

بسم الله الرحمن الرحيم



## السيرة الذاتية

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الحالة الإجتماعية : متزوج ويعول 5

## المؤهلات العلمية الحاصل عليها:

- بكالوريوس علوم – شعبة الرياضيات 1995م (الأول على جميع أقسام دفعة كلية العلوم 1995م بتقدير عام جيد جدا مع مرتبه الشرف بنسبة %83.7).
- ماجستير فى الرياضيات (مرونة حرارية ومغناطيسية) 2000 م .
- دكتوراه فى الرياضيات البيولوجية (مقارنة بين الطرق العددية لحل نماذج للمواد الحيوية) 2004 م (من خلال بعثة القناة العلمية فى جامعة شتوتجارت بمدينة شتوتجارت – المانيا فى الفترة من 2002 م - 2004 م).

## عنوان رسالة الماجستير :

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

مسائل فى نظرية المرونة المغناطيسية والمرونة الحرارية المغناطيسية للأجسام الاسطوانية الدائرية اللانهائية

## عنوان رسالة الدكتوراة :

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

دراسة مقارنة بين تطبيق طرق العناصر المحددة والفرق المحددة على الحالات المتعددة فى المواد البيوميكانيكية

## التدرج الوظيفي :

- 1996م-2000 م معيد بقسم الرياضيات بكلية العلوم بسوهاج ، جامعة جنوب الوادي
- 2000م-2004 م م. مساعد بقسم الرياضيات بكلية العلوم بسوهاج ، جامعة جنوب الوادي.
- 2002م-2004 م باحث لدرجة الدكتوراه فى معهد الهندسة – شتوتجارت – ألمانيا
- 2004م-2006 م مدرس بقسم الرياضيات بكلية العلوم بسوهاج ، جامعة جنوب الوادي.
- 2006م-2007م- مدرس بقسم الرياضيات بكلية العلوم بسوهاج ، جامعة سوهاج
- 2007م-2010 م – أستاذ مساعد بكلية العلوم والآداب بجامعة نجران -السعودية
- 2010م-2011م – أستاذ مساعد بكلية العلوم جامعة جازان-السعودية
- 2011 م – أستاذ مساعد بكلية العلوم والآداب بخليص جامعة الملك عبد العزيز-السعودية
- 2011 م – الحصول على درجة أستاذ مساعد بكلية العلوم بسوهاج – جامعة سوهاج
- 2012 م – رئيس قسم الرياضيات – كلية العلوم – والآداب بخليص – جامعة الملك عبدالعزيز
- 2017 م – الحصول على درجة أستاذ بكلية العلوم بسوهاج – جامعة سوهاج

## شهادات التقدير والجوائز العلمية

- الحصول علي اكثر من 200 شهادة تقدير من الجامعات (جامعة سوهاج - جامعة الملك عبد العزيز بالسعودية - جامعة جدة بالسعودية - جامعة جيزان بالسعودية - جامعة نجران بالسعودية)
- عام 2018 الحصول علي جائزة جامعة سوهاج للتميز العلمي
- عام 2017 الحصول علي العديد من جوائز النشر العلمي والاستشهاد بابحاثي من جامعة الملك عبد العزيز (14 بحث منشور + 446 استشهاد)
- عام 2016 الحصول علي جائزة الباحث المتميز من جامعة الملك عبد العزيز لنشر بحثين في أول خمسة مجلات في العالم في مجال التخصص
- عام 2016 الحصول علي العديد من جوائز النشر العلمي والاستشهاد بابحاثي من جامعة الملك عبد العزيز (24 بحث منشور + 473 استشهاد)
- عام 2015 الحصول علي العديد من جوائز النشر العلمي والاستشهاد بابحاثي من جامعة الملك عبد العزيز (32 بحث منشور + 520 استشهاد)
- عام 2014 الحصول علي العديد من جوائز النشر العلمي والاستشهاد بابحاثي من جامعة الملك عبد العزيز (32 بحث منشور + 233 استشهاد)
- عام 2013 الحصول علي العديد من جوائز النشر العلمي والاستشهاد بابحاثي من جامعة الملك عبد العزيز (12 بحث منشور + 66 استشهاد)
- عام 2012 الحصول علي العديد من جوائز النشر العلمي والاستشهاد بابحاثي من جامعة الملك عبد العزيز (11 بحث منشور + 77 استشهاد)

## المواد التي قمت بتدريسها

جميع مواد الرياضيات التطبيقية (استاتيكا – ديناميكا – ميكانيكا الموائع – مرونة – طرق رياضية – ديناميكا النقطة المادية – اليكتروديناميكا - اليكترواستاتيكا) أسس الرياضيات - تفاضل وتكامل – جبر المصفوفات – التحليل العددي – رياضيات متقطعة – هندسة تحليلية - هندسة مجسمة – معادلات تفاضلية- الجبر والهندسه التحليلية- مبادئ الجبر والمنطق الحديث - مقدمة فى الحاسب الالى – لغة البرمجة ماتلاب لطلاب الماجستير.

