS Mathematics courses given in French	University of Metz France University of Annaba Algeria University of Monastir Tunisia
Analysis for the first and second year in MA cycle (mathematics).	1984-1985 1988-1990 1990-2010	BcS Mathematics courses given in French	University of Metz France University of Annaba Algeria University of Monastir Tunisia
Measure and integration in third year in MA cycle (mathematics).	3 times between 1990-2010	BcS Mathematics courses given in French	University of Monastir Tunisia
Complex analysis in third year in MA cycle (mathematics).	3 times between 1990-2010	BcS Mathematics courses given in French	University of Monastir Tunisia
Topology in third year in MA cycle (mathematics).	2 times between 1990-2010	BcS Mathematics courses given in French	University of Monastir Tunisia
Differential Calculus	2 times between 1990-2010	BcS Mathematics courses given in French	University of Monastir Tunisia

Conferences				
Annual colloquium of SMT	colloquium	3 days	Hammamet 3 times	SMT
Annual colloquium of SMT	colloquium	3 days	Mahdia 2 times	SMT
Annual colloquium of SMT	colloquium	3 days	Sousse 2 times	SMT
Annual colloquium of SMT	colloquium	3 days	Monastir 2 times	SMT
Summer School on Invariants Theory	Summer school	15 days	Monastir 1997	CIMPA
Summer school on commutative Algebra	Summer school	15 days	Fez Morocco	University of Fez
Summer School on Commutative Algebra	Summer school	15 days	Marseille France	CIRM France
Summer School on Dynamical Systems and Complex Analysis	Summer school	15 days	Marseille France	CIRM France
Summer School on Current Theory and Complex Analysis	Summer school	1 MONTH	Mahdia	University of Grenoble France and University of Monastir
Summer School on Coding and Cryptography	Summer school	1 MONTH	Mahdia	INRIA Roquencourt France
International colloquium of Mathematics KS university Riyadh 2012	Colloquium	2 days	Riyadh	KS University KSA

### Pedagogic Production

With Dr Pr Ferdaous kellil : Algebra and Arithmetic cours et exercices, in French Tunisia 2007

With Dr Pr Ferdaous kellil : Course one topology, in French Tunisia 2008

### Practical Skills

Programming skills: Fortran, Basic, Pascal, C++

Latex, Word,

Advising Member in review of many mathematics program both in France and Tunisia.

Conception of the Mathematics Programs of Higher School of Sciences and technology Hammam Sousse Tunisia 2007

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Mathematics Department  
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Majmaahh university

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**Research Interests:****Functional Analysis****Language Skills**

Arabic, English

**Qualification (Career and University Education)**

1991-1995	B. Sc. Degree (Mathematics)	<b>with grade very good, Faculty of Science, Al-Azhar University 1995.</b>
1997-2002	MS. C. Degree (Mathematics)	<b>Faculty of Science, Al-Azhar University, 2002.</b>
2004-2007	PhD Degree (Mathematics )	<b>Faculty of Science, Al-Azhar University, 2007.</b>

**Career**

2013-Now	Assistant Professor, Mathematics Department, Faculty of Science, Al-Azhar University, Egypt.
2010-Now	Assistant Professor, Mathematics Department, Faculty of Science, Majmaahh University, Saudia Arabia
2007-2013	Lecturer at Mathematics Department, faculty of science, Al-Azhar University, Egypy.
2002-2007	Assistant Lecturer at Mathematics Department, Faculty of Science, Al-Azhar University, Egypt.
1996-2002	Demonstrator at Mathematics Department, Faculty of Science, Al-Azhar University, Egypt.

**Short Visits**

2009	The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
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**Publication**

- Khafagy, S. and Khalil, A., On the Accuracy of Pade Approximants in Calculating The Energy Eigenvalues and Phase Shifts via the Potential Model of Schrodinger Equation, Journal of the Egypt. Math. Soc., Vol. 13(2), (2005), pp. 201-214.
- Khafagy, A. and Serag, H., Maximum Principle and Existence of Positive Solutions for Nonlinear Systems Involving Degenerated p-Laplacian Operators, Electronic Journal of Differential Equations, Vol. 2007 (2007), No. 66, PP. 1-14.
- Serag, H. and Khafagy, S., Existence of Weak Solutions for  $n \times n$  Nonlinear Systems Involving Different Degenerated p-Laplacian Operators, New Zealand Journal of Mathematics, Vol. 38 (2008), pp. 75-86.
- Khafagy, S. and Serag, H., Existence of Weak Solutions for Nonlinear Systems Involving Several p-Laplacian Operators, Electronic Journal of Differential Equations, Vol. 2009 (2009), No. 81, PP. 1-10.
- Serag, H. and Khafagy, S., Existence of Weak Solutions for Nonlinear Systems Involving Degenerated p-Laplacian operators, Sarajevo Journal of Mathematics, Vol. 5 (17) (2009), pp. 1-14.
- Serag, H. and Khafagy, S., On a nonhomogeneous elliptic systems  $n \times n$  Involving p-Laplacian with different weights, Journal of Advanced Research in Differential Equation, Vol. 1, Issue. 1, 2009, 47-62.
- Serag, H. and Khafagy, S., On Maximum Principle and Existence of Positive weak Solutions for  $n \times n$  Nonlinear Elliptic Systems Involving Degenerated p-Laplacian, Operators, Turkish Journal of Mathematics, Vol. 34 (2010), PP. 59-71.
- Khafagy, S., Maximum Principle and Existence of Weak Solutions for Nonlinear System Involving Different Degenerated p-Laplacian Operators on  $R^N$ , New Zealand Journal of Mathematics, Vol. 39 (2009), 151-163.
- Khafagy, S., Existence and Nonexistence of Positive Weak Solutions for a Class of (p,q)-Laplacian with Different Weights, Int. J. Contemp. Math. Sciences, Vol. 6 (48) (2011), 2391- 2400.
- Khafagy, S., Existence and uniqueness of weak solution for weighted p-Laplacian Dirichlet problem, Journal of Advanced Research in Dynamical and Control Systems, Vol. 3 (3) (2011), 41- 49.
- Khafagy, S., Existence, nonexistence and uniqueness of positive weak solution for a nonlinear system involving weighted p-Laplacian, Global Journal of Pure and Applied Mathematics, Vol. 8 (2) (2012), 205-214.
- Khafagy, S., Existence and uniqueness of weak solution for quasilinear elliptic (p,q)-Laplacian system, Global Journal of Pure and Applied Mathematics, Vol. 8 (4) (2012), 465-475.
- Khafagy, S., On positive weak solution for a nonlinear system involving weighted p-Laplacian, Journal of Advanced Research in Dynamical and Control Systems, Vol. 4 (4) (2012), 50- 58.
- S. Khafagy, Maximum Principle and Existence of Positive Weak Solutions for Nonlinear Systems, Lambert Academic Publishing, 2012.
- Khafagy, S., Existence and nonexistence of positive weak solutions for a class of weighted (p,q)-Laplacian nonlinear system, Global Journal of Pure and Applied Mathematics, Vol. 9 (4) (2013), 379-387.

