C. V.

Prof. Dr. Hamdy M. Youssef

Name:	Hamdy Mahmoud Youssef	
Date of Birth:	April 22, 1971	
Place of Birth:	Alexandria, Egypt	
Nationality:	Egyptian	
Address in Egypt:	Mathematics Department, Faculty of Education, Alexandria University, Alexandria, Egypt.	
Current Address:	Mathematics Department, Faculty of Engineering, Umm Al-Qura University, Makkah, PO 5555-Saudi Arabia.	
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Current position:	Professor of Applied Mathematics, Umm AL-Qura University	
	Editor –in-Chief Journal of Thermoelasticity	
M. SC. Title:	On magneto generalized thermoelasticity with one relaxation time	
Ph.D. Title:	On generalized thermoelasticity with variable material properties	

Qualification

- 1- B. Sc. of Mathematics, Faculty of Science, Alexandria University with grade of very good with honor, May 1992.
- 2- Demonstrator in the Faculty of Education Mathematics Department, Alexandria University, 1993-1997.
- 3- M. Sc. of Applied Mathematics, Faculty of Science, Alexandria University, May 1997.
- 4- Ph. D. of Applied Mathematics, Faculty of Science, Alexandria University, March 2003.
- 5- Lecturer in the Faculty of Education, Mathematics Department, Alexandria University, 1997-2003.
- 7- Lecturer in the Faculty of Engineering and Technology of Arab Academy for Science and Technology, (Part time) 1996- 2003
- 8- Assistant Professor in the Faculty of Education, Mathematics Department, Alexandria University 2003-2004.
- 9- Assistant Professor in the Faculty of Engineering and Technology of Arab Academy for Science and Technology, (Part time) 2003- 2004.
- 10- Assistant Professor of Applied Mathematics in Umm-Al-Qura University, 2004-2008.
- 11- Associated Professor of Applied Mathematics in Umm-Al-Qura University, 2008-2012.
- 12- Professor of Applied Mathematics, Umm-Al-Qura University, 2011-till now.
- 13- Consultant of ICRS for Scientific Chairs of Umm AL-Qura University.
- 14- Professor of Applied Mathematics, Alexandria University, 2014.

Teaching Under Graduate Courses

Calculus 1 &2	Linear Algebra	Numerical analysis
Differential Equations	Partial Differential Equations	Fluid Mechanics
Rigid Body Motion	Theory of Elasticity	Magnetic Field
Vectors Analysis	Statistics	Thermoelasticity
Dynamics	Statics	Electricity and Magnetism

Teaching Post Graduate Courses

Teaching course of **Elasticity** for **Ph. D.** students of Umm Al-Qura University 1430 H. Teaching course of **Article of research** for Ph. D. students of Umm Al-Qura University 1430 H. Member in the final exam of the Doctorate student of Umm Al-Qura University 1430 H.

<u>Training</u>

- 1- Mathematical Summer Courses in Perugia, ITALY, 2001.
- 2- ICDL (International Computer Driving License) UNESCO, 2004.

<u>Book</u>

Wave Propagation in the Two-Temperature Theory of Thermoelasticity, **Encyclopedia of Thermal Stresses**, pp. 6492-6495, 2014.

Membership

- 1. Member of the Egyptian Mathematical Society.
- 2. Member of the Scientists Society in Egypt.
- 3. American Nano Society (116616)
- 4. American Mathematical Society (YSHMMA).
- 5. European Mechanics Society (EM 120046)

Honors and Awards

- Chosen as a candidate for inclusion in the 2006-2007(9th) Edition of Who's who in Science and Engineering.
- 2- 2000 Outstanding Intellectuals of the 21st Century-2006- Cambridge University.
- 3- 21st Century Award for Achievement in Science and Engineering, Cambridge University, 2006.