## المؤتمرات العلمية :

1. الحضور والمشاركة بإلقاء بحث فى ندوة الرياضيات فى 1999/4/22م بجامعة القاهرة
2. الحضور والمشاركة بإلقاء بحث فى المؤتمر الدولي للرياضيات والقرن الواحد والعشرين بالقاهرة ، 15-20 يناير 2001 م.
3. المشاركة فى بحث تم القائه فى المؤتمر الدولي للميكانيكا الحيوية **GAAM 2003** ايطاليا.
4. الحضور والمشاركة بإلقاء بحث فى ورشة العمل الدولية للمواد المسامية والميكانيكا الحيوية بالنمسا 1-4 ابريل 2003م.
5. المشاركة فى بحث تم القائه فى المؤتمر الدولي للميكانيكا الحيوية **GAAM 2004** المانيا.
6. الحضور والمشاركة بإلقاء بحث فى ندوة الرياضيات فى 2004/4/8م بكلية العلوم بسوهاج - جامعة جنوب الوادى.
7. المشاركة فى بحث تم القائه فى المؤتمر الدولي باليابان  
15th International Conference on Finite Elements in Flow Problems  
(FEF09) Chuo University April 1-3, 2009, Tokyo, Japan
8. المشاركة فى بحث تم القائه فى المؤتمر الدولي بجامعة سوهاج 2009/11/13
9. الحضور والمشاركة فى المؤتمر الدولي السعودي الخامس للعلوم بجامعة أم القرى مكة المكرمة  
The Fifth Saudi Science Conference held on April, 16-18, (2012)  
Umm Al Qura University

## الأهتمامات البحثية

Finite element method; Eigenvalue approach; Laplace transformation; biological tissues; Biomaterial; Fluid mechanics; Magnetothermoelasticity; Thermoelastic diffusion; porothermoelastic; Fiber-reinforced; Porous media; Heat and mass transfer; Fractional derivatives; Micropolar; Microstretch.

## الأهمية العلمية لهذه الأبحاث

يمكن الاستفادة منها في مجال الرياضيات البيولوجية كتطبيقات على الأنسجة وفي مجال صناعة السيارات ومجال حفظ وتعبئة المواد الغذائية ومجال البترول واستخراج المعادن من باطن الأرض ويمكن تطبيقها على أجزاء تدخل في تكوين المفاعلات الذرية والطائرات والسفن والغواصات وفي مجالات أخرى متعددة مثل الكمبيوترات المحمولة والأجهزة اللاسلكية وغيرها.

## محرر في المجالات العلمية المتخصصة:

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

## الأبحاث المنشورة

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 Alzahrani 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 Alzahrana "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 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),
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- 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 Alzahrana 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 Alzahrana 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 Alzahrana 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 Alzahrana “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 Alzahrana 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),
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- 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)
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- 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 Conducting 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),
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2. Journal of Sound and Vibrations
3. Applied Mathematical Modelling
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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
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15. World Journal of Modelling and Simulation
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17. International Journal of Biomathematics
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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

### أنشطة أخرى:

1. حاصل على شهادة ICDL ( الرخصة الدولية لقيادة الحاسب الآلى ).
2. حاصل على شهادة ICT فى نظم تكنولوجيا الاتصالات والمعلومات.
3. حاصل على شهادة Digital Literacy فى نظم تكنولوجيا الاتصالات والمعلومات.
4. حاصل على شهادة شركة ميكروسوفت فى نظم تكنولوجيا المعلومات.
5. محاضر فى دورات تدريب شباب الخريجين على الكمبيوتر والانترنت (المشروع القومي لتدريب شباب الخريجين).
6. محاضر فى مشروع تدريب أعضاء هيئة التدريس ومعاونيهم والعاملين بمؤسسات التعليم العالى على نظم تكنولوجيا الاتصالات والمعلومات.

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9. عضو فى (AIChE) The American Institute of Chemical Engineers
10. تم اختيارى من مشاهير البحث العلمى عن طريق المؤسسة الأمريكية Marquis Who's Who
11. حضور العديد من دورات تنمية قدرات أعضاء هيئة التدريس
  1. دورة اتجاهات حديثة فى التدريس فى الفترة من 8-11 مايو 2005م.
  2. دورة تقييم التدريس فى الفترة من 11-14 يونيو 2006م.
  3. دورة استخدام التكنولوجيا فى التدريس فى الفترة من 1-3 اكتوبر 2006م.
  4. دورة إعداد مشروع بحثى فى الفترة من 28-30 نوفمبر 2006م.
  5. دورة أخلاقيات وآداب المهنة فى الفترة من 9-11 ديسمبر 2006م.
  6. دورة كتابة البحوث ونشرها دوليا فى الفترة من 23-25 ديسمبر 2006م.
12. الاشتراك فى تدريس مقررات الدراسات العليا .
13. عضو فى جمعية الرياضيات المصرية
14. الأشراف على رسائل ماجستير ودكتوراه فى التخصص – كلية العلوم بسوهاج
15. الأشراف على المقال والبحث لطلاب الفرقة الرابعة –كلية العلوم بسوهاج .
16. الاشتراك فى تطوير وتحديث محتويات المقررات التي يقوم القسم بتدريسها لطلاب كليات الجامعة المختلفة بسوهاج .
17. محكم علمي للعديد من المشاريع البحثية المقدمة لجامعة أم القرى بمكة المكرمة
18. محكم علمي للعديد من المشاريع البحثية المقدمة لمدينة الملك عبد العزيز
19. الاشتراك فى العديد من المشاريع من جامعة الملك عبد العزيز ونشر العديد من الابحاث تحتوى على عنوان جامعة سوهاج
20. الاشتراك فى العديد من المشاريع من مدينة الملك عبد العزيز بالرياض ونشر العديد من الابحاث تحتوى على عنوان جامعة سوهاج
21. تحكيم العديد من رسائل الماجستير والدكتوراة
22. تحكيم العديد من المشاريع لجامعات ام القرى والخرج والحدود الشمالية وغيرها
23. حضور العديد من الدورات فى تنمية القدرات والحاسب الالى بعد ترقية استاذ مساعد