### Teaching Experience

Functional Analysis	Mat 482	Faculty of Science	Al-Azhar andMajmaahh Universities
Real Analysis	Mat 382	Aswan Science	Al-Azhar andMajmaahh Universities
Complex Analysis	Mat 485	Zulfi Science	Al-Azhar andMajmaahh Universities
Calculus I, II, III	Math101, 102, 201	Zulfi Science	Al-Azhar andMajmaahh Universities
Differential Equation	Math 321, Mat 224	Aswan Science	Al-Azhar andMajmaahh Universities
Geometry	<b>Mat 121, Math 273</b>	<b>Aswan Science</b>	Al-Azhar andMajmaahh Universities

### Conferences

International Conference on Mathematics, Trends and Development	Cairo, Egypt	2002
The Third Workshop On Mathematical Analysis And Applications	Cairo, Egypt	2005
School on Algebraic Approach to Differential Equations	Alex, Egypt	2007
Sixth International Conference (Education, Development, environment)	Cairo, Egypt	2008
School on Recent Developments in the Theory of Elliptic PDE	Arab Academy	2009



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Seventh International Scientific Conference, Al-Azhar University	Cairo	2010
Egypt-France Mathematical Conference	Cairo	2010

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**Training Experience**

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Training " E- Learning ", Majmaahh University , Saudi Arabia
Training " The culture of E-learning" Majmaahh University , Saudi Arabia
Training " The Skills of E-learning" Majmaahh University , Saudi Arabia
Training " E- Learning ", Majmaahh University , Saudi Arabia

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**Practical Skills**

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ICDL(International Computer Driving License )
Latex Writing

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**PROF. DR. MOHAMED AHMED ELSAYED HERZALLAH**

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Faculty of Science, Zulfi  
Majmaahh university

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**Research Interests:**

Functional Analysis

Fractional Calculus

Fractional Calculus of variations

Fractional Evolution Equation

Existence and Uniqueness theorems of fractional differential equation

**Qualification (Career and University Education)**

1993-1997	B. Sc. Degree (Mathematics)	Grade "Excellent", Faculty of science, Zagazig University, Zagazig, Egypt.
1998-2002	MS. C. Degree (Mathematics)	Faculty of science, Zagazig University, Zagazig, Egypt..
2002-2005	PhD Degree (Mathematics )	Faculty of science, Zagazig University, Zagazig, Egypt.
2005-2013	Ass. Prof. Degree (pure Mathematics)	Faculty of science, Zagazig University, Zagazig, Egypt.

**Experience (Teaching Experience)**

1998-2002	Demonstrator at Department of Mathematics, Faculty of science, Zagazig University, Zagazig, Egypt.
2002-2005	Assistant Lecturer at Department of Mathematics, Faculty of science, Zagazig University, Zagazig, Egypt.
2005-2008	Lecturer at Department of Mathematics, Faculty of science, Zagazig University, Zagazig, Egypt.
2013-	Assistant Professor at Department of Mathematics, Faculty of science, Zagazig University, Zagazig, Egypt

**International Experience**

2008-	Assistant Professor at Department of Mathematics , Faculty of Science, Majmaahh university , Saudi Arabia
-------	---

**Publication**

- 1- A. M. A. El-Sayed and M. A. E. Aly, **On the continuation of fractional order evolutionary integral equations and some applications**, *KJCAM*, **9**, (2002), 525-533.
- 2- A. M. A. El-Sayed and M. A. E. Herzallah, Continuation and maximal regularity of fractional-order evolution equation, *J. Math. Anal. Appl.*, 296(1), (2004), 340-350.
- 3- A. M. A. El-Sayed and M. A. E. Herzallah, Continuation and maximal regularity of an arbitrary (fractional) order evolutionary integro-differential equation, *Applicable Analysis* , 84(11), (2005), 1151 - 1164
- 4- A. M. A. El-Sayed and M. A. E. Herzallah, Continuation and maximal regularity of fractional-order evolutionary integral equation, *Inter. J. evolution equ.*, 1(2), (2005), 179-190.
- 5- M. A. E. Herzallah and D. Baleanu, Fractional-order Euler-Lagrange equations and formulation of Hamiltonian equations, *Nonlinear Dyn.*, 58(1-2), 385-391, (2009)
- 6- M. A. E. Herzallah, A. M. A. El-Sayed and D. Baleanu, Perturbation for fractional-order evolution equation, *Nonlinear Dyn.* 62: 593-600 (2010)

- 7- M. A. E. Herzallah and D. Baleanu, On abstract fractional order telegraph equation J. Comput. and Nonlinear Dynam., , Vol. 5 number 2 , 021008-5, April (2010)
- 8- M. A. E. Herzallah, A. M.A. EL-Sayed and D. Baleanu, On the fractional-order Diffusion-Wave process, Rom. Journ. Phys., Vol. 55, Nos. 3-4, P. 274-284, Bucharest, (2010)
- 9- M. A. E. Herzallah and D. Baleanu, Fractional-Order Variational Calculus with Generalized Boundary Conditions, Advances in Difference Equations, doi:10.1155/2011/357580 (2011)
- 10- M. A. E. Herzallah, S I. Muslih, D. Baleanu and E M. Rabei, Hamilton-Jacobi and fractional like action with time scaling, Nonlinear Dyn. Vol. 66(4) (2011) 549-555.
- 11- A. M. A. EL-Sayed, E. Ahmed and M. A. E. Herzallah, On The Fractional-Order Games With Non-Uniform Interaction Rate And Asymmetric Games, Vol. 1. July 2011, No.1, pp. 1-9.
- 12- M. A. E. Herzallah and K. A. Gepreel, Approximate solution to the time-space fractional cubic nonlinear Schrodinger equation, Appl. Math. Modell. (2012), doi:10.1016/j.apm.2012.01.012
- 13- M. A. E. Herzallah and D. Baleanu, Existence of a periodic mild solution for a nonlinear fractional differential equation, Computers and Mathematics with Application (2012), doi:10.1012/j.camwa,2011.12.060.
- 14- M. A. E. Herzallah and D. Baleanu, Fractional Euler-Lagrange equations revisited, Nonlinear Dyn. 69(3) 977-982(2012)
- 15- M. A. E. Herzallah, Variational calculus with fractional and classical derivatives, Rom. J. Phys. (2012) Vol.57(9-10),1261-1269.
- 16- . A. E. Herzallah, Mild and strong solutions to few types of fractional order nonlinear equations with periodic boundary conditions, Indian J. Pure Appl. Math., (2012) Vol. 34(6) 1-17.
- 17- M. A. E. Herzallah, M. El-Shahed and D. Baleanu, Mild and strong solutions for a fractional nonlinear Neumann boundary value problem, J. Comput. Anal. Appls. (2013) Vol.15(2) 341-352.
- 18- M. A. E. Herzallah, Comments on "The effect of fractional parameter on a perfect conducting elastic half-space in generalized magneto-thermoelasticity" by N. Sarkar and A. Lahiri [Meccanica (2013) 48:231-245], Meccanica (2013) 48:2567-2568.
- 19- M. A. E. Herzallah, Comments on "Effect of fractional parameter on plane waves of generalized magneto-thermoelastic diffusion with reference temperature-dependent elastic medium" [Comput. Math. Appl. 65 (2013) 1104-1118], Comput. Math. Appl. 67 (2014) 997-998.
- 20- M. A. E. Herzallah and D. Baleanu, On fractional order hybrid differential equations, Abstract and applied analysis, (accepted).

