CURRICULUM VITAE

Professor: Ibrahim Atiatallah Abdel-rhman Abbas

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Personal information

Family name: Abbas

First name: Ibrahim Atiatallah Abdel-rhman

Date of birth: Nov.20, 1971

Nationality: Egyptian

Sex: Male.

Marital status: Married

Languages: English and little Dutch

E-mail: ibrabbas7@yahoo.com

Education

2000-2004: ***PhD*** **i**n biomathematics (Egyptian Mission Scholarship to Stuttgart University, Germany.2002-2004)

Title: A comparative study of finite element and finite difference schemes applied to multiphasic biomechanical materials

1996-2000: Studies of Mathematics at Faculty of Science (Sohag) South Valley University

Obtained degree (2000): **"*M.Sc*.".**

Title: Problems of magneto- and thermomagnetoelasticity for infinite, circular cylindrical bodies

1991-1995 ***B.Sc***. Degree obtained

Job experience

03/1996 to present: *Mathematics Department*, Faculty of science, Sohag University, Egypt.

2000 to present as lecturer, (in Mathematics) *Mathematics Department*, Faculty of Science, Sohag University., Egypt.

2004 to present as (Doctor), (in Mathematics) *Mathematics Department*, Faculty of Science, Sohag University., Egypt.

2011 to present as (Associate professor), (in Mathematics) Department of Mathematics Faculty of Science, Sohag University., Egypt.

2011 to present as (Associate professor), (in Mathematics) Department of Mathematics Faculty of Science and Arts-Khulais King AbdulAziz University, Saudi Arabia.
2017 to present as (Professor), (in Mathematics) Department of Mathematics Faculty of Science, Sohag University., Egypt.

Areas of Interests:

Finite element method; biological tissues; Biomaterial; Fluid mechanics; Magnetothermoelasticity; Thermoelastic diffusion; porothermoelastic; Fiber-reinforced; Porous media; Heat and mass transfer; Micropolar; Microstretch; Fractional derivative

Journals Refereeing

1. International Journal of Solids and Structures
2. Journal of Sound and Vibrations
3. Applied Mathematical Modelling
4. Applied Mathematics and Computation
5. Mathematical Modelling and Analysis
6. Applied Mathematics & Information Sciences.
7. Journal of Mechanics of Materials and Structures
8. Chemical Engineering Communications
9. Journal of Vibration and Control
10. Mathematical and Computer Modelling
11. Meccanica
12. Numerical Heat Transfer
13. Nonlinear Analysis: Modelling and Control
14. Natural Science(NS)
15. World Journal of Modelling and Simulation
16. Computers and Mathematics with Applications
17. International Journal of Biomathematics
18. FDMP: Fluid Dynamics & Materials Processing
19. Journal of porous media
20. Walailak Journal of Science and Technology (WJST)
21. International Journal of Numerical Methods for Heat & Fluid Flow
22. Journal of Mechanical Science and Technology
23. Journal of thermal stresses
24. Acta mechanica
25. The European Physical Journal – Plus

Editorial Board

- **International Journal of Applied Engineering and Technology (JET)**
- **Journal of Physics**
- **Journal of Thermoelasticity**

Publications

	Number of Published Papers	Citations	h-index
Thomson Reuters (ISI)	**143**	**1655**	**23**
Scopus	**150**	**1895**	**26**
Google Scholar	**186**	**2278**	**27**

Scopus

https://www.scopus.com/authid/detail.uri?authorId=56243736400

Google Scholar

http://scholar.google.co.uk/citations?hl=en&user=aRIISvIAAAAJ&view_op=list_works&sortby=pubdate

2018

1 Hobiny, Aatef D., and **Ibrahim A. Abbas.** "A DPL model of photo-thermal interaction in an infinite semiconductor material containing a spherical hole." *The European Physical Journal Plus* 133.1 (2018): 11. **(IF 1. 753)**

