


## CURRICULUM VITAE

<b>Title</b>		Prof. Dr.	
<b>Name</b>		Ameen Ahmed Nassar Al-Edani	
<b>Sex</b>		Male	
<b>Marital</b>		Married	
<b>Date of Birth</b>		16 <sup>th</sup> Feb. 1961	
<b>Nationality</b>		Iraqi	
<b>Current occupation</b>		Professor at the Mechanical Engineering Department, College of Engineering, University of Basrah, Basrah, IRAQ.	
<b>Education</b>		<b>Emails:</b> <a href="mailto:ameenaledani@yahoo.com">ameenaledani@yahoo.com</a> ; <a href="mailto:aaledani@gmail.com">aaledani@gmail.com</a>	
1990	Ph.D. in Fracture Mechanics	Cranfield University, Cranfield, Bedford, MK43 0Al, England, U.K.	
1987	M.Sc. in Applied Mechanics	Cranfield University, Cranfield, Bedford, MK43 0Al, England, U.K.	
1984	B.Sc. in Mech. Engineering	Basrah University, College of Engineering, Basrah, IRAQ.	
<b>Title of Ph.D. Thesis</b>		Efficient Fracture Mechanics Programming Package for Linear and Nonlinear Problems Using Finite Element and Boundary Element Methods	
<b>Title of M.Sc. Thesis</b>		Linear Elastic Fracture Mechanics Analysis Using Finite and Boundary Elements Methods	
<b>Current Position</b>		Head of Chemical Engineering Department , College of Engineering, University of Basrah.	
<b>Previous Positions</b>		<p>(1) Head of Mechanical Engineering Department, College of Engineering, University of Basrah from November 2013 to November 2015.</p> <p>(2) Dean Assistant for Scientific Affairs and Postgraduate Studies, College of Engineering, University of Basrah from April 2004 to May 2006.</p> <p>(3) Acting Dean of the college, College of Engineering, University of Basrah from October 2003 to April 2004.</p> <p>(4) Dean Assistant for Students Affairs, College of Engineering, University of Basrah from July 2003to October 2003.</p> <p>(5) Head of Mechanical Engineering Department, College of Engineering, University of Basrah from April 2002 to July 2003.</p> <p>(6) Head of Material Engineering Department, College of Engineering, University of Basrah from February 2001 to April 2002.</p> <p>(7) Head of Mechanical Engineering Department, College of Engineering, University of Basrah from July 1996 to April 2000.</p>	
<b>Teaching experience</b>		<p>(1) Advanced Engineering Analysis</p> <p>(2) Advanced Numerical Analysis</p> <p>(3) Finite Elements</p> <p>(4) Plasticity</p> <p>(5) Advanced Vibrations</p>	
Ph.D. Courses		<p>(1) Advanced Numerical Analysis</p> <p>(2) Continuum Mechanics</p>	
M.Sc. Courses		<p>(1) Mechanical Vibrations</p> <p>(2) Theory of Machines</p>	
B.Sc. Courses			

<b>Skills</b>	Finite Element Method, Boundary Element Method, Vibrations, Fracture Mechanics, and Matlab
<b>Languages</b>	English & Arabic
<b>Computer Languages</b>	Matlab & Fortran
<b>Operating Systems</b>	Windows & Android
<b>Award /Memberships</b>	(1) Member of the Editorial Board of the “Universal Journal of Mechanical Engineering”, Horizon Research Publishing Corporation, USA. (2) Member of the Editorial Board of the “International Journal of Energy and Environment "Applied Mechanics Research"”(IJEE).
<b>Software</b>	Matlab, Simulink, Ansys, Microsoft Office (word, power point, Excel, etc.), Mathematica, and AutoCad
<b>Interested Research Areas</b>	Fracture Mechanics, Vibrations, Simulation and control, Matlab, Fatigue, Rotor dynamics, Neural networks, and Mechatronics
<b>Postgraduate Supervision</b>	Appendix (1)
<b>Publications</b>	Appendix(2)

