

CURRICULUM VITAE

PERSONAL DETAILS

NAME: Dr. Adnan Naji Jameel Al – Tamimi .

Home Address: Baghdad -Al – Jadriya – sector 911. St. 16 H. 15.
Tel : 07901498733 (mobile –Iraqna).

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Adnanaji51@uofarahidi.edu.iq

Date of Birth: 12th January 1951

Nationality : Iraqi. - Sex: male

Marital status: Married / three children.

Term Address: Mech. Eng. Dept -college of Engineering -Baghdad University
Al- jadriyah –Baghdad – Iraq , Tel .7788507.

EDUCATION

1957 - 1963 Waist primary school, Al –Hay.

1964 - 1971 Al –hay High school (Intermediate and secondary)

1971 -1976 Mousl university, college of Engineering.

1979 -1985 Aston university, Birmingham, U.K.

QUALIFICATIONS

July 1971: Baccalaureate Examination

July 1976: B.Sc (Mech .Eng), Mosul University.

Dec. 1980: M.Sc (Mech .Eng. Applied mechanics), Aston university.

May. 1985 Ph.D (Mech . Eng.) Aston University (Vibration &Control) U.K.

INTERESTS

During my period at University, I have enjoyed swimming, Basketball and joying along with driving and maintaining my own car and also computer work . Languages Arabic (mother tongue). And English (written and spoken) .Undertaken and successfully complete a first aid course. Also training course in counseling skills at the University of Aston in Birmingham have been a member of the post –graduate rota having responsibility for the welfare and security of 1500 students living on campus .This often involves the application of first aid and giving advice for personal or work problems, U .K.

PROFESSIONAL

Member of the mechanical Engineering society and the Iraqi Engineers Union No. 12890 since 4/7/1976. Attended courses on:

- 1- The application of micro – processors for the Mechanical Engineer, U.k.
- 2- Applied digital signal processing, U.K.
- 3- Use of the Vax -11/750 computer, U.K.

Demonstrated and supervised laboratory classes for degree students. Assisted final year students in instrumentation problems. Lectured and provided tutorials for computing course for industry, U.K.

I was appointed in the Mech .Eng .Dept. of the college of Engineering, Baghdad University as lecturer since 1986.

TEACHING INTERSET

I taught the following subjects:

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| 1- Control & measurement | 4th year (final), Mech .Eng. Dept. |
| 2- Vibration | 3rd year Mech. Eng. Dept. |
| 3- Control & Measurement Lab. | 4th .year Mech. Eng. Dept. |
| 4- Advance Vibration 1 | M.Sc .Course. |
| 5- Advance control | M.Sc .Course. |
| 6- Structural dynamics | Ph.D .Course. |
| 7- Analysis and Design of real Time computer control system. | Ph.D .Course. |
| 8 –Static and Dynamic | 1 st . Year Electrical Eng.
& 3 rd .year Bio .Medical Eng. |
| 9- Strength of materials | 3 rd year Bio medical Eng. |
| 10-Theory of machines | 3 rd year Bio medical Eng. |

Also I lectured at the University of Technology, AL- Mustansyria University, Al – Ambar University, Al – Nahrin University and Al –Khwarizmi college of Eng.

COMPUTER SKILLS:

- 1- Language: Basic, FORTRAN, HPL.
- 2- Operating systems - VAX.
- 3- Desk Top – HP9845B, BBC..., IBM (Pentium 4, 2.66 GHZ).

TRANSLATION OF TEXT BOOKS:

- 1- " Static and strength of materials" BY FA-Hwa Chennng.

PARTICIPATION IN CONTINUING EDUCATION :

- 1- Basic theory of vibration with application and measurement and techniques for dynamic testing .

- 2-Defects predication and location in structure by vibration monitoring.
- 3- Structural testing - modeling analysis and simulation.

