



ملخص السيرة العلمية والذاتية

المعلومات الشخصية :-

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التحصيل الاكاديمي:

بكالوريوس/هندسة ميكانيكية/ جامعة الموصل ١٩٧٦

جامعة استن، بيرمنكهام، المملكة المتحدة /ماجستير تصاميم هندسية ١٩٧٩

جامعة استن، بيرمنكهام، المملكة المتحدة/دكتوراه هندسة ميكانيكية / تحليل الاجهادات ١٩٨٣

الالقاب العلمية:

١. حصلت على درجة استاذ مساعد ١٩٨٨

٢. حصلت على مرتبة الاستاذية (برفيسور) ١٩٩٨

مجالات الابحاث:

١- ان ابحاثي تصب في مجال محاكاة ونمذجة الاستجابة الحركية وتحليل الاجهادات للمنظومات الميكانيكية خصوصاً في تلك التي تتعلق في الاطراف الصناعية (الاقدام وما تحت الركبة) والتطبيقات الميكانيكية للتروس، اجنحة الطائرات، التوربينات و الهياكل القشرية من خلال استخدام طريقة العناصر المحددة والتقنيات العملية (مقاييس الانفعال والاهتزازات).

٢- تأسيس مدرسة بحثية في مجال تصميم وتصنيع الاطراف والمساند الصناعية وقد تخرج على يدي مجموعة من طلبة الماجستير والدكتوراه في هذا الاختصاص تم استثمار هذه الجهود في تأسيس قسم هندسة الاطراف والمساند الصناعية وبالتعاون مع وزارة الصحة وقد حصلت موافقة معالي وزير لتعليم العالي والبحث العلمي المحترم على قبول الطلبة للعام الدراسي ٢٠١٣/٢٠١٤ . كما تم انشاء مختبرات تخصصية لأول مرة في العراق تحتوي على العديد من الاجهزة الخاصة بتصنيع وفحص الاطراف الصناعية والتي من المؤمل ان تكون نواة مختبرية متقدمة تخدم مراكز الاطراف الصناعية في العراق اضافة الى تأهيل طلبة القسم.

٣- انشاء مدرسة بحثية لاستخدام نظرية العناصر المحددة في موضوعي تحليل الاجهادات والاهتزازات وقد تخرج على يدي العديد

٤- من طلبة الماجستير والدكتوراه في مختلف جامعات العراق والذين اصبحوا رياديين في هذا التخصص في جامعاتهم

الترجمة والتأليف والاعداد

تأليف ٢ كتاب (Theory of Plates and Shells + مرونة هياكل الطائرات) واعداد كتاب باللغة العربية
الاهتزازات الميكانيكية،

الكتب المترجمة: نظرية الاستقرار المرن ستيفن باي و جير + اليات وديناميك المكائن هاملتون مبي و جالس
رينهولجس + مبادئ علم التزيب (جون هولنك)

كتب الشكر والتفدي

حصل على اكثر من ٥٠ كتاب شكر وتقدير من معالي وزير التعليم العالي والبحث العلمي ووزير الشباب والرياضة
ووزير التربية ووزير الدولة لشؤون الاھوار وھيئة النزاهة ورئيس جامعة

النتاج العلمي

حائز على تقدير افضل بحث في مجلة مؤسسة المهندسين في الهند ١٩٩٥

حائز على جائزة الاستاذ الاول في جامعة النهريين ٢٠٠٥

حاصل على جائزة الاساتذة المتميزين علميا والمعروفين عالميا وزارة التعليم العالي والبحث العلمي ٢٠١٢/٢٠١٣

حائز على جائزة دولة رئيس الوزراء في مهرجان السيادة السادس من خلال مشاريع متميزه .

حائز على العديد من الشهادات التقديرية من السيد وزير التعليم العالي والبحث العلمي لمناسبات يوم العلم

قيم اكثر من ٣٠٠ بحث علمي وبراءة اختراع

استاذ زائر في اكاڤيمية كرري للتقانة - السودان - ٢٠٠٠/٢٠٠١

جائزة التعليم العالي والبحث العلمي ٢٠١٠ - ٢٠١٢ - ٢٠١٣ العنوان (نشر البحوث العالمية اضافة الى الحصول على
براءة اختراع)

براءات الاختراع (المرفق ١):

حاصل على ٦ براءات اختراع مسجله في دائرة التقييس والسيطرة النوعية وحاصل على جوائز عديدة في مسابقات
معارض براءات الاختراع (٢ فضية و ٢ ذهبية) داخل وخارج العراق.

البحوث العلمية (المرفق ٢) :

تم نشر اكثر من ١٦٠ بحث علمي في المجلات العلمية الرصينة داخل وخارج العراق اضافة الى المساهمه في اكثر
من ٢٣ مؤتمر علمي داخل وخارج العراق منها ٢٤ بحثا منشور في مستوعبات سكوبس.