## Appendix(1)

Type & Date	Student Name	Title	No.
Ph.D	Ali Habel Zuiabel	Creep, Recovery and Stress Relaxation of Plastics Under Combined Load Systems.	
Ph.D	A.K. F. Hassan	Experimental and Theoretical Investigation of Nonlinear viscoelastic Behavior of Solid Polymers.	
Ph.D	Samir N. Kamar	Development of a New Polyethylene IPN Powder Coating System for Concrete Surface Lining.	
Ph.D	Mujtaba A.W. Mosa	Design, Construction and Testing of A grasping Plate for Human Extracapsular Femoral Neck Fracture Fixation.	
Ph.D	Nathera A. Saleh	A New Design for Posterior Fixation of the Spine with Three Dimensional Finite Elements Modeling of a Complete Lumbar Spine.	
Ph.D	Thia Chasib Ali	Influence of casting Parameters on Thermo-Mechanical Behavior in Continuous Casting Process of Steel.	
Ph.D	Atheed H. Taha	Elastoplastic Fracture Toughness Analysis of Aluminum Alloy-5083.	
Ph.D	Khudiar A. Msohi	Analysis of Offshore Jack-up Platform under Static and Dynamic Loading.	
M.Sc	Ali Habel Zuiabel	Linear Elastic Fracture Mechanics Analysis using Boundary Element Method.	
M.Sc	Khudiar A. Msohi	Experimental Investigation of Constant Amplitude Cyclic Loading Effects on Aluminum Filler Metal A1060 Welding Joints with Filler Metal ER5356.	
M.Sc	Thia Chaseb Ali	A Prediction of Failure Behavior in Welded Joints using Experimental and Finite Element Techniques.	
M.Sc	Nathera A. saleh	Domain Loading Fracture Mechanics Linear Analysis using Finite Element Method.	
M.Sc	Rafil M. Lafta	Fracture Mechanics Analysis of Welded Joints using J-Integral and Finite Element Methods.	
M.Sc	Mushtaq K. Ali	A Programming Package for Vibration Analysis in Rotating Parts System.	
M.Sc	Kathum M. Shrama	Domain Loading Fracture Mechanics Analysis of Welded Components using Finite Element Method.	
M.Sc	Emad U. Baji	Fracture Mechanics Analysis of Welded Joints using Transition Finite Elements Method.	
M.Sc	Maitham S. Ibraheem	Fracture Mechanics Analysis of Laminated Composite Metals using Finite-Element Method.	
M.Sc	Azam D. Hassan	Bearing Dynamics Analysis using Finite Element Method.	

M.Sc	Samer N. Kamar	Fatigue Crack Growth Analysis using Finite Elements Method.	
M.Sc	AbdulKarem A. Hamed	Fatigue Crack Growth Analysis at Elevated Temperature using Finite Element Method.	
M.Sc	Haider H. Jasem	Domain Loading Fracture Mechanics Analysis of Composite Materials using Finite Element Method.	
M.Sc	Khlood I. Dawood	Fracture Mechanics Analysis of Polymers using Finite Element Method.	
M.Sc	Sattar J. Hashim	Analysis of Stress Corrosion Cracking by Anodic Dissolution Mechanism in Metals.	
M.Sc	Safaa K. Jias	Fracture Mechanics Analysis of Welding Joints using BEM with Subregion Technique.	
M.Sc	Usama A. Abdullah	Studying the Effect of Biaxial Loading Ratios on Crack Behavior.	
M.Sc	Usama J. Naem	Programming Package for Design Calculations and Analysis of Journal Bearings.	
M.Sc	Amjad A. Abulhussian	Effect of Graphite Addition on the Mechanical Properties of Aluminum-Silicon Alloys.	
M.Sc	Nathum S. Ashour	Finite Element Analysis of Copper Wire Drawing Process using Ansys Program.	
M.Sc	Abdulbasser S. Baheth	Design and Dynamic Analysis of Steel Structures using Finite Element Method and Visual Basic.	
M.Sc	Kareem K. Ugab	Introduction of Convection and Conduction Thermal Loads to the Calculation of J-Integral using Finite Element Method.	
M.Sc	Zainab M. Jasim	Effect of Broken and Uniformity of Fibers on Stress Redistribution in Composite Plates.	
M.Sc	Ahmed I. Khaleel	Fracture Resistance of Ferrocement Flexural Members.	
M.Sc	Ebtsam G. Faiath	Non-Linear Finite Elements Analysis for the Prediction of Fracture Toughness.	
M.Sc	Hashim N. Azoz	Linear Elastic Fracture Mechanics Analysis using Meshless Local Petrov-Galerkin Method with Unconventional Support Domains.	
M.Sc	Hayder E. Mansour	Calculation of Stress Intensity Factor for Blunted Crack Tip Plates using Extended Finite Element Method with Level Set Function.	
Deploma	Abdusalam T. Abdusalam	A computerized System for Analyzing and Designing a Plate Cam with Reciprocating Radial Roller Follower.	
Deploma	Asad K. Juda	Design of a Computerized System for Crank Mechanism Apparatus.	
Deploma	Zaid Ali Hussain	Visual Basic Programming Package for Machine Elements Design.	

