

# Curriculum Vitae

## Dr. Ahmed Elmoasry



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## Education

Date	Education
Dec 2007 – Dec 2009	Jacobs University; PhD, Mathematics; Germany.
Oct 2005 – May 2010	Aswan University; Doctor of Philosophy, Mathematics (Computation based on Topology); Egypt.
Oct 1998 – May 2003	Aswan University, Master of Science, Mathematics (Statistics), Egypt
Nov 1993 – Jun 1997	Aswan University; Bachelor of Science, Mathematics; Egypt

## Thesis

Thesis	Title
PhD	Ahmed Elmoasry: “ <i>Computation Based on Topology</i> ”. 02/2017, Degree: Ph. D Mathematics, Supervisor: Prof. Dr. Mohamed Ezzat Abd El-Monsef Prof. Dr. Abd El-Monem M. Kozae
Master	Ahmed Elmoasry: “ <i>Bayesian Estimation and Prediction Based on Complete and Censored Samples from Extreme Value Distribution</i> ”. 05/2003, Degree: MSc Degree, Supervisor: Prof. Dr. Beih S. El Desouky, Prof. Dr. Mohamed S. Maswadah, DOI:10.13140/RG.2.2.29239.11685

## Work Experience

Date	Experience
Nov 2012 – present	Professor (Assistant); Majmaah University, Department of Mathematics (Al-Zulfi); Riyadh, Saudi Arabia.
Dec 2007 – Dec 2009	PhD Student; Jacobs University, Computer Science and Electrical Engineering Bremen, Germany
Oct 2005 – May 2010	Lecturer (Assistant); South Valley University, Egypt, Mathematics; Aswan, Aswan, Egypt
Jan 1998 – Oct 2003	Teaching (Assistant); South Valley University, Aswan, Aswan, Egypt

## Awards & Grants

Date	Awards & Grants
May 2019	Award: Sites distinguished faculty award, fifth place, Majmaah University
May 2014	Award: Sites distinguished faculty award, fourth place, Majmaah University
May 2013	Award: Sites distinguished faculty award, Eighth place, Majmaah University
Dec 2009	Scholarship: PhD Student Jacobs University, Germany.
Mar 1996	Award: The Perfect Student

## Skills & Activities

<i>Skills</i>	Visualization, Time Series Analysis, Statistics, Classification, Probability Theory, Statistical Modeling, Statistical Inference, Data Analysis, Applied Statistics, Probability, Bayesian Statistics, Applied Probability, Bayesian Inference, Distribution Theory, Statistical Analysis, Mathematical Statistics, R Programming, Time Series, Maximum Likelihood, Sampling, Statistical Computing, Bayesian Analysis, 3D, Rough Sets, Medical Imaging, Segmentation, Regression Analysis, Multivariate Statistics, Computational Statistics, R Statistical Package, Linear Regression, Hypothesis Testing, Normal Distribution, Random Sampling, Multivariate Data Analysis, Regression Modeling
<i>Languages</i>	Arabic, English, German, French
<i>Scientific Memberships</i>	Egyptian Mathematics Association
<i>Interests</i>	Reading, Sport.

## Publication

#	Paper	Year Quartile Impact Factor
[1]	<a href="#">A dual layer security scheme for medical images using Hessenberg and singular value decompositions</a> A Elmoasry, LS Khan, M Khan, I Hussain Multimedia Tools and Applications, 1-22	2022 Q2 2.757
[2]	<a href="#">Study of triangular fuzzy hybrid nanofluids on the natural convection flow and heat transfer between two vertical plates</a> M Nadeem, A Elmoasry, I Siddique, F Jarad, RM Zulqarnain, Computational Intelligence and Neuroscience 2021	2021
[3]	<a href="#">N -version of the neutrosophic cubic set: application in the negative influences of Internet</a> M Gulistan, A Elmoasry, N Yaqoob The Journal of Supercomputing 77 (10), 11410-11431	2021