Journals Refereeing and Reviewer

- 1- Chief-in-Editor Journal of Thermoelasticity JOT
- 2- International Journal of Solids and Structures, USA.
- 3- The Allahabad Mathematical Society, INDIA.
- 4- Journal of vibration and control

- 5- Mathematical and Computer Modeling
- 6- Proceedings of the Institution of Mechanical Engineers, Part C, Journal of Mechanical Engineering Science
- 7- The Journal of Lithuanian Association of Nonlinear Analysts (LANA)
- 8- Mathematical and Computer Modeling Journal
- 9- Journal of thermal stresses

And many other journals

Grand Projects

The Project Title	Project Number	Supported By	Date
The Deformation of Elastic Medium Thermally Excited by Pulsed Laser	42905012	Umm Al-Qura University	2008
Some of Statistical Methods on Studying the Generalized Magneto-Thermoelasticity	42905009	Umm Al-Qura University	2008
hermoelasticity Applications on Porous sphaltic Materials	43108004	Umm Al-Qura University	2010
FractionalOrderGeneralizedThermoelasticity of Piezoelectric Materials	S2011-6	Sabic & Umm Al- Qura University	2011
Thermoelastic Waves in Gold Nano-Beams Induced by Laser Pulse	10-Mat 1243-10	NSTIP-KSA	2012
Fractional order thermoelasticity of elastic material with variable thermal conductivity	75-34-MS	King Abdulaziz City for Science and Technology (KACST)	2013
Three-Dimensional Problem of Two- Temperature Thermoelastic Half Space Subjected To Moving Heat Source	43405056	Umm Al-Qura University	2013

Conferences

- The International Conference on Mathematics, Nuclear Physics and Applications in the 21st Century (ICMNPA), Cairo, 2003
- 2- The Thirteenth Conference for Computer and its Application, Arab Academy for Science and Technology, Alexandria, 2003.
- 3- The Sixth AMU Pan-African Congress of Mathematicians (PACOM, Tunisia), 2004.
- 4- Second Annual Doha Conference on Applied Mathematics and Computational Science Jointly sponsored by Texas A&M at Qatar and Carnegie Mellon in Qatar. March 30-April 1, 2008.
- 5- The Fourth Saudi Science Conference- Almadinah Almunawwarah- March 12-24, 2010.
- 6- Congrès Franco-Egyptien de Mathématiques Egypt-France Mathematical Conference, Cairo, May 3-5, 2010.
- 7- 9th International Congress on Thermal Stresses 2011-during June 5-9- Budapest University of Technology and Economics and Hungarian Academy of Sciences Budapest-Hungary, 2011.
- 8- 8th European Solid Mechanics, Graz, Austria, July 9-13, 2012
- 9- TS2005-6th International Congress on Thermal Stresses, May 26-29, Vienna, Austria, 2005.
- 10-WSEAS / NAUN International Conferences Milan, Italy, January 9-11, 2013.
- 11- ASME 2013 International Mechanical Engineering Congress & Exposition, November 15-21, San Diego, CA, USA, 2013.

Publications Before PhD

- 1- Hany Sherief and Hamdy M. Youssef, State Space Approach to Magneto-Thermoelasticity with Thermal Relaxation, Ms. S, Faculty of Science, Alex. Uni. May 1997.
- 2- Hany Sherief and Hamdy M. Youssef, A Thermal Shock Problem for a Half-Space in Magneto-Thermoelasticity with Thermal Relaxation, Ms. S, Faculty of Science, Alex. Uni. May 1997.
- 3- Hany Sherief and Hamdy M. Youssef, Generalized Thermoelastic Problem of a Half-Space With Variable Thermal Conductivity, Ph. D., Faculty of Science, Alex. Uni. 2003.
- Hany Sherief and Hamdy M. Youssef, A Two-Dimensional Generalized Thermoelasticity Problem With Variable Thermal Conductivity for a Half-Space, Ph. D., Faculty of Science, Alex. Uni. March 2003.
- 5- Hany Sherief and Hamdy M. Youssef, Generalized Thermoelastic Problem for an Infinite Body with a Cylindrical Cavity and Variable Thermal Conductivity, Ph. D., Faculty of Science, Alex. Uni. March 2003.
- Hany Sherief and Hamdy M. Youssef, Generalized Thermoelasticity with One Relaxation Time for a Non-Homogeneous Thick Plate, Ph. D., Faculty of Science, Alex. Uni. March 2003.