## Appendix(2)

Vol. & Year	Publisher	Authors	Title	No.
20-21 April	2 <sup>nd</sup> Basrah Conference for Mechanical Eng.	Dr. Ameen A. Nassar	The 9-Node Lagrangian Element as Crack-tip Element for Fracture Mechanics Problems.	
11-12 March	4 <sup>th</sup> Basrah Conference for Engineering Research	Dr. Ameen A. Nassar Ali H. Zaibel	Efficient Two Dimensional Boundary Integral Expressions for Stress Analysis with Domain Type Loading	
Vol.(1) No.(1) 2000	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar Rafel M. Leftah	Mixed-Mode Fracture Mechanics Analysis of Welded Joints Using J-integral and Finite Element Methods.	
Vol.(3) No.(147)	Almuhandes Journal	Dr. Ameen A. Nassar Dr. A. S. Resen Ali H. Zaibel	Creep and Stress Relaxation of Plastics under Combined Loads.	
Vol.(20) No.(4) 2001	Engineering and Technology Journal	Dr. Ameen A. Nassar Nathera A. Saleh	Domain Loading Analysis of Rotating Components Using Two Dimensional Finite Element Method.	
Vol.(3) No.(1) 2002	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar Dr. A. S. Resen A. K. F. Hassan	A Computerized New Biaxial Creep Machine for Plastics.	
Vol.(9) No.(9) 2009	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar K. I. Al-helfi	Linear Creep Fracture of PMMA using Finite Element Method.	
Vol.(4) No.(1) 2004	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar Khudaier A. Mesohi	Experimental Investigation of Constant Amplitude Cyclic Loading Effect on Aluminum 1060 Welding Joints with Filler Metal ER5356.	
Vol.(4) No.(1) 2004	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar Haider H. Jasim	Finite Element Evaluation of Mode I Stress Intensity Factor of Composite Material Under Domain Loading.	
Vol.(4) No.(2) 2011	Al-Qadisia Journal for Engineering Sciences	Dr. Ameen A. Nassar Haider Khazal Mehbes Hassanien I. Khalaf	Utilizing of Elliptic Domain of Influence Formulation of Mesh Free Method for Solving LEFM Problems.	
Vol.(120) No.(2) 2012	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar	Torsional Vibration Analysis of Large Rotor System Using Finite-Element and Matlab Procedure	
Special Issue	Iraqi Journal for Mechanical and Material Engineering	Dr. Ameen A. Nassar Dr. Safaa A. S. Almtori Amjad A. Hussen	Corrosion behavior of Aluminum-Silicon Alloys in River, Tap and Sea water.	
Vol.(13) No.(1) 2013	Basrah Journal for Engineering Sciences	Dr. Ameen A. Nassar	New illustration for Mixed Mode Fracture Mechanics Analysis of Central-Crack Plates using Crack Extension Technique and Matlab.	