**Teaching**

Subject	Code	Faculty	University
Ordinary Differential Equations	Math 321	Science	Zagazig, Banha and Majmaah
Theory of Differential Equations	Math	Education	Zagazig
Calculus 1	Math 201	Science	Zagazig and Majmaah
Calculus 2	Math 202	Science	Zagazig and Majmaah
Calculus 3	Math 203	Science	Zagazig
Real Analysis	Math 381	Science	Zagazig and Banha
Differential Geometry	Math 473	Science	Zagazig and Majmaah
Partial Differential Equations	Math 423	Science	Majmaah
Functional Analysis	Math 484	Science	Zagazig, Banha and Majmaah
Numerical Analysis	Math 351	Science	Zagazig and Majmaah
Linear Algebra	Math 241	Science	Zagazig and Majmaah
Abstract Algebra	Math	Science	Zagazig
Group Theory	Math 342	Science	Majmaah
Calculus of Variations	Math	Science	Zagazig
Measure Theory	Math	Science	Zagazig
Analytic Geometry	Math 271	Science	Zagazig and Majmaah
<b>Mathematical Methods</b>	<b>Math 322</b>	<b>Science</b>	<b>Majmaah</b>

## PROF. DR. ABD EL-MONEM ABD EL-HAMEED ABD EL-HAMEED MEGAHED



Professor Assistant  
Mathematics Department  
Faculty of Science, Zulfi  
Majmaahh university

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Saudi Arabia	Saudi Arabia

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Office:	Room S189
Link to Homepage:	<a href="http://faculty.mu.edu.sa/amegahed">http://faculty.mu.edu.sa/amegahed</a>

### Research Interests:

Operation research  
Mathematical programming  
Game Theory  
Semi-Infinite programming  
Fuzzy Differential game  
Generalized Convexity

### Qualification (Career and University Education)

1990	B. Sc. Degree (Mathematics)	Grade "very good", Faculty of science, Tanta University.
1997	MS. C. Degree (Mathematics)	Faculty of science, Tanta University.
2003	PhD Degree in Mathematics (Operations research)	Faculty of science, Tanta University.

### Experience (Teaching Experience)

1994-1999	Research Assistant, faculty of science, Tanta University, Ismalia Egypt
1999-2003	Assistant Lecturer at Department of basic Science, faculty of Computer and Informatics, Suez Canal University, Ismalia Egypt
2003-2006	Lecture at Department of basic Science, faculty of Computer and Informatics, Suez Canal University, Ismalia Egypt
2006-	Assistant Professor at Department of Mathematics, College of Science, Majmaahh university, Saudi Arabia

### International Experience

2006-	Visiting Lecturer for Mathematics Department, Majmaahh university
-------	---

### Publication

Study on Fuzzy Differential game, Journal of Fuzzy Mathematics, Los Angles, USA (2001)
A study on Large Scale Continuous Differential Game, Calcutta Mathematical Society, India (2002).
A Study on Fuzzy Differential Game, LE Mathematiche, DI CTANIA, Italia (2001)
Min-Max Zero Sum Two Persons Fuzzy Continuous Differential Game, International Journal of Applied Mathematics, Academic Publication, Sofia, 1054 Bulgaria (2008)
A Combined Interactive Approach for solving E-convex multiobjective nonlinear Programming, Applied Mathematics and Computation (217)(2011)6777-6784, 2011
Optimality conditions of E-convex programming for an E-differentiable function, Journal of Inequalities and

Applications,(2013)

Second Order (F, a, q, d, E)-convex function and the Duality Problem, Journal of the Egyptian Mathematical Society (2014) 22, 23–27

MIN- MAX ZERO SUM TWO PERSONS CONTINUOUS DIFFERENTIAL GAME WITH FUZZY CONTROLS, Asian Journal of Current Engineering and Maths, April (2013) 86 -98.

A Study on the Duality of E-Convex Non-Linear Programming Problem, Int. Journal of Math. Analysis, Vol. 7, 2013, no. 4, 175 - 185

An n-order (F;  $\alpha_+$ ;  $\alpha_-$ ; d)-Convex Function and Duality Problem, Journal of advances in Mathematics, Jan 3,2014

Paper Accepted

A matrix Optimization Theory, Far East Journal of Mathematical Sciences (FJMS)

## Teaching

Differential Geometry	Math	Faculty of Education	Egypt
Linear Algebra	Math	Faculty of Computers and Informatics	Egypt
Calculus in several variable	Math	Faculty of Education	Egypt
Non-linear Programming	Math	Faculty of Science	Egypt
Linear Algebra	Math	Faculty of Education	Egypt
Mathematical for Dynamic Model	Math	Faculty of Computers and Informatics	Egypt
Mathematical Probability	Stat	Faculty of Computers and Informatics	Egypt
Differential Equation	Math	Faculty of Computers and Informatics	Egypt
Partial Differential Equation	Math	Faculty of Computers and Informatics	Egypt
Geometry	Math	Faculty of Computers and Informatics	Egypt
Calculus	Math 101	Zulfi Science	Majmaahh University
Linear Algebra	Math242	Zulfi Science	Majmaahh University
Statistics and Probability	Stat101	Zulfi Science	Majmaahh University
Calculus	Math	Faculty of Science	Egypt
Mathematics Basis	Math231	Zulfi Science	Majmaahh University
Calculus	Math205	Zulfi Science	Majmaahh University
Introduction to Geometry	Math123	Zulfi Science	Majmaahh University
Abstract Algebra	Math	Faculty of Education	Majmaahh University
Vector Calculus	Math202	Zulfi Science	Majmaahh University
Differential Equation	Math204	Zulfi Science	Majmaahh University
Linear Algebra and Analytic Geometry	Math107	Zulfi Science	Majmaahh University
Linear programming	Math356	Zulfi Science	Majmaahh University
Mathematical Methods	Math316	Zulfi Science	Majmaahh University
Mathematical Economic	Econ 331	Zulfi Science	Majmaahh University
Optimization Technique	Oper431	Zulfi Science	Majmaahh University
Preparatory Math1	Math001	Zulfi Science	Majmaahh University
Preparatory Math2	Math002	Zulfi Science	Majmaahh University
Partial Differential Equation	Math422	Zulfi Science	Majmaahh University
Calculus	Math102	Zulfi Science	Majmaahh University
Operations Research and its Application	Cis327	Zulfi Science	Majmaahh University