Publications After Ph. D.

- H. M. Youssef and N. M. El-Maghraby, State Space Approach to Generalized Thermoelastic Problem with Thermo-Mechanical Shock, J. Applied Mathematics and Computation, vol. 156, Issue 2, pp. 577-586, 2004.
- 2- Hany Sherief and H. M. Youssef, Short Time Solution for a Problem in Magneto-Thermoelasticity with Thermal Relaxation, J. Thermal Stresses, vol. 27, pp. 1-23, 2004 (From Ph.D. Thesis).
- 3- H. M. Youssef and M. A. Ezzat, Generalized Magneto-Thermoelasticity In A Perfectly Conducting Medium, International Journal of Solids and Structures, vol. 42, pp. 6319-6334, 2005.
- 4- H. M. Youssef, State-Space on Generalized thermoelasticity for an infinite Material with a Spherical Cavity and Variable Thermal conductivity Subjected to Ramp-Type Heating, Journal of CAMQ, Applied Mathematics Institute, vol. 13, No. 4, pp. 369-390, 2005.
- 5- H. M. Youssef, The Dependence of The Modulus of Elasticity And The Thermal Conductivity on The Reference Temperature in Generalized Thermoelasticity For An Infinite Material With A Spherical Cavity, journal of Applied Mathematics and Mechanics, ISSN0253-4827, vol.26, No.4, 2005.
- 6- H. M. Youssef, Generalized Thermoelasticity of an Infinite Body with a Cylindrical Cavity and Variable Material Properties, J. Thermal Stresses, vol. 28, Number 5, pp. 521 -532, 2005.
- 7- H. M. Youssef and N. M El-Maghraby, A Two-Dimensional Thermoelasticity Problem For Thermo-mechanical Shock With Two Relaxation Times, J. Applied Mathematics and Computation (AMC), vol. 120, pp.172-184, 2005.
- 8- H. M. Youssef, Generalized Magneto- Thermoelasticity in a Conducting Medium with Variable Material Properties, Applied Mathematics and Computation (AMC), vol. 173, pp. 882-833, 2006.

- 9- M. A. Ezzat and H. M. Youssef, Generation of Generalized Magneto-Thermoelastic Waves by Thermal Shock In A Half-Space of Finite Conductivity, The Italian J. of pure and Applied Math., vol. 19, pp. 9-26, 2006.
- 10-H. M. Youssef, Theory of Two-Temperature Generalized Thermoelasticity, IMA Journal of Applied Mathematics, vol.71(3), pp. 383-390, 2006.
- 11-H. M. Youssef and A. A. El-Bary, Thermal Shock Problem of A Generalized Thermoelastic Layered Composite Material With Variable Thermal Conductivity, Journal of Mathematical problem in Engineering, Article ID 87940, pp. 1–14, 2006.
- 12-H. M. Youssef, Problem of Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected to a Ramp-Type Heating and Loading, J. Archive of App. Mech., vol. 75, pp. 553-565, 2006.
- 13-H. M. Youssef, Two-Dimensional Generalized Thermoelasticity Problem for a Half-Space Subjected to Ramp-Type Heating. Euro. J. Mech.-A/Solids, vol. 25, pp. 745-763, 2006.
- 14-H. M. Youssef and A. A. El-Bary, Thermal Shock Problem for One Dimensional Generalized Thermoelastic layered Composite Material, Journal of Mathematical and Computational Applications, vol. 11, No. 2, pp. 103-110, 2006.
- 15-H. M. Youssef, N. M. El-Maghraby and A. A. El-Bary, State Space Approach to Thermoelastic Problem with Vibrational Stresses, Computational Mathematics and Modeling vol. 17, pp. 243 253, 2006.
- 16-H. M. Youssef and A. A. El-Bary, Mathematical Model for Thermal Shock Problem of a Generalized Thermoelastic Layered Composite Material with Variable Thermal Conductivity, Journal of Computational Methods in Science and Technology, vol. 12, No. 2, pp. 165-171, 2006.
- 17-H. M. Youssef and A. A. El-Bary, Generalized thermoelasticity for an infinite material with variable thermal conductivity, J. Advanced in Mathematical Sciences and Applications, vol. 16(1), pp. 339-353, 2006.