2 **Abbas, Ibrahim A.,** and Aatef Hobiny. "A Two-Temperature Photothermal Interaction in a Semiconductor Medium Containing a Cylindrical Hole." *International Journal of Thermophysics* 39.1 (2018): 17. **(IF 0.745)**

3 **Abbas, Ibrahim A.,** and Aatef Hobiny "Photo-thermal-elastic interaction in an unbounded semiconducting medium with spherical cavity due to pulse heat flux." *Waves in Random and Complex Media* (2018): 1-13. **(IF 1. 447)**

4 **Ibrahim Abbas** and Marin M. "Analytical solutions of a two-dimensional generalized thermoelastic diffusion problem due to laser pulse" Iranian Journal of Science and Technology, Transactions of Mechanical Engineering 42(1), 57-71, 2018. **(IF 0.595)**

5 **Abbas, Ibrahim A.,** Faris S. Alzahrani, and A. Elaiw. "A DPL model of photothermal interaction in a semiconductor material." Waves in Random and Complex Media (2018): 1-16. **(IF 1. 447)**

6 Faris Alzahrania and **Ibrahim A. Abbas** "Fractional order theory in a semiconductor medium photogenerated by a focused laser beam" Physical Mesomechanics 21(2), 2018 **(IF 2. 244)**

7 **Ibrahim A. Abbas** and Faris Alzahrania "A GN model in a 2-D problem of a mode-I crack in an isotropic thermoelastic plate" Physical Mesomechanics, 21(2), 2018 **(IF 2. 244)**

8 **Ibrahim A. Abbas** and Razavi "A mode I crack problem for a thermoelastic fiber-reinforced anisotropic material" Physical Mesomechanics, 21(2), 2018. **(IF 2. 244)**

9 **Ibrahim A. Abbas** "A study on fractional order theory in thermoelastic half-space due to thermal loading" Physical Mesomechanics, 21(2), 2018 **(IF 2. 244)**

10 **Ibrahim A. Abbas** and Faris S. Alzahrani "Eigenvalue approach on thermoelastic diffusion problem for an infinite elastic medium with a spherical cavity" Strength of Materials accepted 8-5-2015 **(IF 0. 443),**

11 **Ibrahim A. Abbas** "Free vibration in a nano-beam resonator based on dual-phase-lagging generalized thermoelasticity" Strength of Materials, accepted 8-5-2015 **(IF 0. 443),**

12 **Ibrahim A. Abbas** "Free vibrations of nanoscale beam based on Green and Naghdi model with two-temperature" International Journal of Acoustics and Vibration 9-3-2015 accepted 29-7-2015 **(IF 0. 34)**,

13 **Ibrahim A. Abbas** "Generalized thermoelastic diffusion in a half-space by Eigenvalue approach" Strength of Materials accepted 3-7-2014 **(IF 0. 443),**

14 **Ibrahim A. Abbas** and and Aatef Hobiny "Finite Element Analysis of Thermoelastic Fiber-reinforced Anisotropic Hollow Cylinder with Dual-Phase-Lag Model" Strength of Materials accepted 5-11-2014 **(IF 0. 443),**

15 **Ibrahim A. Abbas** "Two-temperature thermoelastic interactions thin slim strip due to moving heat source" Strength of Materials accepted 5-11-2014 **(IF 0. 443),**

16 **Ibrahim A. Abbas** & M.I. Othman "Analytical and numerical solution of 2D problem for transversely isotropic generalized thermoelastic medium with G-N II" International Journal of Acoustics and Vibration 9-3-2015 accepted 14-4-2016 **(IF 0. 34)**

17 **Ibrahim A. Abbas** and K. Aly "Analytical solutions of photo-thermoelastic waves photogenerated by a focused laser beam in a semiconductor material" SILICON accepted 28-2-2018 **(IF 0. 829)**

18 **Ibrahim A. Abbas** and Aatef Hobiny "The influence of thermal and conductive temperatures in a nanoscale resonator" Results in Physics 9 (June 2018), Pages 705-711 **(IF 0. 946)**