INDUSTRIAL CONSULTANCY

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| 1- BOXMAG RAPID | Determined and identified cause of failure
Of Vertical vibration conveyors, Birmingham. |
| 2- SERCK RADIATORS | Determined vibration modes of North
Sea heat Exchangers, Birmingham. |
| 3- FORUDE CONSINE Ltd.
Worcester. | Vibration measurement of submarine .motors, U.K. |
| 4- Steam power plants | Measurement of vibration response
For Turbine bearings. |
| 5- Consultant Engineering
Bureau Francis turbine project | Design of the electronic –hydraulic
Governor for the water turbine. |
| 6- Consultant Engineering Bureau
High-pressure fans project | Design of the Shaft, bearing and
coupling for multi –stage centrifugal
Fans. |
| 7- Consultant Eng. Bureau for the
Piping ministry of irrigation
Butterfly value project. | Design of a by – pass valve and piping coupling
for a butterfly valve. |
| 8- AL –Qadesia dam project | Assessing and identifying causes of vibration for
The water turbine installation by measuring the
Frequency response, displacement, velocity and
Acceleration. |
| 9- Irrigation channel gate for the
Al –Adim dam | Building a model design for the irrigation gate in
order to establish a hydrulic dynamic similarity in
Assessing overall vibration and frequency analysis
Including strain. |
| 10-An expansion for basrah
Fertilizer Industry project for
The expenses of ministry of
Industry and minerals . | Determination and identifying the the causes of
vibration in piping system connected to CO2 gas
compressor |

- 11- The ministry of electric generation Assessing and identifying causes of vibration
 South Baghdad power generating for the steam turbine installation.
 Station.

WORK / INDUSTRIAL EXPERIENCE

- 1976 - 1977 Worked along with consultant Engineer in Textile factory.
 1977 – 1979 Maintenance Engineer in vehicle Dept .in Dejala project.
 1979 -1980 study M.Sc .course in design at Aston University, U.K.
 1980 -1985 works in the research program for Ph.D .thesis in Aston
 University, U.K.
 1986 -2006 Assistance professor (since 30/4/1994) in Mech.Eng.Baghdad University

RESEARCH EXPERIENCE

"Modeling of Deformation in Tennis Racket Net" M.Sc .thesis, submitted and accepted December 1980. Work involved the design and investigation of the mechanical properties of the tennis racket for Dunlop in Birmingham U.K

"Damage Location in structures by Monitoring Vibration Characteristics"Ph.D thesis submitted and accepted May 1985. Work in the research program Concentrated mainly on the oil -rig structure but also could be used on aircraft, bridges and tall building etc.

The research investigated the feasibility of detecting and location damage in large structure where visual inspection would be difficult or impossible.

Method was based on vibration technique for non -destructively assessing the integrity of structure by using measurement of change in the natural frequencies.

Theoretical analysis was based on the finite element method and the use of computers.

Experimental investigations were carried out on model structure.

THE M.Sc AND PH.D THESIS SUPERVISION

M.Sc thesis supervision 38 (thirty eight) and Ph.D .thesis supervision 20 (twenty) in the college of Engineering – Baghdad University in the following topics / static and dynamic analysis by using the finite element method to Problems in fracture mechanics of thick walled .stability of shells, dynamic Stress , Intersected plates , Elasto – plastic of gun barrel isotropic plates , Honeycomb sandwich plates, Gears, Turbine blades, solar array deployment and three axis of stabilize satellite. Dynamic analysis of composite laminated Plates. Static and dynamic for aerodynamic characteristics.