- 18-H. M. Youssef, Two-Temperature Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected to Different Types of Thermal Loading, Journal of WSEAS Transactions on Heat and Mass Transfer, Issue 10, Vol. 1, pp. 769-776, 2006.
- 19-H. M. Youssef and Eman A. Al-Lehaibi, State-space approach of two -temperature generalized thermoelasticity of one dimensional problem, International Journal of Solid and structure, vol. 44, pp. 1550-1562, 2007.
- 20- H. M. Youssef, Theory of generalized porothermoelasticity, International Journal of Rock Mechanics and Mining Sciences, vol. 44, pp. 222-227, 2007.
- 21-H. M. Youssef and Amnah H. Al-Harby, State-Space Approach of Two-Temperature Generalized Thermoelasticity of Infinite Body with a Spherical Cavity Subjected to Different Types of Thermal Loading, Journal of Archive of Applied Mechanics, vol. 77(9), pp. 675-687, 2007.
- 22- H. M. Youssef and I. A. Abbas, Thermal Shock Problem of generalized Thermoelasticity for an Infinite Long Annular Cylinder With variable Thermal Conductivity, Journal of Computational Methods in Science and Technology, vol. 13(2), pp. 95-100, 2007.
- 23-E. Bassiouny and H. M. Youssef, Two-Temperature Generalized Thermopiezoelasticity of Finite Rod Subjected to Different Types of Thermal Loading, Journal of Thermal Stresses, vol. 31, pp. 233-245, 2008.
- 24-H. M. Youssef, Two-Dimensional Problem of Two-Temperature Generalized Thermoelastic Half-Space Subjected to Ramp-Type Heating, Journal of Computational Mathematics and Modeling, vol.19, No. 2, pp. 201-216, 2008.
- 25-H. M. Youssef and Nasser M. El-Maghraby, Variational Theorem of Two-Temperature Generalized Thermoelasticity, Journal of Mathematical Control Science and Applications (JMCSA), vol. 2, No.2, pp. 51-57, 2008.
- 26- H. M. Youssef and E. Bassiouny, Two-temperature generalized thermo-piezoelasticity for one dimensional problems - state space approach, Journal of Computational Method in Science and Technology, vol. 14, No. 1, 2008.

- 27-Magdy A. Ezzat and H. M. Youssef, Stat-Space Approach Of Conducting Magneto-Thermoelastic Medium With Variable Thermal Conductivity Subjected To Ramp-Type Heating, Journal of Thermal Stresses, vol. 32, pp. 414–427, 2009.
- 28-H. M. Youssef, Generalized thermoelastic infinite medium with cylindrical cavity subjected to moving heat source, Mechanics Research Communications, vol. 36, pp. 487– 496, 2009.
- 29- H. M. Youssef and A.A. El-Bary, Generalized Thermoelastic Infinite Layer Subjected to Ramp-Type Thermal and Mechanical Loading under Three Theories –State Space Approach, J. Thermal Stresses, vol. 32, pp. 1293-1310, 2009.
- 30-H. M. Youssef, State-Space Approach of Two-Temperature Generalized Thermoelastic Medium Subjected to Moving Heat Source and Ramp-Type Heating, Journal of Mechanics of Materials and Structures, vol. 4, No. 9, pp. 1637-1649, 2009.
- 31-Ibrahim A. Abbas and H. M. Youssef, Finite element analysis of two-temperature generalized magneto-thermoelasticity, Archive of Applied Mechanics, vol. 79(10), pp. 917-925, 2009.
- 32-H. M. Youssef and A. A. El-Bary, Two-temperature generalized thermoelasticity with variable thermal conductivity, Journal of Thermal Stresses, vol. 33, pp.187–201, 2010.
- 33-H. M. Youssef, Two-Temperature Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected to Moving Heat Source, J. Archive of Applied Mechanics, vol. 80, 1213–1224, 2010.
- 34- H. M. Youssef, Generalized thermoelastic infinite medium with spherical cavity subjected to moving heat source, J. Computational Mathematics and Modeling, vol. 21(2), pp. 212-227, 2010.
- 35-Magdy Ezzat and H. M. Youssef, Stokes' first problem for an electro-conducting micropolar fluid with thermoelectric properties, J. Canadian Journal of Physics, vol. 88(1), pp. 35-48, 2010.