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**Research Interests:**

Mathematical Statistics

Inventory Models

Estimation theory

**Qualification (Career and University Education)**

1993-1997	B. Sc. Degree (Mathematics)	Grade "very good ", Faculty of science, Tanta University, Egypt
1998-2002	MS. C. Degree (Mathematical Statistics)	Faculty of science, Tanta University, Egypt
2002-2006	PhD Degree (Mathematical Statistics)	Faculty of science, Tanta University, Egypt

**Experience (Teaching Experience)**

1998-2001	Assistant Researcher at Department of Mathematics, faculty of science, Tanta, Tanta University, Egypt
2003-2006	Assistant Lecturer at Department of Mathematics, faculty of Education, Sues , Sues Canal University
2006-2008	Lecture at Department of Mathematics, faculty of Education, Sues , Sues Canal University, Egypt
2008-	Assistant Professor at Department of Mathematics , College of Science, Majmaahh university , Saudi Arabia

**International Experience**

2008-2010	Visiting Lecturer for Mathematics Department , Qassim university
2010-	Visiting Lecturer for Mathematics Department , Majmaahh university

**Publication**

[1] " Probabilistic Multi-item Inventory Model With Varying Holding Cost Under Two Non-Linear Constraints: A Geometric Programming Approach". The 36<sup>th</sup> Annual Conference On Statistics, Computer Sciences And Operation Research, ISSR, Cairo University, Egypt, pp. 51-65. (2001).

[2] " Probabilistic Multi-item Inventory Model With Varying Holding Cost Under Two Linear Constraints: A Geometric Programming Approach". Journal Of A.M.S.A., France., Vol. 23, No. 4, pp. 17-29. (2002).

[3] " Constrained Single Period Stochastic Inventory Model with Instantaneous Demand and Varying Holding Cost". The 39<sup>th</sup> Annual Conference On Statistics, Computer Sciences And Operation Research, ISSR, Cairo University, Egypt, pp. 203-2121. (2004).

[4] " Constrained Probabilistic Inventory Model with Continuous Review and Varying Holding Cost". International Journal of Applied Mathematics, Vol.17, No. 1, pp.53-67, (2005).

[5] Constrained Single Period Stochastic Uniform Inventory Model with Continuous Distribution of Demand and Varying Holding Cost". Science Publications, American Journal of Mathematics and Statistics 2 (1) , pp.334-338. USA, (2006).

**Teaching**

Introduction to probability and statistics	Sta 224	Zulfi Science	Majmaahh University
Principles of statistics	Stat 101	Zulfi Science	Majmaahh University
Principles of distribution theory	Sta 202	Zulfi Science	Majmaahh University
Calculus II	Mat 102	Zulfi Science	Majmaahh University
Forecasting methods	Oper 321	Zulfi Science	Majmaahh University
Data analysis	Sta 438	Zulfi Science	Majmaahh University
Differential Equation	Mat 204	Zulfi Science	Majmaahh University
Probability 1	Sta 211	Zulfi Science	Majmaahh University
<b>Pre Calculus</b>	<b>Math002</b>	<b>Zulfi Science</b>	<b>Majmaahh University</b>

**PROF. DR. MOHAMMED MOHAMMED KHALAF**

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Mathematics Department  
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Majmaahh university

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**Research Interests:**

Topology

Rough sets theory

Lattice theory

Formal concepts analysis

Bitopological Spaces

**Qualification (Career and University Education)**

1992-1996	B. Sc. Degree (Mathematics)	Grade "good", Faculty of science, sohag, South Valley University.
2000-2003	MS. C. Degree (Mathematics)	Faculty of science, sohag, South Valley University.
2005-2009	PhD Degree (Mathematics)	Internal part at Faculty of science, assuit, AL AZHAR University

**Experience (Teaching Experience)**

1999-2003	Study in Demonstrator at Department of Mathematics, faculty of science, sohag, South Valley University
2003-2009	Assistant Lecturer at Department of Mathematics, faculty of science, alrass, qassem University, ksa
2010-2011	Lecture at Department of Mathematics, Higher Institute of Engineering and Technology Alexandria
2011-	Assistant Professor at Department of Mathematics, Faculty of Science, Majmaahh university, Saudi Arabia

**International Experience**

2007-2010	Visiting Scholar, Theoretical computer science, elminea and alexandera
2011-	Visiting Lecturer for Mathematics Department, Majmaahh university

**Publication**

Mohammed . khalaf et all , mu-weak structure , Indean journal of applied reserch , Volume : 4 | Issue : 1 | Jan 2014 | ISSN - 2249-555X ( jan 2014 ) ( Ginpact 2.26 )

Mohammed . khalaf et all , Measure on weak structure , IOSR Journal of Mathematics (IOSR-JM) e-ISSN: 2278-3008, p-ISSN:2319-7676. Volume X, Issue X Ver. I(Jan. 2014), PP 01-00  
( african impact 1.3 )

Mohammed . khalaf , Medical diagnosis via interval valued inti., fuzzy sets Analysis of fuzzy math. And informatics Volume 6, No. 2, (September 2013), pp. 245-249

Zahran A. M., Zeyada F. M. , Azab Abd-Allah M. and Khalaf M. M. (2008), Separation axioms in L-Fuzzifying topology, Far East Journal of Mathematical Science ( FJMS ). vol. 21 no. 2 227-249.

Zeyada F. M. Azab Abd-Allah M. and Khalaf M. M. (2008), Short Communication: A comment on and a characterization of the concept of complete residuated lattice, Journal of nonlinear Sciences and Applications 1 , no.2, 202-204.

I. M. Hanafy, F. S. Mahmoud and Khalaf M. M., Fuzzy topology on fuzzy sets, fuzzy  $\gamma$ -continuity and fuzzy  $\gamma$ -retract, international journal of fuzzy logic and intelligent system vol.4 no. 1, March 2005, PP. 29-34.