M.Sc THESIS

1. "Static and dynamic analysis of thick cylinder subjected to internal pressure"
Aug 1998 by Abdul Wahab Nima, for Al – Qadesia Comp.
2. "Elastic and elasto –plastic analysis of stepped thick cylindrical shell "
Aug .1998 by Ebtihal Abbas Saadiq, for Al – meelad Comp.
3. "Static and Dynamic behavior of orthotropic laminated plates subjected to general loading Condition "
by Wisam Saadon. July. 1998.
4. " Multi –supported beam-vibration, balancing and misalignment"
Dec. 1997 by Tariq Qusay Al- Rahim, for Al-Naser Al- Adheem Comp.
5. " Finite element modeling of intersected plate found in CNC milling machine"
Aug .1997 by Wedad Ibraheem, for Iraqi factory.
6. " Deformations and stresses of partially pressurized thick cylindrical shell"
Sep .1996 by Mohammed Sellab Hamza, for Al –Qadesia Comp.
7. "The mechanical behavior of honey comb sandwich plates."
March 1996 by Mustafa Hammeed.
8. " Application of finite element method to stability of shells of revolution "
March 1996 by Thair Razzaq Hussein .
9. "Defect detection and location in plate structures by a vibration technique .
Dec 1995 by Bahaa Ibraheem kazem .
10. " Mathematical analysis of long – short addendum spur gears "
April 1996. by Majeed Habeeb Faidh –allah .
11. "Finite element study of gear tooth stresses with the presence of a keyway.
March 1995 by Hatam Kareem kadhom.
- 12 " Computer simulation of damage predication in structure"
Oct .1990. by Talib Ehraize Al –AIKH .
13. "Stresses and deformations of rotating hollow turbine blades"
Dec.1994 by Rgheed Jana Yousif.
- 14 " Vibration analysis and the allowable limits in rotating machinery.
Dec 1993 by Abdul Hameed Al –Musawi.
15. "Application of finite element technique to problems in fracture mechanics
Of thick –walled gun barrels" Oct.1989 by Abbas Lafta Kadhim.
16. " Analysis of stiffened and unstiffened shell of revolution Subjected to air –blast loading" .
Sept .1999 by Salwan Abdul Kareem.
- 17." Investigation of the transient response of composite laminated plates including the effect
Of cutout" Oct.2000 by Maeid Rajab , for Al –Karama Comp.
- 18 Thermal and rotating effect on dynamic stresses, deformation and vibration of rotating
Gas turbine blades "may 2000 by kasim Abbas Attya, for Al –Battani Comp. .
19. " Static and dynamic behavior of aircraft fuselage subjected to aerodynamic loading"
Nov .2000 by Nazar Abdul Kareem, for Al –meelad Comp.
20. " stress analysis of rubber base components using finite element method"
Jan . 2000 By Mohamed Natik. For Petroleum Comp.
21. "The Dynamic mathematical models for dual spin spacecraft".
April 2000 .by Waleed Hisham. For Al – Battani Comp.

22. " steady – state characteristics of floating bush journal bearing in super – laminar flow Regime " Oct. 2000 by Nazar Kais Mohamed , for Electrical for power generation comp.
23. " Stress analysis by finite element method for turbine nozzle" .
1995 by Hassem Ismail.
24. " An experimental and theoretical investigation of a torsional bar heavy vehicles" July 2002 By Jasem Farage .for Ebn al –Waleed comp.
- 25." Evaluation of elastop -lastic stress intensity factor using finite element method "
Dec. 2002 By Akeel Abdul al –Kareem. For Al –Karama Comp.
26. " Static and dynamic investigation of the race ring of heavy vehicles".
By haval kamal for Ebn Al – Walled comp. May 2002.
27. " Application of vibration measurement to detect damage in casting " .
Aug 2004 Ehab Naji Abbas.
28. " Dynamic balancing of rotating shaft by vibration measurement "
Nov. 2004 by Mohammed Tariq Al –Tae .
29. " Static and dynamic characteristics of unmanned aircraft wing "
Sept. 2006 by Asaad kasim.
- 30." Dynamic analysis of laminated composite plates " .
By Salam Ahmmad abid .
- 31." Dynamic analysis of functionally graded material plates".
By Husam Saad Hasan.
32. " Buckling Analysis of composite plates under mechanical and thermal loading".
By Hasanain Ibraheem 2011.
33. "Fatigue Analysis of hip prothesis".
By Alaa Mohammed 2010
34. " The Buckling behavior of a damage composite plates " .
By Kawther Khalid Younus 2012.
35. "Generation and simulation of the meshing with numerical and experimental stress analysis for straight bevel gear drives"
By Mazin Jassim 2011.
36. "Vibration of composite plate under thermo-mechanical loading"
By Rash Mohamed , May 2013
37. "Analysis of stiffened and unstiffened laminated composite plate under combined loading"
By Ahmed Mahdy Salah , Sept. 2013
38. "Experimental and numerical analysis of racked plate under different loading "
By Aziz Darwish Majed.