- 36- H. M. Youssef, Theory of fractional order generalized thermoelasticity, J. Heat Transfer (ASME), vol.132 (6), pp.1-7, 2010.
- 37-H. M. Youssef and Eman O. Al-Leheabi, Variational Principle of Fractional Order Generalized Thermoelasticity, Applied Mathematics Letters, vol. 23, pp.1183-1187, 2010.
- 38-Magdy A. Ezzat and H. M. Youssef, Three-Dimensional Thermal Shock Problem of Generalized Thermoelastic Half-Space, J. Applied Mathematical Modelling, vol. 34, pp. 3608–3622, 2010.
- 39- H. M. Youssef and Khaled A. Elsibai, State-Space Approach to Vibration of Gold Nano-Beam Induced by Ramp Type Heating, Nano-Micro Letters, vol. 2(3), pp.139-148, 2010.
- 40-H. M. Youssef and Eman O. Al-Leheabi, Fractional Order Generalized Thermoelastic Half-Space Subjected to Ramp-Type Heating, J Mechanics Research Communications, vol. 37(6), pp. 448–452, 2010.
- 41-H. M. Youssef and Khaled A. Elsibai, Vibration of Gold Nano-Beam Induced by Different Types of Thermal Loading- A State-Space Approach, J. Nanoscale and Microscale Thermophysical Engineering, vol. 15(1), pp. 48- 69, 2011.
- 42-H. M. Youssef, Theory of Two-Temperature Thermoelasticity without Energy Dissipation, J. Thermal Stresses, vol. 34(2), pp. 138 146, 2011.
- 43- Khaled A. Elsibai and H. M. Youssef, State-Space Approach to Vibration of Gold Nano-Beam Induced by Ramp Type Heating without Energy Dissipation in Femtoseconds Scale, J. Thermal Stresses, 34 (3), pp. 244–263, 2011.
- 44- H. M. Youssef and Eman O. Al-Leheabi, Fractional Order Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected to Harmonically Varying Heat, J. Engineering, vol. 3, pp. 32-37, 2011.
- 45-H. M. Youssef and Khaled A. Elsibai, Vibration of Nano Beam Induced by Ramp Type Heating, World Journal of Nano Science and Engineering, WJNSE, vol.1, pp. 37-44, 2011.