I. M. Hanafy, F. S. Mahmoud and Khalaf M. M., intuitionistic fuzzy retracts, international journal of fuzzy logic and

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**intelligent system vol.4 no. 1, March 2005, PP. 40-45.**

F. S. Mahmoud, M.A.FathAlla and Khalaf M. M.,  $F-\gamma$  - open sets,  $F-\gamma$  - continuity and  $F-\gamma$  - retracts, Applied Mathematics and computations 153(2004)117-126.

F. S. Mahmoud, M.A.FathAlla and Khalaf M. M.,  $F_\mu$  -strongly open sets,  $F_\mu$  -strongly continuity and  $F_\mu$  -strongly retracts, Applied Mathematics and computations 137(2003)209-230.

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**Teaching**

Linear Algebra	Math242	Zulfi Science	Majmaahh University
Topology	Math	Higher Institute of Engineering and Technology Alexandria	Egypt,
Mathematics Basis	Math231	Zulfi Science	Majmaahh University
Calculus	Math205	alrass + alzulfi Science	Majmaahh University
Real Analysis	Math	Qassem university alrass Science	<b>Qassem university</b>
Abstract Algebra	Math	Qassem university alrass Science	<b>Qassem university</b>
Differential Equation	Math	Qassem university alrass Science	<b>Qassem university</b>
Partial Differential Equation	Math	Qassem university alrass Science	<b>Qassem university</b>
Geometry	<b>Math</b>	<b>Qassem university alrass Science</b>	<b>Qassem university</b>

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**Research Interests:**

Analysis

Sampling theory

Green's Function

Sturm-Liouville Problems

Integrodifferential eigenvalue Problems

**Qualification (Career and University Education)**

1989-1992	B. Sc. Degree (Mathematics)	Grade "very good ", Faculty of science, Beni-Suef, Cairo University.
1997-2000	MS. C. Degree (Mathematics)	Faculty of science, Cairo University.
2001-2006	PhD Degree (Mathematics )	Faculty of science, Cairo University.

**Experience (Teaching Experience)**

1993-2000	Demonstrator in Mathematics Department, Faculty of Science, Cairo University, Beni-Suef Branch.
2000-2006	Assistant Lecturer in Mathematics Department, Faculty of Science, Cairo University, Beni-Suef Branch.
2006-2011	a) Lecturer in Mathematics Department, Faculty of Science, Cairo University, Beni-Suef Branch from 24-12-2006 to now. b) Lecturer in Mathematics Department, Faculty of Education, Musrata University, Bani-Walid Branch from 15-09-2007 to 06-03-2011.
2011-	Assistant Professor at Department of Mathematics, Faculty of Science, Majmaahh university, Saudi Arabia till now.

**International Experience**

2007-2011	Visiting Lecturer in Mathematics Department, Faculty of Education, Musrata University, Bani-Walid Branch from 15-09-2007 to 06-03-2011.
2011-	Visiting Lecturer in Mathematics Department, Majmaahh university till now.

**Publication**

H. Annaby, H. A. Hassan, O. H. El-Haddad, "Perturbed Discrete Sturm-Liouville Problems and Associated Sampling Theorems." *Rocky Mountain J. of Math. Vol. 39, No. 6, 2009.*

M. H. Annaby, H. A. Hassan, O. H. El-Haddad, "A Perturbed Whittaker-Kotel'nikov-Shannon Sampling theorem." *J. of Math. Anal. and Appl., Vol. 381, Issue 1, 2011, Pages 64-79.*

M. H. Annaby, H. A. Hassan, O. H. El-Haddad, "A sampling theorem in a perturbed Paly-Wiener space." *to appear.*

M. H. Annaby, O. H. El-Haddad, "Sampling associated with perturbed Sturm-Liouville problems." *Submitted to publication.*

**Teaching**

Calculus I	Math 201	Zulfi Science	Majmaahh University
Mathematical Methods	Math 316	Zulfi Science	Majmaahh University
Mathematics Basis	Math 231	Zulfi Science	Majmaahh University
Calculus II	Math 202	Zulfi Science	Majmaahh University
Complex Analysis	Math 484	Beni-Suef Science	Egypt
Functional Analysis	Math 482	Beni-Suef Science	Egypt
Ordinary Differential Equation	Math 321	Beni-Suef Science	Egypt
Partial Differential Equation	Math 422	Zulfi Science	Majmaahh University
Real Analysis	<b>Math 382</b>	<b>Beni-Suef Science</b>	Egypt

**PROF. DR. AHMED MOHAMED ELMOASRY**

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<b>Link to Homepage:</b>	<b><a href="http://faculty.mu.edu.sa/">http://faculty.mu.edu.sa/</a></b>

**Research Interests:**

Topology, Rough sets, Image Processing, Statistics, Probability

**Language Skills**

Arabic, English, French, Germany

**Qualification (Career and University Education)**

1997	B. Sc. Degree (Mathematics)
2003	M.Sc. Degree (Pure Mathematics Statistics)
2010	Ph.D. Degree (Pure Mathematics Computation based on topology)

**Career**

1998-2003	Demonstrator at Department of Mathematics, Aswan faculty of science, Egypt.
2003-2010	Teaching Assistant at Department of Mathematics, Aswan faculty of science Egypt.
2010-2011	Assistant Professor at Department of Mathematics, Aswan faculty of science Egypt.
2011- up to now.	Assistant Professor at Department of Mathematics, Faculty of Science, Majmaahh university, KSA.

**Short Visits**

2007-2009	Scholarship to study Ph.D. in International University Bremen, Germany.
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**Publication**

A Elmoasry, MS Maswadah, L Linsen Semi-Automatic Rough Classification of Multichannel Medical Imaging Data 2012  
 MMK Ahmed Elmoasry  $\mu$ -WEAK STRUCTURES INDIAN JOURNAL OF APPLIED RESEARCH 4 (1), 351-355 , 2014  
 MM Khalaf, A Elmoasry Measure space on Weak Structure IOSR Journal of Mathematics (IOSR-JM) 10 (Issue 1 Ver. I.), PP 54-57 2014  
 MM Khalaf, A Elmoasry  $\mu$ -Weak Structures Annals of Fuzzy Mathematics and Informatics 4 (1), 2014  
 A Elmoasry Topological view for uncertain probability 2010  
 A Elmoasry Bayesian inference on the type II extreme value distribution based on type II progressively censored sample, 2010

**Teaching Experience**

Calculus, Deferential Equations, Numerical Analysis, Statistics, Probability, Fortran Language, C++, ICDDL.
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**Conferences**