Ph.D THESIS

- 1." A new approach for solar array deployment" 1998 .by Manhel M.Awda. for Al- Battani Comp.
2. "Development of the dynamic mathematical model of three axis satellite".
1997 .by Mahmood Fathil. For Al –Battani Comp.
- 3." Elasto – static and dynamic investigation into composite plates and shell with new Approaches for estimation of the elastic moduli"
Nov.2000 by Kamal Mustafa Saify. For State Comp. for cars production

4. "A new approach for defect detection and location of defect in plate structure " Sept .1999 by Bahaa Ibraheem Kazem. for Al –Meelad Comp .
5. " Simulation of satellite structure under space environment" July 2001 by Saffen Yaseen . for Al – Battani Comp.
- 6." Evaluation of evolutionary optimization technique of multi – layered thin shell structure" Jan .2003 By Kasim Hassen Bader .for Al –KaramaComp.
- 7." Static and dynamic analysis of composite thin cylindrical shell " . April 2004 by Ghanim Shaker, for al – Meelad comp. .
8. " Analysis and design of passive and active nutation damping for dual-spin Spacecraft "July 2003 by Hamed Dowag Lafta . for Al –Battani comp.
9. " Determination of dynamic characteristics and interlaminar stresses in Laminated composite plates under various loading "June 2004 By Hussin Ali Dawood.
10. " An investigation into the vibration characteristics of a welded pipe Conveying fluid " June 2006 by Ausama .F. Abdul -lateef.
- 11." Linear dynamic thermoelasticity of rectangular plates" By Wael Rashid al-naimi .
- 12." Nonlinear analysis of laminated composite plate based upon elastic – Plastic behavior " by Bashar Aweid .Sept 2006 .
13. " Theoretical and experimental analysis of non – linear viscoelastic Rubber plates" . By Laith Abid Sabri.
14. "Experimental and theoretical analysis of rotational effect and thermal Gradient on Vibration characteristics of rotating turbo machinery Blades " by Kasim Abbas Atea
- 15 ." A real time artificial intelligent controller for a pressurizer of nuclear Reactor" By Nebal Fathel Farhan .
16. " The effect of vibration on solidification of the aluminum alloys". By Nathem Muhammad
17. " Thermal fatigue of laminate composite plate under combined loading " . By Louay Sabah Yousuf, Aug 2008 .
18. " Effect of design parameters and support conditions on vibration in a pipe conveying fluid". By wijdan Kadhim ,Jan 2013
19. "Stability and defect detection of dynamic rotor system by vibration measurement " . By Tariq Mohammad
20. "Investigation of the cracks effect on static and dynamic behavior of rotor dynamics system" By Jassim Farij thijeel.

PUBLICATIONS

1. "Damage effect on the transient response of a plate structure subjected to suddenly applied load" 9 -12 May 1999. Third Jordanian Mech. And Industrial Eng. Conf.
2. "Analysis of symmetric and anti-symmetric laminated plates by introducing shear Deformation and rotary inertia effect using a refined higher order shear theory " Eng. J, college of Eng. Baghdad University, No .2 Vol .5 1999
3. "Elasto –plastic analysis of stepped thick cylindrical shell" Eng. J , college of Engineering Baghdad university, No .3, Vol . 5, 1999.