19 **Abbas, Ibrahim A.,** and Aatef Hobiny "**Theoretical analysis of thermal damages in skin tissue induced by intense moving heat source" International Journal of Heat and Mass Transfer 124 (2018): 1011-1014. (IF 3. 458)**

20 **Ibrahim A. Abbas** and Faris S. Alzahrani "Generalized photo-thermo-elastic interaction in a semiconductor plate with two relaxation times" Thin-Walled Structures 31-12-2017 accepted 17-4-2018 **(IF 2. 829)**

21 **Ibrahim A. Abbas** and Faris S. Alzahrani and F. Berto "The effect of fractional derivative on photo-thermoelastic interaction in an infinite semiconducting medium with a cylindrical hole" Engineering Solid Mechanics accepted 23-4-2018

22 H. Youssef and **Ibrahim Abbas** "Non-Linear Generalized Thermoelasticity of Temperature Dependent Materials Properties" Heat Transfer Research accepted 23-4-2018 **(IF 0.868)**

23 **Ibrahim A. Abbas** and and Aatef Hobiny "Fractional order photo-thermoelastic waves in a two-dimensional semiconductor plate using eigenvalue approach" The European Physical Journal Plus accepted 4-5-2018 **(IF 1.753)**

2017

24 **Ibrahim Abbas** and Y. Abd elmaboud 'Analytical solutions of thermoelastic interactions in a hollow cylinder with one relaxation time" Mathematics and Mechanics of Solids 22 (2), pp. 210–223, 2017 **(IF 2.953)**

25 **Ibrahim Abbas** and M. Marin "Analytical solution of thermoelastic interaction in a half-space by pulsed laser heating" Physica E: Low-dimensional Systems and Nanostructures 87, 254-260, 2017 **(IF 2. 221),**

26 **Ibrahim Abbas** "Analytical solutions of 2-D problem for cracked thermoelastic fiber-reinforced anisotropic material" Theoretical and Applied Fracture Mechanics 91(10), pp. 31-36, 2017 **(IF 2.659)**

27 Ibrahim A. Abbas "Free vibration of a thermoelastic hollow cylinder with two-temperature generalized thermoelastic theory" Mechanics Based Design of Structures and Machines 45.3 (2017): 395-405 **(IF 1.559)**

28 Aatef Hobiny and **Ibrahim A. Abbas** "A study on photothermal waves in an unbounded semiconductor material with cylindrical cavity due to pulse heat flux" Mechanics of Time-Dependent Materials (MTDM) 21(1), pp. 61-72, 2017 **(IF 1.014)**,

29 **Ibrahim A. Abbas** "Generalized thermoelastic interactions in a hollow cylinder with temperature-dependent material properties**"** Journal of Thermal Science and Technology 12 (1), JTST0005-JTST0005, 2017 **(IF 0.791)**

30 **Ibrahim A. Abbas** and K. Aly "A generalized model on plasma, thermal and elastic waves in a semiconductor medium" Journal of Advanced Physics 6.3 (2017): 317-325 **(ISI)**

31 Ibrahim Abbas, A.N. Abd-alla and Alshaikh, F "Analytical and Computational Solution of Three-Dimensional Thermoelastic Interactions in Porous Material with Temperature-Dependent Properties" Journal of Computational and Theoretical Nanoscience 14(8), pp. 4021-4033, 2017 **(IF 1.66)**

32 **Ibrahim A. Abbas** and Said Elbayen "Dual-Phase Lag Model on Generalized Magneto-Thermoelastic Interaction in a Functional Graded Material" The International Journal of Acoustics and Vibration (IJAV) 22(3), pp. 369-376, 2017. **(IF 0. 34)**,

33 Ibrahim Abbas, K.A. Aly, and F. Alzahrani. "A Two-Temperature Photothermal Interaction in a Semiconducting Material." *Journal of Advanced Physics* 6.3 (2017): 402-407. **(ISI)**