2009 <u>Visualization in Medicine and Life Sciences II</u> Bremerhaven, Germany
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2001	Topology Conference	Helwan University	Egypt
2003	Topology Conference	Tanat University,	Egypt
2005	Topology Conference	Tanat University,	Egypt
2007	Topology Conference	PortSaid University,	Egypt
2010	Topology Conference	BanySweef University,	Egypt

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### Training Experience

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University teacher preparation course
Effective Teaching Skills
Effective communication skills course
Code of Ethics course
Research Methods course
Teaching technology S1
ICDL certificate fourth edition
The stimulus on learning course
Trends of modern teaching and Calendar
Build and develop study plans
Education based on problem solving
Strategies to integrate technology in teaching

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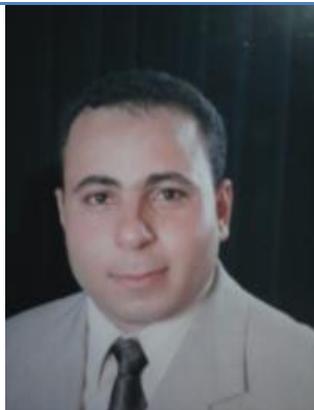
### Practical Skills

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ICDL
C++
FORTTRAN

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## PROF. DR. AHMAD ABD ALLAH ZEDAN



Assistant Professor  
Mathematics Department  
Faculty of Science, Zulfi  
Majmaahh university

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### Research Interests:

**Topology, Rough sets theory, Lattice theory, Formal concepts analysis, Bitopological Spaces**

### Language Skills

Arabic, English , German

### Qualification (Career and University Education)

1994-1998	B. Sc. Degree (Mathematics)	Grade "very good ", Faculty of science, Aswan, South Valley University.
1999-2003	MS. C. Degree (Mathematics)	Faculty of science, Aswan, South Valley University.
2003-2007	PhD Degree	<u>Internal</u> part at Faculty of science, Aswan, South Valley University
2007-2010	(Mathematics )	<u>External</u> part at Theoretical computer science Siegen University, Germany.

### Career

1999-2003	Demonstrator at Department of Mathematics, faculty of science, Aswan, South Valley University
2003-2007	Assistant Lecturer at Department of Mathematics, faculty of science, Aswan, South Valley University
2010-2011	Lecture at Department of Mathematics, faculty of science, Aswan, South Valley University
2011-	Assistant Professor at Department of Mathematics , Faculty of Science, Majmaahh university , Saudi Arabia

### Short Visits (International Experience)

2007-2010	Visiting Scholar, Theoretical computer science, Siegen , Germany
2011-	Visiting Lecturer for Mathematics Department , Majmaahh university

### Publication

- Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; "Changes of approximation spaces", the 17<sup>th</sup> Conference of Topology and its Application, Raas El-Bar July 27-28(2003).
- Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; "Simple expansion of Pawlak approximation space", J. Fuzzy Math. 16, No. 4, 821-833(2008). ISSN 1066-8950.
- Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; "Local discrete expansion of knowledge base ", the 18<sup>th</sup> Conference of Topology and its Application, Zagazig July 27-28( 2004).
- Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; "Supra-approximation space and its expansion", the 19<sup>th</sup> Conference of Topology and its Application, Tanta August 2( 2005).
- Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; " On bi-approximation space",Fifth Annual Conference 24-26 March 2007, Cairo university
- Spreen Dieter, Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; " Lattices of Topological Spaces and its Expanding", The 24<sup>th</sup> Conference on Topology and its Application(2010)
- Spreen Dieter, Abd El-Monsef, M. E.; Abo Khadra, A. A. ; zedan, A. A. ; " Formal Concept Analysis as bitopological Spaces ", Egypt France Mathematics Conference May 3-5, 2010.

**Teaching Experience**

Linear Algebra	Math242	Zulfi Science	Majmaahh University
Topology	Math	Aswan Science	Egypt
Mathematics Basis	Math231	Zulfi Science	Majmaahh University
Calculus	Math205	Zulfi Science	Majmaahh University
Real Analysis	Math	Aswan Science	Egypt
Abstract Algebra	Math	Aswan Science	Egypt
Differential Equation	Math	Aswan Science	Egypt
Partial Differential Equation	Math	Aswan Science	Egypt
Geometry	<b>Math</b>	Aswan Science	Egypt

**Conferences**

Egypt France Mathematics Conference	France Embassy	2010
Conference on Topology and its Application	Tanta	2010
Fifth Annual Conference	Cairo	2007

**Training Experience**

Training "Effective communication skills " , Aswan University , Egypt
Training "Effective teaching skills", Aswan University , Egypt
Training "Decision-making and problem-solving", Aswan University , Egypt
Training " E- Learning " , Majmaahh University , Saudi Arabia
Training " The culture of E-learning" Majmaahh University , Saudi Arabia
Training " The Skills of E-learning" Majmaahh University , Saudi Arabia

**Practical Skills**

ICDL(International Computer Driving License )
Zertifikat Deutsch (Goethe –Zertifikat G3)
Latex Writing , Web Design , Dream weaver

**DR. MOHAMED AHMAD IBRAHIM ATTIA**

Professor Assistant  
Mathematics Department  
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Majmaahh university

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**Research Interests:**

Numerical Analysis  
Operation Research  
Partial Differential Equation  
Special Functions

**Language Skills**

Arabic (mother language).  
English Very Good.

**Qualification (Career and University Education)**

1989-1993	B. Sc. Degree (Mathematics)	Grade "very good ", Faculty of science, Qena, Assiut University.
1996-2005	MS. C. Degree (Mathematics)	Faculty of science, Qena, South Valley University. Title of the Thesis "Spectral/Spline Collocation Methods for the Solutions of Some Partial Differential Equations (PDEs)"
2005-2009	PhD Degree (Mathematics )	Faculty of science, Qena, South Valley University. Title of the Thesis "Ultraspherical Approximations and Their Applications for Solving Optimal Control Problems"

**Career**

1996-2005	Demonstrator at Department of Mathematics, faculty of science, Qena, South Valley University
2005-2009	Assistant Lecturer at Department of Mathematics, faculty of science, Qena, South Valley University
209-2013	Lecture at Department of Mathematics, faculty of science, Qena, South Valley University
2013-	Assistant Professor at Department of Mathematics , Faculty of Science, Majmaahh university , Saudi Arabia

**Short Visits**

2011-	Visiting Lecturer for Mathematics Department , Majmaahh university
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**Publication**

M. El-Kady, H. S. Hussien and M. Ibrahim; "Ultraspherical Spectral Integration Method for Solving Linear Integro-

Differential Equations ", International Journal of Applied Mathematics and Computer Sciences, Vol. 5, No. 1, pp 25-32, (2009).

M. El-Kady and M. Ibrahim; "Ultraspherical Spectral Differentiation Method for Solving System of Initial Value Differential Algebraic Equations"; Computational Methods in Applied Mathematics (CMAM) (2009).