4. " Roll / Yaw control of a flexible communication satellite using bias momentum wheel Engineering " Eng .J , college of Eng. Baghdad University , No 2 .Vol .6 .June 2000.
5. " A new proposal to compute the dynamic elastic moduli and Timoshenkos coefficient of isotropic prismatic bars. "Eng .J, college of Eng. Baghdad University No 3 , Vol .5 , Sept. 1999
6. " Effectiveness of the degenerated shell element with an assumed shear strain field in free vibration analysis of plate structure" Eng. J of Baghdad University, Vol 6 .No .3 Step. 2000 .
- 7." To detect any incipient fault in a machine by vibration signal analysis" . 1st. National conf. of Mech. and material Eng . Al –Kufa University From 17 -19 Nov. 2000.
8. " Solar array deployment" Engineering J, college of eng . Baghdad University No .1. Vol 4, 1998, p. (81 -85).
9. " Detection and location of defects in plates structure by a vibration technique" Eng. J , college of Eng . Baghdad University No, 3, Vol 4 1998.
10. " Finite element modeling of column of CNC milling machine for static Rigidity and natural frequencies " Eng. J .college of Eng. Baghdad University No. 2, Vol 5 1998.
11. " Vibration of generally supported multi –span rotating shafts with end Concentrated "Eng. J, collage of Eng .Baghdad University No. 3, Vol 4, 1998.
- 12."Determination of stresses and deformations of hollow turbines blades" 1st national Conf. of Mech and material Eng Al-Kufa University. 17-19 Nov .2000
- 13." Kinematics of deployment satellite solar array "Journal of the military College of Eng. No .18 Feb .2000.
- 14." Study the effect of damage on the vibrational characteristics of a structure" . J of the military college of Eng. (MEE) No .19 Feb .2000.
15. " Free Vibration of elastically supported beam at one end with a mass and spring at the Other " 2nd M.C.E .Eng conf. March. 22-24 . 1994.
- 16." Mathematical model of cracks in a complex structure member "2nd Basra conf. of Mech. Eng. Research p (19 -21), 21 April 1993.
17. " Application of the F.E.M to elastic stress analysis of cracked thick-walled pressure Vessels "J .of Eng. And Technology, University. of Technology 1990 .
18. " Study of gear tooth stresses with presence of a keyway" J. of the Military college of Eng No 18 Feb. 2000.
19. " A new damage detecting and locating method by monitoring vibration Characteristics " 2nd Iraqi Conf. of Eng. ICE, 1988 .
20. " A new approach for the evaluation of defect location in structure using The dynamic response analysis " J . of institution of Eng. India .
- 21." Two numerical techniques to estimate the dynamic elastic moduli of Isotropic material Utilizing the exact 3-dimensional simply supported Plates theory by Levinson" 1st national Conf. of Mech Eng. 17-19 Nov , Al –Kufa University.
- 22."An exact 3- dimensional linear elasticity solution for free vibration of Simply supported rectangular plates of homogenous orthotropic material" . 3rd Eng. Sci Conf. MCE April 23-25 2000.