[4]	<a href="#">Numerical Scheme for Finding Roots of Interval-Valued Fuzzy Nonlinear Equation with Application in Optimization</a> A Elmoasry, M Shams, N Yaqoob, N Kausar, YU Gaba, N Rafiq Journal of Function Spaces 2021	2021
[5]	<a href="#">Particle rotation effects in Cosserat-Maxwell boundary layer flow with non-Fourier heat transfer using a new novel approach</a> MB Hafeez, MS Khan, IH Qureshi, J Alebraheem, A Elmoasry Scientia Iranica 28 (3), 1223-1235	2021
[6]	<a href="#">On rough fuzzy prime ideals in left almost semigroups</a> A Elmoasry International Journal of Analysis and Applications 19 (3), 455-464	2021
[7]	<a href="#">Role of variable conductance on heat and mass transport mechanism using generalized theory</a> IH Qureshi, A Elmoasry, J Alebraheem, M Nawaz Journal of Thermal Science and Engineering Applications 13 (2)	2021
[8]	<a href="#">Deterministic sudden changes and stochastic fluctuation effects on stability and persistence dynamics of two-predator one-prey model</a> J Alebraheem, NS Elazab, M Mohammed, A Riahi, A Elmoasry Journal of Mathematics 2021	2021
[9]	<a href="#">Complex bipolar fuzzy sets: An application in a transport's company</a> M Gulistan, N Yaqoob, A Elmoasry, J Alebraheem Journal of Intelligent & Fuzzy Systems, 1-17	2021
[10]	<a href="#">Research Article Study of Triangular Fuzzy Hybrid Nanofluids on the Natural Convection Flow and Heat Transfer between Two Vertical Plates</a> M Nadeem, A Elmoasry, I Siddique, F Jarad, RM Zulqarnain, ...	2021
[11]	<a href="#">Journal: The Journal of Supercomputing, 2021</a> M Gulistan, A Elmoasry, N Yaqoob The Journal of Supercomputing	2021
[12]	<a href="#">Double diffusion in Carreau liquid suspended with hybrid nanoparticles in the presence of heat generation and chemical reaction</a> Z Abdelmalek, U Nazir, M Nawaz, J Alebraheem, A Elmoasry International Communications in Heat and Mass Transfer 119, 104932	2020
[13]	<a href="#">Quantum harmonic oscillator and schrodinger paradox based nonlinear confusion component</a> S Tariq, A Elmoasry, SI Batool, M Khan International Journal of Theoretical Physics 59 (11), 3558-3573	2020
[14]	<a href="#">Influence of Chemical Reaction on Heat and Mass Transfer in MHD Radiative Flow due to Non-Coaxial Rotations of Disk and Fluid at Infinity</a> S Rana, MZ Iqbal, M Nawaz, HZI Khan, J Alebraheem, A Elmoasry Theoretical Foundations of Chemical Engineering 54 (4), 664-674	2020
[15]	<a href="#">Fuzzy Parameterized Complex Multi-Fuzzy Soft Expert Set in Prediction of Coronary Artery Disease</a> A Elmoasry	2020