M. El-Kady and M. Ibrahim; "Application of Ultraspherical Series for Solving Quadratic Optimal Control Problems"; 22<sup>nd</sup> International conference on Topology and Its Applications, Helwan, 7-8 July 2008.

M. El-Kady ,M. Ibrahim and F. Ragab; "Ultraspherical Integration Method for Solving Beam Bending Boundary Value Problem"; Journal of Engineering and Applied Sciences – JEAS, ISSN: 1658-6638

### Teaching Experience

Numerical Analysis	Math351	Zulfi Science	Majmaahh University
Operation Research	Math	Qena Science	Egypt
Partial Differential Equation	Math	Qena Science	Egypt
Calculus	Math112	Zulfi Science	Majmaahh University
Advanced Calculus	Math	Qena Science	Egypt
Matlab	Math	Qena Science	Egypt
Differential Equation	Math	Zulfi Science	Majmaahh University
Computer Mathematics	Math	Qena Science	Egypt
computational numerical analysis	Math450	Zulfi Science	Majmaahh University
Fortran language	Math	Qena Science	Egypt
Introduction to the Mathematics	Math110	Zulfi College of Business dministration	Majmaahh University

### Conferences

22nd International conference on Topology and Its Applications	Helwan Science	2008
2nd International Conference on Computer Science Innovation & Technology (CCSIT 2013).	Alexandria Science	2013

### Training Experience

Training " Research Methods " , South Valley University, Egypt

Training "Effective teaching skills", South Valley University, Egypt

Training "Decision-making and problem-solving", South Valley University Egypt

Training " E- Learning " , Majmaahh University , Saudi Arabia

Training " Build and developing study plans" Majmaahh University , Saudi Arabia

### Practical Skills

ICDL (International Computer Driving License), 2006

### Managerial Expertis

Manager of Establishing and Implementing Electronic Portal of South Valley University. , Egypt

Trainer at the center of ICDL Computer, South Valley University, Egypt

Board Member of Mubarak Center for Consulting and Training

Trainer at Pathways to Higher Education,, South Valley University, Egypt

### Programming

Basic, Fortran, some Visual Basic, Matlab, Mathematica

**PROF. DR. ABD EL-NASSER GHAREEB ABD EL-RAHMAN**

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**Research Interests:**

General topology

Fuzzy Topology

Application of Topology

Fuzzy Mathematics

Fuzzy Algebra

**Qualification (Career and University Education)**

2001	B. Sc. Degree (Mathematics)	South Valley University, Egypt.
2007	MS. C. Degree (Mathematics - Topology)	South Valley University, Egypt.
2009	PhD Degree (Mathematics- Topology)	South Valley University, Egypt.

**Experience (Teaching Experience)**

2001	Demonstrator at Department of Mathematics, faculty of science in Qena, South Valley University, Egypt.
2007	Assistant Lecturer at Department of Mathematics, faculty of science in Qena, South Valley University, Egypt.
2009	Lecture at Department of Mathematics, faculty of science in Qena, South Valley University, Egypt.
2012	Assistant Professor at Department of Mathematics , Faculty of Science, Majmaahh university , Saudi Arabia

**International Experience**

Editor in:

(1) Journal of Advanced Research in Pure Mathematics.

(2) Journal of Advanced Studies in Topology.

**Publication**

1. A. M. Zahran, M. Azab Abd-Allah, A. Ghareeb. **R-Fuzzy F**-closed spaces. International journal of fuzzy logic and intelligent systems. 6(3) (2006): 255-263.
2. A. M. Zahran, M. Azab Abd-Allah and A. Ghareeb. Notions of openness and closedness for maps between **L**-fuzzy closure spaces. Hacettepe journal of mathematics and statistics. 35(2) (2006): 161-172.
3. A. M. Zahran, M. Azab Abd-Allah and A. Ghareeb. Fuzzy weakly preopen (preclosed) function in Kubiak-Šostak fuzzy topological spaces. Chaos, solitons & fractals. 39 (2009): 1158-1168.
4. A. M. Zahran, M. Azab Abd-Allah, Kamal El-Saady and A. Ghareeb. Double fuzzy preproximity spaces. International journal of fuzzy logic and intelligent systems. 7(4) (2007): 249-255.
5. A. M. Zahran, M. Azab Abd-Allah, Kamal El-Saady and A. Ghareeb. Sum intuitionistic fuzzy closure spaces. Punjab university journal of mathematics. 40 (2008): 71-81.
6. A. M. Zahran, M. Azab Abd-Allah, Kamal El-Saady and A. Ghareeb. An **(r, s)**-derived sets and double fuzzy closure operators. International journal of fuzzy logic and intelligent systems. 8(1) (2008): 6-10.
7. A. M. Zahran, M. Azab Abd-Allah, Kamal El-Saady and A. Ghareeb. Category of double fuzzy preproximity spaces. International journal computers and mathematics with applications. 58(8) (2009): 1558-1572.
8. M. Azab Abd-Allah, Kamal El-Saady and A. Ghareeb. **(r, s)**-Fuzzy **F**-open sets and **(r, s)**-fuzzy **F**-closed spaces. Chaos,

- solitons & fractals. 42(3) (2009). 649-656.
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### Teaching

#### Topology

Differential Geometry

Real Analysis I

Differential Equations for physics

Calculus I

Calculus II

Preparatory Year Mathematics

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**Research Interests:****Language Skills**

Arabic - English

**Qualification (Career and University Education)**

1981 - 1985	B. Sc. Degree (Mathematics)	Department of Mathematics-Faculty of science – Karachi University - Pakistan
1985 - 1987	MS. C. Degree (Mathematics)	Department of Mathematics-Faculty of science – Karachi University - Pakistan
	PhD Degree (Mathematics )	

**Career**

1995 - 2002	Lecturer at Queen alia college - Jordan
2001 - 2006	Lecturer at Department of Mathematics, faculty of science - Philadelphia University-Jordan
2004 - 2007	Lecturer at, Faculty of Economy and Administrative Sciences - Zarqa Private university-Jordan
2005 - 2007	Lecturer at, Faculty of Economics and Administrative Sciences- The Hashemite University-Jordan

**Short Visits****Publication****Teaching Experience**

Calculus 1, Calculus 2 , Calculus 3	faculty of science	<b>Philadelphia University</b>
Differential equations		
Introduction to statistics - <b>Mathematics of Economics and Business Administration</b>	Faculty of Economy and Administrative Sciences	<b>Zarqa Private university- Jordan</b>
Operation research	Faculty of Economics and Administrative Sciences	<b>The Hashemite University- Jordan</b>
Calculus 1, Calculus 2, Differential equations, Introduction to statistics	Zulfi Science	Majmaah University
Linear Algebra and Analytical Geometry, <b>Mathematics of Economics</b> , Introduction to Mathematics		

**Conferences**

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### Training Experience

Training " E- Learning ", Majmaah University , Saudi Arabia

Smart interactive whiteboards ",Majmaah University"

Perceptions about the typical lecture ",Majmaah University"

Improving the quality of education by using codified models for the evaluation

### Practical Skills

Using smart board in teaching

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**LECTURER: MOHAMMED OMER MAHGOUB MOHAMMED**

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**Research Interests:**

Fluid dynamics, Dynamical systems and Bifurcation control.