- 23." The extended least square technique , to estimate the dynamic elastic moduli of homogeneous orthotropic material , based on relevant theories in free bending vibration " 1st National Conf. of Mech. and material Eng. 17 -19 Nov .2000 Al – Kufa University .
24. " Bifurcation buckling of shells of revolution " J of the military college Of Eng . No. 20 March 2000 .
25. " Thermal gradient effect on the dynamic stresses , deformations and vibration of rotating gas turbine blades " J .of Eng. NO 4 Vol .8 , Dec 2002 university of Baghdad.
26. " Investigation the dynamic stability of a dual-spin spacecraft " 1st national conf. for Mech .and material Eng. Al –Kufa University. Nov. 2000
27. "Vibration technique for identical failure position in asymmetrical plate Structure " 1st national Conf. for Mech. And material Eng. Al -kufa University . Nov . 2000
- 28." Anew approach for identical failure position in plate structury" 3rd Iraqi Conf. of Eng. MCE, April 23 -26 , 2000 .
29. " Effects of air blast loading on the analysis of stiffened and unstiffened shell of revolution " 3rd Iraqi Conf. of Eng . MCE, April 23 -26, 2000
- 30." An optimum parameters for the damping system of dual spin spacecraft" International Conf on advanced remote sensing for earth observation sys.Tech. and appl. May 2005 in Riyad.
31. "Stress analysis of rubber using FEM." The 4th Jordanian International Of Mech. Eng. Conf. 2001.
32. "Investigation of the transient response of composite laminated plates including the effect Of cutout "Engineering Journal –college of Eng.University of Baghdad – Vol 7 No .1 March 2001.
33. " Simulation of Iraqi satellite under space environment " 1st National Conf. of Mech. And Material Eng. 17 -19, Nov 2000, Al –Kufa University.
34. "Bending and vibration analysis of symmetric – antisymmetric multiLayered circular cylindrical shell with allowance of shear effect " 1st. National Conf. of Mech .and materials Eng. 17 -19 Nov. 2000 Al –Kufa University .
35. "Finite element modeling of transient response of CNC . Milling machine Column" J of the Iraqi society of Eng. 151 No .3 Sept .2002.
- 36." The Timoshenko three –beams technique to estimate the main elastic Moduli of Orthotropic homogenous materials " Al – Khwarizmi Eng. Journal .Vol . 1, No .2, Feb .2005.
- 37."Dynamic stiffness degradation of composite laminated plates" Accepted at Al -Azhar Engineering eight international Conf. 2004
38. " Optimum Design of shell structure using a new method called evolutionary structural Optimization " 5th Jordanian International. Mech. Conf. 2004
39. " Numerical and analytical solution for the vibration characteristics of Rotating gas turbine blades with thermal gradient effect " Basrah J Of Eng. . Sciences, Vol .3 , No .1 2002.
40. " A new approach for identification failure position in plate structure. Proc. of the MCE" 3rd Eng. SCI. Conf. 2000.
- 41." Stiffened and unstiffened laminated, orthotropic cylindrical shell under Line load" Al – Rafidain Eng. J. Vol. 10, NO .1, 2002. Mousl Univ.
42. " The effect of space environment factors on spacecraft structure" J. of Eng. Vol 9 . No 1, March 2003, Baghdad University.