الدراسات العليا (المرفق ٣) :

١. الاشراف على اكثر من ٨٠ رسالة ماجستير و ٤٣ اطروحة دكتوراه .
٢. وضع خطة لفتح الدراسات العليا في مختلف اختصاصات كلية الهندسة- جامعة النهريين خلال مسؤوليتي كعميد
كلية الهندسة - جامعة النهريين .
٣. المساهمة في وضع المناهج الدراسية والتدريس لمرحلتي الماجستير والدكتوراه في مختلف الجامعات العراقية
في مواضيع الميكانيك التطبيقي .
٤. المساهمة في لجان مناقشة العديد من رسائل الماجستير واطاريح الدكتوراه اضافة الى المساهمه في الامتحان
الشامل لطلبة الكتوراه في مختلف الجامعات العراقية.

الدراسات الاولية:

١ المساهمة في وضع المناهج الدراسية لمرحلة البكالوريوس للمواد الدراسية التي يتطلب فيها الاختصاص الدقيق سواء للنظام الدراسي السابق لجامعة النهريين (نظام الارباع الدراسية) والنظام الدراسي الحالي (نظام الفصول الدراسية).

٢ تاسيس قسم هندسة الاطراف والمساند الصناعيه في كلية الهندسه – جامعة النهريين والذي يعتبر اول قسم في العراق لرعاية ذوي الاحتياجات الخاصه حيث تم افتتاحه في العام الدراسي ٢٠١٣-٢٠١٤ وتم استيراد اجهزة فحص وتصنيع لأول مره في العراق والمنطقه.

المساهمات المهنية :

المكتب الاستشاري الهندسي، كلية الهندسة، جامعة النهريين، بغداد، العراق ت ٢٠٠٧ ولغاية ١-٤-٢٠١٣

رئيس مجلس ادارة المكتب الاستشاري الهندسي ومشارك في المشاريع التالية: التصاميم الميكانيكية لمحطة وقود الطائرات لمجموعة شركات كوفان، بغداد، العراق وتقديم الخدمات الاستشارية لمشروع تاهيل وتوسيع ماء الرشيد وتقديم الخدمات الاستشارية لمشروع ماء شرق دجلة التوسيع الثاني وتقديم الخدمات الاستشارية لمشروع المدينة الرياضية في البصرة وتقديم الخدمات الاستشارية لمشروع

ديزلات حديثة للطاقة الكهربائية وتقديم الخدمات الاستشارية لمشروع انشاء ١٣٠ مدرسة في احوار محافظات الجنوب وتقديم الخدمات

الاستشارية لمشروع ديزلات هيونداي للطاقة الكهربائية واعداد التصاميم التفصيلية لبناية المخازن المركزية والشوارع المحيطة بها في الجامعة التكنولوجية , استشاري في الشركة العامة للصناعات الكهربائية، الوزيرية، بغداد، العراق ٢٠٠٤ - ٢٠٠٦

اللجان الرئيسية

عضو هيئة تحرير مجلة Energy and Environment/ Applied Mechanics Section

عضو هيئة تحرير جلة الهندسة والتكنولوجيا الجامعة التكنولوجية ٢٠١٥- مستمر

رئيس هيئة التحرير لمجلة الهندسة، جامعة النهريين ت ٢٠٠٦ - ٢٠١٢

رئيس لجنة الترقيات العلمية / كلية الهندسة / جامعة النهريين ١٠/١/٢٠١٣ - ٢٠١٥

عضوا ثم رئيس لجنة العلوم الهندسية / دائرة البعثات والعلاقات الثقافية ٢٠٠٦- ت ١٠/١/٢٠١٤

لجنة عمداء كليات الهندسة العراقية و لجنة عمداء كليات الهندسة ت ١٠/١/٢٠٠٦ – نيسان-٢٠١٣

عضو اللجنة العليا للاطراف والمساند الصناعية في العراق – وزارة الصحة ٢٠١٣ - ٢٠١٦

اللجنة العلمية لمجلة كلية المنصور الجامعة ايار ٢٠٠٩ ولحد الان

اللجنة العلمية الاستشارية لمجلة كلية الهندسة، جامعة الانبار، وجامعة بابل العراق نيسان ٢٠٠٩ ولحد الان التقييم

والتحكيم

رئيس لجنة او عضو لمناقشة اكثر من ١٠٠ اطروحة دكتوراة.

تقديم العديد من اطاريح الدكتوراة ورسائل الماجستير والبحوث العلمية لمجلات ومؤتمرات محلية وعالمية وبراءات الاختراع.

النشاطات الاخرى

تم تنفيذ العديد من النشاطات الادارية والعلمية المختلفة خلال حياتي الوظيفية ورئاسة اللجنة التحضيرية والعلمية الى المؤتمر الاقليمي الاول والمؤتمر الاقليمي الثاني للعلوم الهندسية عام ٢٠٠٨ و ٢٠١٠ والمؤتمر الوطني الاول للعلوم الهندسية في جامعة النهريين عام ٢٠١٢ عندما كنت عميدا لكلية الهندسة اضافة الى عضويتي للجنة العلمية للعديد من المؤتمرات المحلية والعالمية.