34 **Ibrahim A. Abbas** and Aatef Hobiny "Eigenvalue approach in a generalized thermal shock problem for a transversely isotropic half-space" Journal of Molecular and Engineering Materials 5(1), pp. 1750002, 2017 **(ISI)**

35 Faris Alzahrania and **Ibrahim A. Abbas** "Fractional order photo-thermoelastic interaction in a semiconducting media containing a spherical cavity subjected to pulse heat flux" Journal of Advanced Physics 6 (4), 470-476, 2017 **(ISI)**

2016

36 Faris Alzahrania and **Ibrahim Abbas** "Generalized thermoelastic diffusion in a nanoscale beam using eigenvalue approach" Acta Mechanica, **227**(4), pp 955-968, 2016 **(IF 1.851),**

37 Faris Alzahrania and **Ibrahim A. Abbas** "Eigenvalue approach on a two-dimensional thermal shock problem with weak, normal and strong conductivity" The European Physical Journal – Plus 131 pp. 289, 2016 **(IF 1. 753)**,

38 **Ibrahim A. Abbas** "Exact solution for a free vibration of thermoelastic hollow cylinder under GNIII model" International Journal of Acoustics and Vibration 21(3), pp. 266-270,2016, **(IF 0. 34)**,

39 Marin Marin and **Ibrahim Abbas** "Evolution of solutions for dipolar bodies in Thermoelasticity without energy dissipation" journal Annals of Ovidius Univ., Math Series. Vol. **24**(1), 57-82, 2016, **(IF 0. 422)**.

40 **Ibrahim A. Abbas** and Rajneesh Kumar "2D deformation in initially stressed thermoelastic half-space with voids" Steel and Composite Structures, An International Journal Paper **20**(5), pp. 1103-1117, 2016. **(IF 3.198)**,

41 **Ibrahim A. Abbas** "Fractional Order Generalized Thermoelasticity in an Infinite Medium with a Cylindrical Cavity" Journal of Engineering Mechanics 142(6), 04016033 (2016) **(IF 1. 764),**

42 Yurong Liu Weibo Liu, Mustafa Ali Obaid, **Ibrahim Abbas**" Exponential stability of Markovian jumping Cohen–Grossberg neural networks with mixed mode-dependent time-delays" Neurocomputing, **177**(12), 409–415, 2016. **(IF 3.317),**

43 Du, Bo, Yurong Liu, and **Ibrahim Abbas** "Existence and asymptotic behavior results of periodic solution for discrete-time neutral-type neural networks" Journal of the Franklin Institute **353** (2), 448–461, 2016 **(IF 3. 139),**

44 **Ibrahim A. Abbas** "Eigenvalue Approach to Fractional Order Thermoelasticity for an Infinite Body with a Spherical Cavity" Journal of the Association of Arab Universities for Basic and Applied Sciences Vol 20, June 2016, Pages 84–88

45 Rajneesh Kumar, **Ibrahim A. Abbas**, "Interaction due to various sources in saturated porous media with incompressible fluid" Journal of Central South University 23(5), pp 1232-1242, 2016 **(IF 0. 601)**,

46 Rajneesh Kumar, **Ibrahim A. Abbas**, "Disturbance due to thermomechanical sources in porothermoelastic medium" Strength of Materials, Vol. 48, No. 2, March, 2016 **(IF 0. 443),**

47 **Ibrahim A. Abbas**, Faris Alzahrania "Analytical solution of a two-dimensional thermoelastic problem subjected to laser pulse" Steel and Composite Structures, An International Journal 21(4), pages 791-803. 2016. **(IF 3.198)**,

48 **Ibrahim A. Abbas** and Said Elbayen "Wave propagation in a generalized thermoelastic transversely isotropic plate using eigenvalue approach" Journal of Computational and Theoretical Nanoscience 3-8-2015 accepted 12-8-2015 (IF 1.666),