	Journal of Progressive Research in Mathematics(JPRM) 16 (4), 3133-3157	
[16]	<a href="#">Impact of monocity and hybridity of nano-structures on thermal performance of micropolar fluid with novel heat flux theory: the Cattaneo–Christov heat flux theory</a> M Nawaz, A Elmoasry, J Alebraheem, RS Saif Journal of Materials Research and Technology 9 (4), 8618-8626	2020
[17]	<a href="#">Numerical investigation on transport of momenta and energy in micropolar fluid suspended with dusty, mono and hybrid nano-structures</a> H Kaneez, J Alebraheem, A Elmoasry, RS Saif, M Nawaz AIP Advances 10 (4), 045120	2020
[18]	<a href="#">On complex wave structures related to the nonlinear long–short wave interaction system: Analytical and numerical techniques</a> C Yue, A Elmoasry, MMA Khater, MS Osman, RAM Attia, D Lu, NS Elazab AIP Advances 10 (4), 045212	2020
[19]	<a href="#">ELECTRODYNAMIC INSTABILITY OF A SELF-GRAVITATIONAL COMPOUND LIQUID JET</a> NS Elazab, AM Elmoasry, G Alebraheem International Journal 76 (3/1)	2020
[20]	<a href="#">Investigation of soliton solutions with different wave structures to the (2+ 1)-dimensional Heisenberg ferromagnetic spin chain equation</a> MS Osman, KU Tariq, A Bekir, A Elmoasry, NS Elazab, M Younis, ... Communications in Theoretical Physics 72 (3), 035002	2020
[21]	<a href="#">m-Polar fuzzy hyperideals in LA-semihypergroups</a> A Elmoasry, N Yaqoob International Journal of Analysis and Applications 17 (3), 329-341	2019
[22]	<a href="#">Transmuted Weibull logistic distribution</a> MM Nassar, SS Radwan, A Elmasry International Journal of Innovative Research & Development 6, 122-131	2019
[23]	<a href="#">Physicochemical and bacteriological status of retail-marketed shrimps and crabs in Beni-Suef, Egypt</a> F HM Ali, G M Oaf, A A Elmasry, AHA Hassan Journal of Veterinary Medical Research 25 (2), 230-237	2018
[24]	<a href="#">A Supervised Learning Approach using the Combination of Semantic and Lexical Features for Arabic Community Question Answering</a> M Abdel-Latif, M Samir, S Abdel-Aziz, M Heeba, A Elmasry, M Torki 2018 IEEE/ACS 15th International Conference on Computer Systems and ...	2018
[25]	<a href="#">Preparation of amphiphilic block copolymers (polyethylene adipate-block-polyethylene glycol) and its application in rotogravure ink formulations</a> Y Assem, HA Mohamed, R Said, A El-Masry Pigment & Resin Technology	2018
[26]	<a href="#">Synthesis of polyesteramides: poly (ethylene adipate amide) and poly (ethylene succinate amide) and their application as corrosion inhibitors in paint formulations</a>	2018

	HA Mohamed, Y Assem, R Said, AM El-Masry Journal of Coatings Technology and Research 15 (5), 967-981	
[27]	<a href="#"><u>Increased expression of CTLA4 by T cells, induced by B7 in sera, reduces adaptive immunity in patients with acute liver failure</u></a> W Khamri, RD Abeles, TZ Hou, AE Anderson, A El-Masry, E Triantafyllou, ... Gastroenterology 153, 263-276	2017
[28]	<a href="#"><u>Novel Core–Shell of Polymethyl Methacrylate/butyl Acrylate/vinyl Silica Nanocomposite Particles through Seed Emulsion Polymerization</u></a> HY Mostafa, Al Hussain, AM EL-Masry, A Maher Polymer-Plastics Technology and Engineering 56 (4), 411-420	2017
[29]	<a href="#"><u>Thermomechanical properties of styrene-butyl acrylate/organo-silica nanocomposite films prepared by seed emulsion polymerization</u></a> AESI Ahmed, Al Hussain, AM El-Masry, A Saleh Polymer Composites 38 (1), 61-67	2017
[30]	<a href="#"><u>Classification of MR medical images Based Rough-Fuzzy K-means</u></a> AM Elmoasry IOSR Journal of Mathematics 13, 69-77	2017
[31]	<a href="#"><u>Classification of MR medical images via rough theory with K-means</u></a> AM Elmoasry	2016
[32]	<a href="#"><u>Paternal dapoxetine administration induced deterioration in reproductive performance, fetal outcome, sexual behavior and biochemistry of male rats</u></a> R EIMazoudy, N AbdelHameed, A EIMasry International Journal of Impotence Research 27 (6), 206-214	2015
[33]	<a href="#"><u>Nanogeneralized-closed sets and Slightly NanoSeparation Axioms</u></a> MM Khalaf, A Elmoasry Global Journal of Pure and Applied Mathematics 11 (2), 123-130	2015
[34]	<a href="#"><u>Exchange Rate and Interest Rate Exposure of UK Industries Using First-order Autoregressive Exponential GARCH-in-mean (EGARCH-M) Approach</u></a> M Olugbode, A El-Masry, J Pointon The Manchester School 82 (4), 409-464	2014
[35]	<a href="#"><u>Testing of medical tablets produced with microcrystalline cellulose prepared from agricultural wastes</u></a> AESI Ahmed, ML Hassan, AM El-Masry, AM El-Gendy Polymer composites 35 (7), 1343-1349	2014
[36]	<a href="#"><u><math>\mu</math>-Weak Structures</u></a> A ELMOASRY INDIAN JOURNAL OF APPLIED RESEARCH 4, 351-355	2014
[37]	<a href="#"><u>Measure space on Weak Structure</u></a> A ELMOASRY IOSR Journal of Mathematics (IOSR-JM) 10, 54-57	2014
[38]	<a href="#"><u>Measure space on Weak Structure</u></a> MM Khalaf, A Elmoasry	2014