- 46-H. M. Youssef and A. A. El-Bary, Generalized Magneto-Thermoelastic Medium with Variable Material Properties Subjected to Ramp-Type Heating, Journal of Applied Polymer Science, vol. 124, pp. 5209-5219, 2012.
- 47-H. M. Youssef and Talal. A. H. Maatouk, Statistical Approach to Studying the Generalized Magneto-Thermoelasticity, Computational Mathematics and Modeling, vol. 23, No. 3, July, 2012.
- 48-H. M. Youssef, Two-Dimensional Thermal Shock Problem of Fractional Order Generalized Thermoelasticity, Acta Mechanica, vol. 223(6), pp. 1219-1231, 2012.
- 49- H. M. Youssef and Ahmed S. Al-Felali, Generalized thermoelasticity problem of Material Subjected to Thermal Loading Due To Laser Pulse, Journal of Applied Mathematics, vol. 3, pp. 142-146, 2012.
- 50- Ibrahim A. Abbas and H. M. Youssef, A Nonlinear Generalized Thermoelasticity Model of Temperature-Dependent Materials Using Finite Element Method, Int. J. Thermophysics, International Journal of Thermophysics., vol.33, pp.1302–1313, 2012.
- 51-H. M. Youssef, Vibration of Gold Nano-Beam with Variable Thermal Conductivity State Space Approach, J. Applied Nanoscience, DOI: 10.1007/s13204-012-0158-9, 2013.
- 52- H. M. Youssef, State-Space Approach to Fractional Order Two-Temperature Generalized Thermoelastic Medium Subjected to Moving Heat Source, Mechanics of Advanced Materials and Structures, vol. 20, pp. 47–60, 2013.
- 53-E. Bassiouny and H. M. Youssef, Thermo-Elastic Properties of Thin Ceramic Layers Subjected to Thermal Loadings, Journal of Thermoelasticity, vol. 1(1), pp. 4-12, 2013.
- 54- Ibrahim A. Abbas and H. M. Youssef, Two-Temperature Generalized Thermoelasticity under Ramp-Type Heating by Finite Element Method, Meccanica, vol. 48, 2, pp.331-339, 2013.

- 55-M. A. Ezzat and H. M Youssef, A Thermal and Thermal Stress Analysis in Thermoelectric Solid under the Influence of Thomson Effect, Journal of Thermoelasticity, vol.1(2), pp. 4-12, 2013.
- 56-H. M. Youssef, State-Space Approach to Two-Temperature Generalized Thermoelasticity without Energy Dissipation of Medium Subjected to Moving Heat Source, Journal of Applied Mathematics and Mechanics, vol. 34(1), pp.1–10, 2013.
- 57-H. M. Youssef, Variational Principal of Two-Temperature Thermoelasticity without Energy Dissipation, Journal of Thermoelasticity, vol. 1(1), pp.42-44, 2013.
- 58-H. M. Youssef, Two-Temperature Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected to Non-Gaussian Laser Beam, Journal of Thermoelasticity, vol. 1(2), pp.19-23, 2013.
- 59-M. A. Ezzat and H. M. Youssef, Three-Dimensional Problem of Two-Temperature Generalized Thermoelastic Half-Space Subjected to Ramp-Type Heating, Mechanics of Advanced Materials and Structures, vol. 20, pp. 47-60, 2013.
- 60- H. M. Youssef, Wave Propagation in the Two-Temperature Theory of Thermoelasticity, Encyclopedia of Thermal Stresses, pp. 6492-6495, 2014.
- 61-M. A. Ezzat and H. M. Youssef, Generalized Magneto-Thermoelasticity for An Infinite Perfect Conducting Body With A Cylindrical Cavity, Materials Physics and Mechanics, vol. 18, pp.156-170, 2013.
- 62-M. A. Ezzat and H. M. Youssef, Thermoelectric Figure-of-Merit Effects on Fluid Flow, Materials Physics and Mechanics, vol. 19, pp. 39-50, 2014.
- 63-M. A. Ezzat and H. M. Youssef, Two-Temperature Theory in Three-Dimensional Problem for Thermoelastic Half Space Subjected to Ramp Type Heating, Mechanics of Advanced Materials and Structures, vol. 21, 293–304, 2014.