49 **Ibrahim A. Abbas** and Aatef D. Hobiny "Analytical solution of thermoelastic damping in a nano-beam resonator under fractional order theory of thermoelasticity" International Journal of Structural Stability and Dynamics 16, no. 09 (2016): 1550064. **(IF 1.617),**

50 Abo-el-nour N. Abd-alla, Idir Mechai and **I.A. Abbas** "Influence of initial stresses and piezoelectric constants on the propagation bulk acoustic waves in an anisotropic smart material (Aluminum Nitrite), Journal of Computational and Theoretical Nanoscience 13.10 (2016): 6488-6494. **(IF 1.666),**

51 **Ibrahim A. Abbas** "Finite element analysis of internal penny-shaped crack problem in an unbounded thermoelastic medium" Journal of Thermal Stresses 39.10 (2016): 1171-1181. **(IF 1.493)**,

52 **Ibrahim A. Abbas** "A two-temperature model for evaluation of thermoelastic damping in the vibration of a nanoscale resonators" Mechanics of Time-Dependent Materials 20(4), 511-522, 2016 **(IF 1.014),**

53 **Ibrahim A. Abbas** "The effect of relaxation times on thermoelastic damping in a nano-beam resonator" J. of Molecular and Engineering Materials 4.02 (2016): 1650001. **(ISI)**

54 Ibrahim Abbas "A dual phase lag model on photothermal interaction in an unbounded semiconductor medium with cylindrical cavity" International Journal of Computational Materials Science and Engineering 5.03 (2016): 1650016. **(ISI)**

55 Ibrahim Abbas, Abo-el-nour Abd-alla, Faris Alzahrani & Mario Spagnuolo "Wave propagation in a generalized thermoelastic plate by using eigenvalue approach" Journal of Thermal Stresses 39.11 (2016): 1367-1377. **(IF 1.493)**,

56 Aatef and Ibrahim Abbas "Fractional order generalized thermoelastic interaction in an unbounded media by pulsed laser heating "Journal of Molecular and Engineering Materials 4.02 (2016): 1650002. **(ISI)**

57 Faris Alzahrania and Ibrahim A. Abbas "The effect of magnetic field on a thermoelastic fiber-reinforced material under GN-III theory" STEEL AND COMPOSITE STRUCTURES 22.2 (2016): 369-386. **(IF 3. 198),**

58 Ibrahim A. Abbas and K. Aly "A study on photothermal waves in a semiconductor material photogenerated by a focused laser beam" Journal of Molecular and Engineering Materials 4.02 (2016): 1650003. **(ISI),**

59 Aatef and Ibrahim A. Abbas "Analytical solution of magnetothermoelastic interaction in a fiber-reinforced anisotropic material" The European Physical Journal Plus 131 (12), 424, 2016 **(IF 1. 753).**

2015

60 Rajneesh Kumar, Marin Marin and **Ibrahim A. Abbas**, "Axisymmetric distributions of thick circular plate with heat sources in modified couple stress theory" Journal of Molecular and Engineering Materials 3 (03n04), 1550004 (2015) **(ISI),**

61 **Ibrahim A. Abbas** "Eigenvalue approach to fractional order generalized magneto-thermoelastic medium subjected to moving heat source" Journal of Magnetism and Magnetic Materials (2015), 377(), pp. 452-459, **(IF 2.63),**

62 **Ibrahim A. Abbas** "Analytical solution for a free vibration of a thermoelastic hollow sphere" Mechanics Based Design of Structures and Machines 43 (3), 265-276 **(IF 1.559)**

63 **Ibrahim A. Abbas** "The effects of relaxation times and moving heat source on two-temperature generalized thermoelastic thin slim strip" Canadian Journal of Physics 93 (5), 585-590, 2015, **(IF 0.877),**

64 **Ibrahim A. Abbas** "Generalized thermoelastic interaction in a functional graded material with fractional order three-phase lag heat transfer" Journal of Central South University (2015) 22: 1606−1613 **(IF. 0.601)**