43. " A new development of interplay delamination criterion for composite laminates" International Mech Eng . Conf, Dec 2004, Kuwait.
44. " An elasticity solution for calculating interlaminar stresses in laminated composite plates under various loading ". Part A stress – function based variational approach" 5th Sc. Conf of the college of Eng. University. Of Baghdad 2003.
- 45." Estimation of the life of thick cylinder subjected to internal pressure with Manufacturing cracks using J –integral method " . J . of Eng. No. 1 Vol .11 , March 2005 .
46. " Dynamic of dual –spin satellite containing a ball –ring nutation damper Filled with Viscous gas " 1st Eng .combined Conf . Al – Nahrin University .College of Eng. 10-12 March 2002.
47. " A steady – state characteristics of floating bush journal bearing in Super –laminar flow regime " 1st Eng .combined Conf . Al – Nahrin Univ .College of Eng. 10-12 March 2002.
- 48." Arbitrarily laminated anisotropic stiffened and unstiffened cylindrical Shell under internal Pressure" . Al –Rafidian Eng. J. Vol 11, NO.2 , 2003 Mousl University.
- 49." Passive nutation damping for single – spin satellite "5th sc. Conf. of the college of Eng .University of Baghdad 2003.
- 50." Analytical approach for dynamic stiffness degradation of delamination composite structure". 4th Conf. about scientific research skylines and the technology development in Arab Homeland.
51. "Geometrical nonlinearity analysis using modified higher order accurate Shear deformation theory of laminated composite plates " 4th Conf. about scientific research skylines and the Technology development in Arab Homeland .
52. " Nonlinear material analysis of metal matrix composite. Laminated plates using finite element technique " . 4th Conf. about scientific research skylines and the Technology development in Arab Homeland.
53. " Optimum design of composite shell structure (laminated fiber-reinforced) using a new method called evolutionary structural optimization ". 5th sc. Conf. Of the college of Eng. Baghdad university 2003.
54. "Thermal and external load effects on static bending simply supported circular cylindrical composite shell " 5th sc. Conf. of the college of Eng. Baghdad university 2003.
55. " Elastic- Plastic analysis of thermos plastic matrix reinforced steel fibers with the aid of finite element method . " International scientific conf. foundation of technical education. Najaf Technical college . 12-14 April 2010 .
56. " Analytical and numerical stress analysis of thick cylinder subjected to internal pressure". Journal of engineering No.2 Vol. 13 , Jun 2007
57. " Experimental evaluation of the multi –plane multi speed exact point for flexible rotors balancing by the influence coefficient method ". Research contract with ministry of higher education and scientific research 2007.
58. " Vibrational analysis of beams and plates due to rotation and temperature gradient effects". Journal of Eng. College- Baghdad Univ. 2007 .
59. " static and dynamic characteristics of unmanned aircraft wing ". First scientific Conf. for Mech. And Elec. Eng. And Tech. Najaf . March 2008 .
60. " Finite element model of nonlinear viscoelastic solid".

61. "Assessment of thermal properties behavior of Glass/ Polyester composite after thermal fatigue conditioning ". Jordan J. of Mech. And Industrial Eng. (JJMIE- 51-08). 2008- Hashemite University.
62. " An investigation of thermal fatigue of Glass fiber reinforced polymeric composite laminate plate under combined loading ". Seventh International conf. on composite science and technology (ICCST/7) . American University of Sharajah -2008 .
63. " An optimum parameters for damping sys. Of the dual spin spacecraft". International conf. on advanced remotesensing for earth observation , Tech . 2 applications 7-11 May 2005. Riyadh –Kingdom Saudi Arabia .
64. " Analytical Investigation of functionally graded plate in thermal environment". The 6th Eng. Conf. collage of Eng. Baghdad university . 5-7 April 2009.
65. " Free Vibration analysis of composite laminated plates using Host 12". Will be cited in Eng. J.
66. " Dynamic balancing of rotating machinery by vibration measurement .
مشروع بحثي مع وزارة التعليم العالي و البحث العلمي 2005
67. " investigation into the vibration characteristics and stability of welded pipe conveying fluid ". Jordan Journal of Mech. And Industrial Eng Vol.4 No.3 ,June 2010
68. " Reduction of stress intensity factor in a uniaxially loaded plate ".
المؤتمر العلمي الرابع في امعة واسط 19-20 تشرين الاول 2010
69. " Thermal buckling of rectangular plates with different temperature distribution using strain energy method ". Journal of Eng. No.5 , Vol. 17 oct. 2011
70. " verification of laminated composite plate simulation under combined loading thermal stress " J. of Eng. Baghdad university .No.4 , Vol. 16 , Dec. 2010 .
71. "Buckling analysis of damaged composite plates under compression and shear loads". Accepted for publication in implementation of post graduate's researches to serve the society conf. 7-8 May 2012 .
72. " Buckling analysis of damaged composite plates under uniform or non – uniform compression load". .Accepted for publication in J. of Eng. According to certificate No. 119 in 20-2-2012
73. " Buckling analysis of stiffened and unstiffened laminated composite plates ". J. of Eng. Vol. 20. No. 8 , Aug. 2014.
74. " vibration analysis of laminated composite plate under thermos mechanical loading ". J. of Eng. No. 2, Vol. 20, Feb . 2014
75. " parametric study of design effect on the behavior of structural instability for carbon fiber reinforced Epoxy composite". Has been accepted in FNCES'12, 2012
76. "A novel method for evaluating the dynamic load factor of an involute gear tooth with a symmetric profile". J. of innovation systems design and engineering Vol. 5, No.10 , 2014
77. "Reduction of noise and vibration of spur gear by using asymmetric teeth profiles with tip relief". Accepted for publication in J. of Eng. No. 2/456 , 22-Jun.
78. " the effect of material and model type on behavior of femur bone under: static , model and dynamics analysis". J. of information engineering and applications, ISSN . Dec. 2014
79. " Dynamics load factor (DLF) bonus regarding piping systems ". International J. of current Eng. And technology, March 2015 . P-ISSN 2347-5161.
80. " vibration analysis of angle-ply laminates composite plate under thermos-mechanical effect ". Accepted for publication in J. of ENG. No. M 4/546 in Aug. 24. 2015
81. " Free vibration analysis of cross-ply laminated composite plate with temperature effect". Accepted for publication in J. of ENG. No. M 2/ 605 , Sept.8.2015