اسناد وزارة الشباب والرياضة بالاستشاريين من خلال المكتب الاستشاري الهندسي لجامعة النهريين عنما كنت رئيس مجلس الادارة للمكتب اضافة الى زج التدريسيين في مشاريع التصميم والاشراف الهندسي للعديد من مؤسسات الدولة المختلفة ومن خلال المكتب الاستشاري والية التعاون بين الجامعات ومؤسسات الدولة.

تاسيس ولاول مرة في الجامعات العراقية قسم هندسة الاطراف والمساند الصناعية في جامعة النهريين - كلية الهندسة واستحصال جميع الموافقات والتنسيق مع وزارة الصحة وتم قبول الوجبة الاولى في جامعة النهريين عام ٢٠١٣ وذلك بناء لحاجة ذوي الاحتياجات الخاصة لتصنيع الاطراف الصناعية ولافتقاد مراكز الاطراف الصناعية في وزارة الصحة للمهندسين بهذا الاختصاص.

حاليا رئيس اللجنة التحضيرية للمؤتمر الدولي الاول للهندسة والتكنولوجيا المستدامة لجامعة الفراهيدي بالاشتراك مع الجامعة التكنولوجية بالاتفاق مع دار النشر IOP ضمن مستوعات سكوبس.

خلال حياتي الوظيفية تم وضع العديد من الخطط الادارية والعلمية التي تخص استراتيجية الجامعة الادارية والاشراف على العديد من المشاريع الهندسية .

Publications:

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- 2- **Muhsin J. Jweeg** and Nabil M. Motosh "Determination of Optimum Rim Thickness in Toothed Gear Wheels" Scientific Journal of M.E.C., No. 4, pp. 131-144, 1989.
- 3- **Muhsin J. Jweeg**, B. H. Abdshebib and N. M. Motosh "Investigation of Involute Gear Tooth Critical Section" Scientific Journal of MEC, No. 5, pp. 64-85, 1989.
- 4- Najdat A. Mahmood, **Muhsin J. Jweeg** and Mumtaz Y. Rajab "An Investigation of Partially Pressurized Thick Cylindrical Shells" Modeling, Simulation and Control, B, ASME Press, Vol. 25, No. 3, PP. 47-64, 1989.
- 5- **Muhsin J. Jweeg** and Hussain J. Abbas "A Fast Technique for the Prediction of Quality Factor of a Vibrational System" International, ASME Conference Signals and Systems, Brighton, U.K, Vol. 6, pp. 129-140, July 12-14, 1989.
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- 7- **Muhsin J. Jweeg** "Application of Finite Element Method to Study the Stress Distribution in Shell of Revolution Subjected to Non-Axisymmetric Loading" Intern. ASMS Conference, Signals and Systems, Cetinje, Yougoslavia, Vol. 5, pp. 3-14, Sep. 3-5, 1990.
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- 11- Mumtaz Y. Rajab, Najdat A. Mahmood and **Muhsin J. Jweeg** "Study of Thermal Failure of Gun Barrels" Scientific Journal of M.E.C., No. 6, pp. 65-83, 1991.

- 12- Kasim A. Khalf and **Muhsin J. Jweeg** "Precision Cutting of Blanks by Axial Stress" Scientific Journal of M.E.C., No. 9, pp. 63-72, 1992.
- 13- Imad A. Hussain and **Muhsin J. Jweeg** "Optimum Thickness of Symmetric Angle-Ply Laminates to Eliminate Extensional and Bending Stiffnesses" Journal of the Institution of Engineering, India, Vol. 74, pp. 99-104, November, 1993.
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- 15- Najdat A. Mahmood, **Muhsin J. Jweeg** and Ahmed A. Hussain "A Study of Localized Buckling in Thin Tensioned Plates with Holes" Engineering and Technology, University of Technology, Baghdad, Iraq, Vol. 13, No. 13, pp. 133-153, 1994.
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- 18- **Muhsin J. Jweeg** "Static Bending Deflections and Flexural Frequencies of Prismatic Cantilever Tapered Beams by Galerkin's Method" A Scientific Journal, College of Engineering, University of Baghdad, Vol. 4, No. 3, pp. 13-24, December 1997.
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- 30- **Muhsin J. Jweeg** and Ismaeel K. AL-Jibury "*Numerical and Experimental Investigations of Stiffened Plates under Bending Loads*" MEC, NO. 19, Feb. 2000.
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- 37- **M. J. Jweeg**, A. N. Jamil, H. K. Kadhom "Study of Gear Tooth Stresses with the Presence of a Keyway" Scientific Journal of M.E.C., No. 18, pp. 65-91, Feb. 2000.
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