65 **Ibrahim A. Abbas** "A dual phase lag model on thermoelastic interaction in an infinite fiber-reinforced anisotropic medium with a circular hole" Mechanics Based Design of Structures and Machines 43 (4), 501-513, (2015) **(IF 1.559)**,

66 **Ibrahim A. Abbas** "Exact solution of thermoelastic damping and frequency shifts in a nano-beam resonator" Int. Journal of Structural Stability and Dynamics 15(6), 1450082, 2015, **(IF 1.617),**.

67 **Ibrahim A. Abbas** "Thermoelastic interactions in an isotropic unbounded medium due to moving heat source using GNIII model" Latin American Journal of Solids and Structures 12(2), 1061-1073, 2015**, (IF 1.106).**

68 **Ibrahim A. Abbas** "A GN model for thermoelastic interaction in a micro-scale beam Subjected to a moving heat source" Acta mechanica 226 (8), 2527–2536, 2015 **(IF 1.851)**

69 **Ibrahim A. Abbas**, Marin Marin, Elbaz I. Abouelmagd and Rajneesh Kumar" A Green and Naghdi model in a two-dimensional thermoelastic diffusion problem for a half space" J. Comput. Theor. Nanosci. 12, 280-286 (2015) **(IF 1.666)**

70 **Ibrahim A. Abbas**, Marin Marin, and Rajneesh Kumar" Analytical-numerical solution of thermoelastic interactions in a semi-infinite medium with one relaxation time" J. Comput. Theor. Nanosci. 12, 287-291 (2015), **(IF 1.666),**

71 **Ibrahim A. Abbas** & Ashraf M. Zenkour "The effect of magnetic field on thermal shock problem for a fiber-reinforced anisotropic half-space using Green-Naghdi's theory" J. Comput. Theor. Nanosci. 12, 438-442 (2015) **(IF 1.666),**

72 **Ibrahim A. Abbas** , Rajneesh Kumar and Leena Rani "Thermoelastic Interaction in a Thermally Conducing Cubic Crystal Subjected to Ramp-type Heating" Applied Mathematics and Computation 254(1) pp. 360-369, (2015) **(IF. 1.738).**

73 T Hayat, T Muhammad, SA Shehzad, GQ Chen, **Ibrahim A. Abbas** "Interaction of magnetic field in flow of Maxwell nanofluid with convective effect" Journal of Magnetism and Magnetic Materials 389, 48-55 (2015) **(IF. 2.63).**

74 E. Carrera & Ahmed E Aboelregal & **Ibrahim A. Abbas** and Ashraf M. Zenkour"Vibrational analysis for an axially moving microbeam with two temperatures" Journal of thermal stresses 38: 569–590, 2015 **(IF 1.493)**

75 M. Marin , Mohamed I. A. Othman , **Ibrahim A. Abbas** "An extension of the domain of influence theorem for generalized thermoelasticity of anisotropic material with voids" Journal of Computational and Theoretical Nanoscience 12 (8), 1594-1598 , 2015, **(IF 1.666),**

76 **Ibrahim A. Abbas,** Rajneesh Kumar, K.D. Sharma, S.K. Garg "Deformation due to thermomechanical sources in a homogeneous isotropic micropolar thermoelastic medium with void" Journal of Computational and Theoretical Nanoscience 12 (8), 1698-1708, 2015, **(IF 1.666)**,

77 **Ibrahim A. Abbas &** Rajneesh Kumar **&** Sachin Kaushal " Interaction due to thermal source in micropolar thermoelastic diffusion medium" Journal of Computational and Theoretical Nanoscience 12 (8), 1780-1786, 2015, **(IF 1.666),**

78 M. Marin , Mohamed I. A. Othman **, Ibrahim A. Abbas** "Behavior of Cesaro means of energy components for non-simple thermoelastic bodies" Journal of Computational and Theoretical Nanoscience 12 (8), 1888-1897, 2015, **(IF 1.666),**