	IOSR Journal of Mathematics IOSR-JM 10 (1), 54-57	
[39]	<a href="#">μ-Weak Structures</a> MM Khalaf, A Elmoasry	2013
[40]	<a href="#">A variable impact neural network analysis of dividend policies and share prices of transportation and related companies</a> HA Abdou, J Pointon, A El-Masry, M Olugbode, RJ Lister Journal of International Financial Markets, Institutions and Money 22 (4 ...	2012
[41]	<a href="#">A study of generalized logistic distributions</a> MM Nassar, A Elmasry Journal of the Egyptian Mathematical Society 20 (2), 126-133	2012
[42]	<a href="#">Semi-automatic rough classification of multichannel medical imaging data</a> A Elmoasry, MS Maswadah, L Linsen Visualization in Medicine and Life Sciences II, 71-89	2012
[43]	<a href="#">Preparation and Reactions of Optically Active Cyanohydrins Derived from 4-Chlorobenzaldehyde, Cyclohexanone and 2-Methylcyclohexanone using the (R) Hydroxynitrile lyase from ...</a> HAA Yosef, AM Elmasry, EHI Ismael, MRH Mahran Egypt. J. Chem 53 (5), 745-775	2010
[44]	<a href="#">Corporate governance, ownership structure and firm performance of Egyptian listed companies</a> AA El-Masry Corporate Ownership and Control 8 (1), 35-551	2010

## Seminars and conferences المؤتمرات والسينارات

#	Seminars and conferences	Place	Date
1.	Topological Symposium 14 Topology and its applications	Helwan University, Egypt	2000
2.	Topological Symposium 17 Topology and its Applications	Cairo University, Egypt	2003
3.	Topological Symposium 19 Topology and its applications,	Tanta University, Egypt	2005
4.	Topological Symposium 21 Topology and its applications	Suez Canal University, Egypt	2007
5.	Conference topology and its applications,	Cairo University, Egypt	2006
6.	Visualization in Medicine and Life Sciences Conference	Bremerhaven, Germany	2009
7.	Topology and Applications Conference	Bani Suef, University, Egypt	2010
8.	The second International Conference of assessment & Evaluation	National Center for Assessment, Saudi Arabia	2015

9.	<b>The First International Conference of Mathematics &amp; Applications</b>	Qassim University, Saudi Arabia	2020
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## الدورات العلمية والتأهيلية **Training Experience**