- 64-H. M. Youssef, K. A. Elsibai and A. A. El-Bary, Vibration of Cylindrical Gold Nano-Beam with Fractional Order Thermoelastic Waves, Jökull Journal, vol. 64(6), 416-427, 2014.
- 65- H. M. Youssef, E. A. N. Al-Lehaibi, Thermoelasticity of Cylindrical Nano-Beam Exited by Ramp-Type Heating, Jökull Journal, vol. 64(6), 74-85, 2014.
- 66-H. M. Youssef, K. A. Elsibai and A. A. El-Bary, Vibration of Gold Nano Beam in Context of Two-Temperature Generalized Thermoelasticity Subjected to Laser Pulse, Latin American Journal of Solids and Structures, vol. 11, 2460-2482, 2014.
- 67-H. M. Youssef and A. A. El-Bary, Thermoelastic Material Response Due to Laser Pulse Heating in Context of Four Theorems of Thermoelasticity, Journal of Thermal Stresses, 37: 1379–1389, 2014.
- 68- H. M. Youssef, K. A. Elsibai, On Theory of Two-Temperature Thermoelasticity without Energy Dissipation of Green-Naghdi Model, Applicable Analysis, http://dx.doi.org/10.1080/00036811.2014.961920, 2014.

Publications Accepted and Under Press

- 69-M. A. Ezzat and H. M. Youssef, Three-Dimensional Thermo-Viscoelastic Material, Mechanics of Advanced Materials and Structures, 2014.
- 70-H. M. Youssef, K. A. Elsibai and A. A. El-Bary, Vibration of Gold Nano-Beam with Variable Thermal Conductivity Subjected to Sinusoidal Heating, Journal of Engineering Thermophysics, will be published in 2016.
- 71-H. M. Youssef, Theory of Generalized Thermoelasticity with Fractional Order Strain, Journal of Vibration and Control, Accepted 2014.
- 72-H. M. Youssef and A. A. El-Bary, Two-Temperature Generalized Thermo-Elastic Medium Thermally Excited by Time Exponentially Decaying Laser Pulse, International Journal for Structural Stability and Dynamics, Accepted, 2014.

- 73- H. M. Youssef and I. A. Abbas Fractional order generalized thermoelasticity with variable thermal conductivity, Journal of Vibroengineering JVE, Accepted 2014.
- 74-H. M. Youssef, E. A. N. Al-Lehaibi, Two-Temperature Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected to Time Exponentially Decaying Laser Pulse, SYLWAN, 158(10), 64-88, 2014.
- 75-H. M. Youssef and N. A. Alghamdi, Thermoelastic Damping in Nanomechanical Resonators Based, on Two-Temperature Generalized Thermoelasticity Theory, Journal of Thermal Stresses, accepted.
- 76-H. M. Youssef and I. A. Abbas, Two-dimensional fractional order generalized thermoelastic porous material, Latin American Journal of Solids and Structures, accepted.

Papers Submitted

- 77-H. M. Youssef, Theory of Hyperbolic Two-Temperature Generalized Thermoelasticity, Mathematics and Mechanics of Solids.
- 78-H. M. Youssef and I. A. Abbas, Finite Element Method of One Dimensional Generalized Porothermoelasticity with One Relaxation Time, , Heat and mass transfer.
- 79- H. M. Youssef and I. A. Abbas, Two-Temperature Generalized Thermoelastic Interaction of Functional Graded Material, Mathematics and Computers in Simulation.
- 80-H. M. Youssef and I. A. Abbas, Non-Linear Coupled Thermoelasticity: Theory and Application, Communications in Nonlinear Science and Numerical Simulation.
- 81-H. M. Youssef, Y-Index, Scientometrics (SCIM).
- 82- H. M. Youssef, K. A. Elsibai and A. A. El-Bary, The Q-Factor of Gold Nano Beam with Variable Young's Modulus, Mechanics Research Communications.