79 **Ibrahim A. Abbas** and H. Youssef 'Two-Dimensional Fractional Order Generalized Thermoelastic Porous Material" Latin American Journal of Solids and Structures 12(7), 1415-1431, (2015). **(IF 1.106).**

80 Ashraf M. Zenkour & **Ibrahim A. Abbas** "Electro-magneto-thermo-elastic response of infinite functionally graded cylinders without energy dissipation" Journal of Magnetism and Magnetic Materials 395, 123-129, 2015, **(IF 2.63),**

81 **Ibrahim A. Abbas** "Eigenvalue approach on fractional order theory of thermoelastic diffusion problem for an infinite elastic medium with a spherical cavity" Applied Mathematical Modelling 39 (20), 6196–6206, (2015). **(IF 2.35),**

82 M. Othman and **Ibrahim A. Abbas** "Effect of rotation on magneto-thermoelastic hollow cylinder with energy dissipation using finite element method" Journal of Computational and Theoretical Nanoscience 12 (9), 2399-2404, (2015). (IF 1.666),

83 **Ibrahim A. Abbas** and H. Youssef "Two-Temperature Generalized Thermoelastic Interaction of Functional Graded Material" Journal of Computational and Theoretical Nanoscience 12 (9), 2488-2494, (2015) (IF 1.666),

84 **Ibrahim A. Abbas** and Aatef D. Hobiny "Free vibration of a thermoelastic hollow cylinder with one relaxation time" Canadian Journal of Physics 93 (10), 1082-1087, (2015), **(IF 0.877),**

85 **Ibrahim A. Abbas**, Rajneesh Kumar "Deformation in three dimensions thermoelastic medium with one relaxation time" Journal of Computational and Theoretical Nanoscience 12, 3104-3109 (2015), **(IF 1.666),**

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87 **Ibrahim A. Abbas** "A Review on Generalized Thermoelastic Interaction in a Fiber-reinforced Anisotropic Medium" Reviews in Theoretical Science 3, 531-535 (2015) **(ISI)**

88 **Ibrahim A. Abbas** and Faris S. Alzahrani "Analytical solution of magneto-thermoelastic diffusion problem on a hollow cylinder" Journal of Computational and Theoretical Nanoscience (CTN) 12, 4747-4754 (2015) **(IF 1.666),**

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2014

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92 Ashraf M. Zenkour & **Ibrahim A. Abbas** **"**Magnetothermoelastic Response of an Infinite FG Cylinder Using Finite Element Method" Journal of Vibration and Control 20 (12), 1907–1919 **(IF 2.101).**

93 **Ibrahim A. Abbas** "Eigenvalue approach in a three-dimensional generalized thermoelastic interactions with temperature-dependent material properties" Computers and Mathematics with Applications 68 (2014), pp. 2036-2056, **(IF. 1.531).**

94 **Ibrahim A. Abbas** "Nonlinear transient thermal stress analysis of thick-walled FGM cylinder with temperature-dependent material properties" Meccanica 49(7), 1697-1708, (2014). **(IF. 2.196).**

95 Ashraf M. Zenkour and **Ibrahim A. Abbas** **"**A generalized thermoelasticity problem of an annular cylinder with temperature-dependent density and material properties" International Journal of Mechanical Sciences 84, July 2014, Pages 54-60 **(IF 2.884),**

96 **Ibrahim A. Abbas** "A GN model based upon two-temperature generalized thermoelastic theory in an unbounded medium with a spherical cavity" Applied Mathematics and Computation 245, 108-115, 2014 **(IF. 1.738).**

97 Ashraf M. Zenkour and **Ibrahim A. Abbas** "Nonlinear transient thermal stress analysis of temperature-dependent hollow cylinders using a finite element model" International Journal of Structural Stability and Dynamics 14(7), 1450025, (2014). **(IF 1.617),**