Year	الفترة		اسم الدورة	م
	إلى	من		
2002	19/2/2002	9/2/2002	University teacher preparation course	1
2005	8/6/2005	5/6/2005	Effective communication skills course	2
	27/9/2005	25/9/2005	Code of Ethics course	3
	10/11/2005	7/11/2005	Teaching technology S1	4
2006	21/2/2006	18/2/2006	Research Methods course	5
	1/3/2006	26/2/2006	Effective Teaching Skills	6
	2006	2006	ICDL certificate fourth edition	7
2012	19/3/2012	17/3/2012	The stimulus on learning course	8
	9/4/2012	7/4/2012	Trends of modern teaching and Calendar	9
	16/4/2012	14/4/2012	Build and develop study plans	10
	23/4/2012	21/4/2012	Education based on problem solving	11
	30/4/2012	28/4/2012	Strategies to integrate technology in teaching	12
	11/11/2012	11/11/2012	The most suitable programs for academic accreditation	13
	02/12/2012	04/12/2012	E - Learning System Skills	14
	18/12/2012	20/12/2012	Use Photoshop for Teaching	15
	2013	13/05/2013	13/05/2013	How to use the Saudi Digital Library and research skills in the digital environment
29/10/2013		29/10/2013	Excellence in teaching and learning	17
2014	01/04/2014	02/04/2014	Academic accreditation requirements according to the standards of the German Academic Accreditation Authority (ASIIN)	18
	20/03/2014	20/03/2014	Improve the quality of education using standardized evaluation models (Rubric)	19
	09/04/2014	09/04/2014	Program National Academic Accreditation	20
	18/09/2014	18/09/2014	Building and managing electronic tests	21
	28/10/2014	28/10/2014	Leaders not Managers	22

2016	02/03/2016	02/03/2016	Application of quality management system (ISO 9001:2008)	تطبيق نظام إدارة الجودة (ISO 9001:2008)	23
2017	07/02/2017	08/02/2017	Measurement of learning outcomes	قياس مخرجات التعلم	24
	22/03/2017	23/03/2017	Preparation of self-study report	إعداد تقرير الدراسة الذاتية	25
2018	13/02/2018	13/02/2018	Internal audit of academic programs	المراجعة الداخلية للبرامج الأكاديمية	26
	25/11/2018	25/11/2018	Teaching strategies	استراتيجيات التدريس	27
	01/12/2018	01/12/2018	Measuring performance indicators and benchmarking	قياس مؤشرات الأداء والمقارنة المرجعية	28
	03/12/2018	03/12/2018	Requirements for Academic Accreditation	متطلبات الاعتماد الأكاديمي	29

## Academic accreditation Services أنشطة الاعتماد الأكاديمي

م	النشاط	الفترة			
		من	إلى	Year	
	المشاركة ضمن فرق الفحص والمراجعة بمشروع البرامج الأكثر جاهزية للاعتماد الأكاديمي	Participate in the examination and review teams in the most advanced programs for academic accreditation	09/12/2012	09/12/2012	
1	فحص وثائق البرامج الأكثر جاهزية للاعتماد الأكاديمي	Examining the documents of the most suitable programs for academic accreditation	04/12/2013	03/12/2013	
2	إدارة وحدة الاعتماد الأكاديمي وحصول برامج كلية العلوم بالزلفي علي الاعتماد الأكاديمي الدولي	Managing the academic accreditation unit and contributing to the programs of the Faculty of Sciences in Zulfi to the international academic accreditation			2015
3	المشاركة في حصول برامج كلية التربية بالزلفي (الأحياء - الفيزياء - الرياضيات- الكيمياء ) علي الاعتماد الأكاديمي الدولي				2017
4	المشاركة في حصول برنامج الأحياء كلية التربية بالمجموعة علي الاعتماد الأكاديمي الدولي				2018
5	إدارة وحدة ضمان الجودة وحصول برنامج الرياضيات كلية العلوم بالزلفي NCAAA علي الاعتماد الأكاديمي				2020-2022

## Community Service أنشطة خدمة المجتمع

Year	الفترة		اسم الدورة	م
	إلى	من		
2021			دورة التفوق الدراسي	1
2019			فن التعامل مع الآخرين	2
2019	27/02/2019	27/02/2019	دورة كيفية كتابة السيرة الذاتية	3