**Language Skills**

English , German and Arabic as mother language.

**Qualification (Career and University Education)**

1994 - 1999	B. Sc. Degree (Mathematics)	Sudan university for science and technology.
2004 - 2006	MS. C. Degree (Applied Mathematics)	Alneelain University
2013 - present	PhD Student (Applied Mathematics )	Alneelain University

**Career**

Demonstrator at Department of Information technology, faculty of computer science  
Assistant Lecturer at Department of Mathematics, faculty of science  
Lecture at Department of Mathematics, faculty of science – Zulfi , Majmaah university.

**Short Visits****Publication****Teaching Experience**

Statistics I	STAT 101	College of Computer Sciences	Technology Sciences University - Sudan
Basic Mathematics	Math 102	College of Education	Arab Open University K SA
Vector Calculus	Math 204	College of Science	Majmaah University
Multi-variable Calculus	Math 203	College of Science	Majmaah University
Introduction to Mathematics I	PMTH 111	College of Science	Majmaah University
Introduction to Mathematics II	PMTH 127	College of Science	Majmaah University

Differential Equations	Mat 204	College of Science	Majmaah University
Multi-variable Calculus for Physics	Math 205	College of Science	Majmaah University
Computer Mathematical Applications	Math 353	College of Science	Majmaah University
Topics in Applied Mathematics	Math 411	College of Science	Majmaah University
Introduction to Integral Calculus	Mat 102	College of Science	Majmaah University
Introduction to Analytic Geometry	Math 273	College of Science	Majmaah University

#### Conferences

International Conference in Computer and Information Technology	Tayibah University – Madinah KSA	2012
Scientific specializations in New-established Universities	Majmaah University - KSA	2013

#### Training Experience

Training “ programs and Courses specifications and reports “ Majmaah University KSA.
Training “ using the virtual classrooms in teaching “Majmaah University KSA.
Workshop “ integrating technology in education strategies “Majmaah University KSA.
Training “ using the electronic platforms in teaching “Majmaah University KSA.
Workshop “ developing of students evaluation methods “Majmaah University KSA.
Training “ Cooperative Learning “Majmaah University KSA.

#### Practical Skills

Computer Knowledge and web skills.
German language Diploma
Mathematical software expert [ MATLAB , MATHEMATICA and MAPLE ] .

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#### Research Interests:

#### Language Skills

#### Qualification (Career and University Education)

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MS. C. Degree  
(Mathematics)

PhD Degree  
(Mathematics )

#### Career

Demonstrator at Department of Mathematics, faculty of science

Assistant Lecturer at Department of Mathematics, faculty of science

Lecture at Department of Mathematics, faculty of science,

Assistant Professor at Department of Mathematics , Faculty of Science, Majmaah  
university , Saudi Arabia

#### Short Visits

#### Publication



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**Teaching Experience**

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**Conferences**

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**Training Experience**

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**Practical Skills**

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PhD Degree  
(Mathematics )

**Career**

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Lecture at Department of Mathematics, faculty of science,

Assistant Professor at Department of Mathematics , Faculty of Science, Majmaah university , Saudi Arabia

**Short Visits****Publication**



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**Teaching Experience**

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Lecture at Department of Mathematics, faculty of science,

Assistant Professor at Department of Mathematics , Faculty of Science, Majmaah  
university , Saudi Arabia

#### Short Visits

#### Publication



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**Teaching Experience**

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**Conferences**

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**Training Experience**

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**Practical Skills**

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Assistant Professor at Department of Mathematics , Faculty of Science, Majmaah university , Saudi Arabia

**Short Visits****Publication**



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**Teaching Experience**

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**Conferences**

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**Training Experience**

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**Practical Skills**

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## STATISTICS INFORMATION

Occupation	Number	Non-Saudi	Saudi
Professor	3	3	-
Associate Professor	2	2	-
Assistant professor	10	10	-
Lecturer	4	2	2
Demonstrator	3	-	3
Scholarship	4	-	4
Total		17	9

Illustration shows the percentage of Saudi to non-Saudis to the functional framework

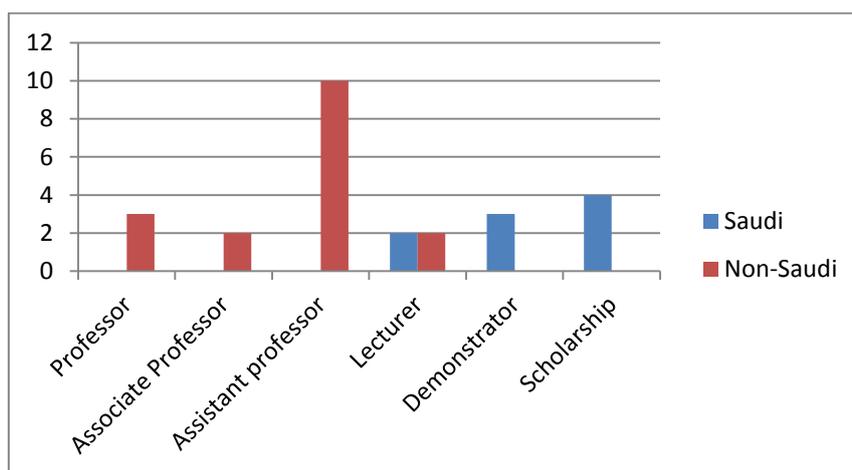


Illustration shows the overall non-Saudi Arabia

The proportion of non-Saudi Arabia 34.6%

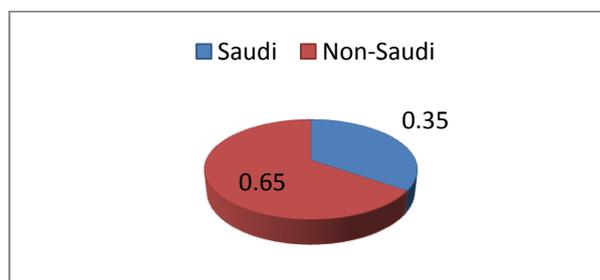


Illustration shows the ratio of faculty staff to students

The Ratio is 1: 14.