98 **Ibrahim A. Abbas** & Ashraf Zenkour " Two-Temperature Generalized Thermoelastic Interaction in an Infinite Fiber-reinforced Anisotropic Plate Containing a Circular Cavity with two relaxation times" Journal of Computational and Theoretical Nanoscience, 11(1), 1-7 (2014) . **(IF 1.666)**,

99 **Ibrahim A. Abbas** & Rajneesh Kumar "Deformation Due to thermal source in Micropolar Generalized Thermoelastic Half- Space by Finite element method" Journal of Computational and Theoretical Nanoscience 11(1), 185-190 (2014). **(IF 1.666)**

100 **Ibrahim A. Abbas** & Ashraf M. Zenkour **"**The effect of rotation and initial stress on thermal shock problem for a fiber-reinforced anisotropic half-space using Green–Naghdi theory " J. of Comput. Theor. Nanosci. 11(2), 331-338 (2014). **(IF 1.666)**

101 Marin Marin, **Ibrahim Abbas**, Rajneesh Kumar "Relaxed Saint-Venant principle for thermoelastic micropolar diffusion" Structural Engineering and Mechanics, An International Journal". 51(4), 651-662. (2014). **(IF 1.118),**

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103 **Ibrahim A. Abbas "**Fractional Order GN Model on Thermoelastic Interaction in an Infinite Fibre-reinforced Anisotropic Plate Containing a Circular Hole" Journal of Computational and Theoretical Nanoscience, 11(2), 380-384 (2014). **(IF 1.666)**

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105 **Ibrahim A. Abbas** & S. Dahab "On the numerical solution of thermal shock problem for generalized magneto-thermoelasticity for an infinitely long annular cylinder with variable thermal conductivity" Journal of Computational and Theoretical Nanoscience 11, 607-618 (2014) **(IF 1.666)**

106 **Ibrahim A. Abbas "**Three-phase lag model on thermoelastic interaction in an unbounded fiber-reinforced anisotropic medium with a cylindrical cavity" J. Comput. Theor. Nanosci. 11, 987-992 (2014) **(IF 1.666)**

107 **Ibrahim A. Abbas** , R. Kumar "Response of thermal source in initially stressed generalized thermoelastic half-space with voids" J. Comput. Theor. Nanosci. 11, 1472-1479 (2014) **(IF 1.666)**

108 **Ibrahim A. Abbas &** & Ashraf Zenkour "Semi-analytical and numerical solution of fractional order generalized thermoelastic in a semi-infinite medium" J. Comput. Theor. Nanosci. 11, 1592-1596 (2014) **(IF 1.666)**

109 Elbaz I. Abouelmagd, M.E. Awad, E. M. A. Elzayat, Ibrahim A. Abbas "Reduction the secular solution to periodic solution in the generalized restricted three-body problem" Astrophys Space. Sci. (2014) 350:495–505 **(IF 1.622),**

110 M. I. Marin, R. P. Agarwal and I. A. Abbas "Effect of intrinsic rotations, microstructural expansion and contractions in initial boundary value problem of thermoelastic bodies" Boundary Value Problems 129, (2014). **(IF 0.819),**

111 **Ibrahim A. Abbas** & Baljeet Singh "Finite element analysis in a rotating thermoelastic half-space with diffusion" J. Comput. Theor. Nanosci. 11(11), 2276-2282 (2014), **(IF 1.666).**

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113 **Ibrahim A. Abbas** "Eigenvalue approach for an unbounded medium with a spherical cavity based upon two-temperature generalized thermoelastic theory" Journal of Mechanical Science and Technology 28(10), pp 4193-4198, 2014, **(IF 1.128),**

114 **Ibrahim A. Abbas** and Y. Abd elmaboud 'Analytical solutions of generalized thermoelastic interactions in a semi-infinite medium" J. Comput. Theor. Nanosci. 11, 2462-2468 (2014), **(IF 1.666)**

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