Vol.(31) No.(1) 2013	Engineering and Technology Journal	Dr. Ameen A. Nassar Dr. Luay S. Al-Ansari Zainab M. Jassim	Investigation the Redistribution Stresses in Fibre Composite Materials Due to Break in Uniform Fibre.	
Vol.(31) No.(4) 2013	Engineering and Technology Journal	Dr. Ameen A. Nassar	Evaluation of Critical Stress Intensity Factor for Cracked Plates using New Crack Extension Technique.	
Vol.(31) No.(16) 2013	Engineering and Technology Journal	Dr. Ameen A. Nassar	Introduction of Rotational Effects to the Calculation of J Integrals using Finite and Boundary Element Methods	
8-9 April	1 <sup>st</sup> Basrah International Conference for Civil Engineering Research	Dr. Ameen A. Nassar Dr. Atheed H. Taha Dr. William Tiu	Determination of ( $\delta$ -R) and (J-R) Curves of Aluminum Alloy EN AW-5083 using (SENB) Specimen.	
Speacial Issue 2013	The Iraqi Journal for Mechanical and Materials Engineering	Dr A. A. Nassar Dr Safaa Almtori A.A. Hussien	Corrosion behavior of Aluminum-Silicon Alloys in River, Tap and sea Water.	18
Vol. (2) No.(1) 2014	Universal Journal of Mechanical Engineering	Dr. Ameen A. Nassar Haider K. Mehbes Hashim N. Almahmud	Benefits of Using Non-consolidated Domain Influence in Meshless Local Petrov-Galerkin (MLPG) Method for Solving LEFM Problems.	9
Accepted	Thi-Qar University Journal for Engineering Sciences	Dr. Ameen A. Nassar	Dynamic Finite Elements Analysis of Coaxial Dual Rotor System Using MatLab	20
Vol. (3) No.(2) 2015	Universal Journal of Mechanical Engineering	Dr. Ameen A. Nassar	Graphical User Interface (GUI) for Vibration Analysis of Quarter car Suspension System Using Random and Ste-function Road Profiles	21
Speacial Issue 2015	The Iraqi Journal for Mechanical and Materials Engineering	Dr. Ameen A. Nassar Dr Atheed H. Taha Dr. Aziz H. Zaji	Determination of ( $\delta$ -R) and (J-R) Curves for pressure vissil Material EN AW(5083) Using Steped Nothched Compact Tension Specimens (CT).	22
Volume 2015	Hindawi publishing Cooperation	Dr. Ameen A. Nassar Haider J. Abed Jie Chen	Equivalent Air Spring Suspension Model for Quarter-Passive Model of Passanger Vehicals	23
8-9 April 2015	4 <sup>th</sup> Scinentific Conference for Engineering and Technological Scinces Islamic College University Al-Najaf Al-Ashraf	Dr. Ameen A. Nassar Duna Tariq Yassen	Vibration Response Analysis of Different Car Suspension Models Using MatLab	24
Speacial Issue 2016	The Iraqi Journal for Mechanical and Materials Engineering	Dr. Ameen. A. Nassar Hyder Mansour	Determination os Stress Intensity Factors for Blunted Crack Plates using (XFEM) with level set and Enrichment Functions.	25
Volume 8 No. 3 2016	Al-Qadisiya Journal for Engineering Sciencies	Dr. Ameen A. Nassar Hassanien Ibraheem Khalaf	Using of XFEM with Meshing Type-T3 for Orthotropic FGM Plate with a Centre Crack Parallel to the Material Gradation Under Fixed Grip Loading.	26

Volume 23 No. 5 2016	Mechanics of Advanced Materials and Structures	Dr. Ameen A. Nassar Haider Khazal Sohheil Mohammadi & et al.	An extended element free Galerkin method for fracture analysis of functionally graded materials	27
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