Publications in Conferences

- 83-H. M. Youssef, Thermal Shock Problem of a Generalized Thermoelastic Layered Composite, (ICMNPA) Conference, Cairo 2003.
- 84-H. M. Youssef, An Infinite Thermoelastic Plate with a Curvilinear Hole in S-Plane, (ICMNPA) Conference, Cairo 2003.
- 85-H. M. Youssef, Generalized Thermoelasticity for an Infinite Material with a Spherical Cavity and Variable Thermal Conductivity, The 13th Conference for Computer and its Application, Arab Academy for Science and Technology, 2003.
- 86-H. M. Youssef, State-Space Approach in Generalized Thermoelasticity for an Infinite Layer Material with Variable Thermal Conductivity, Sixth AMU Pan-African Congress of Mathematicians (PACOM, Tunisia), 2004.
- 87-H. M. Youssef, Stat-Space Approach For Conducting Magneto-Thermoelastic Medium With Variable Electrical And Thermal Conductivity, TS2005-6th International Congress on Thermal Stresses, May 26-29, Vienna, Austria, 2005.
- 88-H. M. Youssef, Lecture "On Theories of Thermoelasticity," Second Annual Doha Conference on Applied Mathematics and Computational Science Jointly sponsored by Texas A&M, Carnegie Mellon in Qatar, March 30-April 1, 2008.
- 89- H. M. Youssef and Eman O. Al-Lehaibi, One-Dimensional Fractional Order Generalized Thermoelasticity Problem, the Fourth Saudi Science Conference- Almadinah Almunawwarah- March 12-24, 2010.
- 90-H. M. Youssef and Eman O. Al-Lehaibi, One-Dimensional Fractional Order Generalized Thermoelasticity Problem of an Infinite Medium with Cylindrical Cavity, The Fourth Saudi Science Conference- Almadinah Almunawwarah- March 12-24, 2010.
- 91-H. M. Youssef and Eman O. Al-Lehaibi, Variational Principle of Fractional Order Generalized Thermoelasticity with One Relaxation Time, Congrès Franco-Egyptien de Mathématiques Egypt-France Mathematical Conference, Cairo, May 3-5, 2010.

- 92- A. A. El-Bary, H. M. Youssef and N. M. El-Maghraby, generalized thermoelasticity for an infinite material with a spherical cavity and variable thermal conductivity, Congrès Franco-Egyptien de Mathématiques Egypt-France Mathematical Conference, Cairo, May 3-5, 2010.
- 93-H. M. Youssef, M. H. Alawi and E. Bassiouny, One Dimensional Problem of Generalized Porothermoelasticity of Asphaltic Material, 9th International Congress on Thermal Stresses, Budapest University of Technology and Economics and Hungarian Academy of Sciences, Budapest-Hungary, 2011.
- 94- H. M. Youssef, Fractional Order Generalized Thermoelasticity of Piezoelectric Materials,
 8th European Solid Mechanics Conference, Graz University of Technology, European Mechanics Society, Austria 2012.
- 95-H. M. Youssef, Khaled A. Elsibai, A. A. El-Bary, Vibration of Gold Nano-Beam with Variable Thermal Conductivity Subjected to Sinusoidal Heating, WSEAS / NAUN International Conferences Milan, Italy, January 9-11, 2013.
- 96- H. M. Youssef, K. A. Elsibai and A. A. El-Bary, Fractional Order Thermoelastic Waves of Cylindrical Nano-Beam, ASME 2013 International Mechanical Engineering Congress & Exposition, November 15-21, San Diego, CA, USA, 2013.
- 97-H. M. Youssef, K. A. Elsibai and A. A. El-Bary, Vibration of Gold Nano Beam Induced by Laser Pulse in Context of Two-Temperature Generalized Thermoelasticity, ASME 2013 International Mechanical Engineering Congress & Exposition, November 15-21, San Diego, CA, USA, 2013.

Citation Indices

Indices		Since 2010
Citations (This is the number of citations to all publications. The second column has the "recent" version of this metric which is the number of new citations in the last 5 years to all publications)	888	782
H-index (This is the largest number h such that h publications have at least h citations. The second column has the "recent" version of this metric which is the largest number h such that h publications have at least h new citations in the last 5 years)		15
i10-index (This is the number of publications with at least 10 citations. The second column has the "recent" version of this metric which is the number of publications that have received at least 10 new citations in the last 5 years)		28

http://scholar.google.com/citations?user=76jXAhYAAAAJ&hl=en