82. " Dynamics stability analysis and critical speed of rotor supported by a worn fluid film journal bearings ". Accepted for publication in J. of ENG. No. M2/ 1006 ,Dec. 9.2015
83. " study the dynamic behavior of rotor supported on a worn journal bearings " . Accepted for publication in J. of Eng. No. M.20/718 , Sept. 30.2015
84. Ali, Faris & Wadday, Ahmed & Al-Shamani, Ali & Ali, Raad. (2023). Stacked dielectric's resonator antenna high gain, pure axial radiation and wide bandwidth for green mobile networks for 5G. AIP Conference Proceedings. 2776. 040012. 10.1063/5.0136508.
85. Fakhri, O.; Youssef, G.; Nacy, S.; Jameel Al-Tamimi, A.N.; Hussein, O.; Abbood, W.T.; Abdullah, O.I.; AL-Karkhi, N.K. A Systematic Approach to Stable Grasping of a Two-Finger Robotic Hand Activated by Jamming of Granular Media. *Electronics* **2023**, *12*, 1902. <https://doi.org/10.3390/electronics12081902>.
86. Deghoum, K.; Gherbi, M.T.; Sultan, H.S.; Jameel Al-Tamimi, A.N.; Abed, A.M.; Abdullah, O.I.; Mechakra, H.; Boukhari, A. Optimization of Small Horizontal Axis Wind Turbines Based on Aerodynamic, Steady-State, and Dynamic Analyses. *Appl. Syst. Innov.* **2023**, *6*, 33. <https://doi.org/10.3390/asi6020033>
87. Jamali, H.U.; Sultan, H.S.; Abdullah, O.I.; Jameel Al-Tamimi, A.N.; Al-Masoudy, M.M.; Ruggiero, A.; Valigi, M.C. Analysis of Modified Finite Length Journal Bearing under Position Perturbation. *Lubricants* **2023**, *11*, 173. <https://doi.org/10.3390/lubricants11040173>.
88. Mohammed, M.N.; Omar, M.Z.; Jameel Al-Tamimi, A.N.; Sultan, H.S.; Abbud, L.H.; Al-Zubaidi, S.; Abdullah, O.I.; Abdulrazaq, M. Microstructural and Mechanical Characterization of Ledeburitic AISI D2 Cold-Work Tool Steel in Semisolid Zones via Direct Partial Remelting Process. *J. Manuf. Mater. Process.* **2023**, *7*, 11. <https://doi.org/10.3390/jmmp7010011>
89. AL-Karkhi, N.K.; Abbood, W.T.; Khalid, E.A.; Jameel Al-Tamimi, A.N.; Kudhair, A.A.; Abdullah, O.I. Intelligent Robotic Welding Based on a Computer Vision Technology Approach. *Computers* **2022**, *11*, 155. <https://doi.org/10.3390/computers11110155>
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