Curriculum Vitae of

Dr. Jabbar K. Jabbar GATTMAH (Ph.D, Mechanical Engineering/ Material Forming)

Profile

Dr. Jabbar GATTMAH received all his degrees in mechanical engineering. The major experience in field of material forming during the designing and manufacturing the dies and tools. Other experiences are Manufacturing and Machining, Engineering Elasticity and Plasticity, Production Engineering, Techniques of Residual Stresses Measurement, and Computer Aided Design as well as Finite Element Analysis and Simulation using various software.

Personal Information

Name:	Jabbar Kasim Jabbar
Surname:	GATTMAH
Designation:	Lecturer
Date & Place of Birth:	Jun, 19, 1974 IRAQ
Nationality:	Iraqi
Marital Status:	Married
Hobbies:	Traveling and Swimming
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Area of Research Interests

- Metal Forming Processes (Extrusion and Drawing)
- Residual Stresses Measurement (XRD, Cutting Method and Removing Layer Method)
- Manufacturing Operations
- Finite Element Analysis (Linear and Nonlinear)
- Designing and Manufacturing of Dies (Cutting Dies, Plastic Dies, Bending Dies, Forging Dies).
- Production Engineering
- Advanced Mechanics of Materials

Educational Qualifications

- **Ph.D,** Mechanical Engineering**,** Ankara, Turkey, 2017. Ankara Yildirim Beyazit University
  Title Thesis: Experimental and Finite Element Analysis of Residual Stresses in Cold Tube Drawing with A Fixed Mandrel for AISI 1010 Steel.
- **M.Sc,** Mechanical Engineering, Baghdad, Iraq, 2002. University of Technology.
  Title Thesis: Analysis of Drawing Process of Round Section Using Finite Element Method.
- **B.Sc,** Tools and Dies, Baghdad, Iraq, 1998. Technical College.

Engineering Software Skills

- ABAQUS: Finite Element Analysis
- ANSYS: Finite Element Analysis
- MSC NASTRAN: Finite Element Analysis
- Solid WORKS: Design and Analysis
- Auto CAD: Drawing, Design and Analysis

Training and Courses

- Computer Numerical Control (CNC) in Institute of workingman developing / Baghdad /1997.
- Auto Cad program in Institute workingman developing / Baghdad / 1997.
- English Language / University of Baghdad / Baghdad /1999.
- M.S.C NASTRAN Software for mechanical simulation (Finite Element Analysis)/ (Programmer home) Private Institute Baghdad / Baghdad / 2000.
- ANSYS Software for mechanical simulation (Finite Element Analysis)/ (Programmer home) Private Institute/ Baghdad / 2002.
- Educational Entitlement/ University of Diyala / Diyala / 2006.
- Computer Education / University of Diyala / Diyala / 2009.
- Simulation and Modeling of Technical Processes /University of Salahaddin,/ Erbil /2010.
- Turkish Language / University of Ankara / Ankara / 2012.
- Advanced course in English Language / Ankara Yildirim Beyazit University/ Ankara/ 2013.
- Linear Finite Element Analysis / Ankara Yildirim Beyazit University/ Ankara/ 2014.
- Nonlinear Finite Element Analysis / Ankara Yildirim Beyazit University/ Ankara 2014.
- ABAQUS / Ankara Yildirim Beyazit University/ Ankara/ 2014.
- SolidWorks Software / Ankara Yildirim Beyazit University/ Ankara/ 2014.

Languages

- Mother Language: Arabic
- Foreign Language: English & Turkish

Employment and Academic Histories

- **Lecturer,** Department of Materials Engineering, Engineering College, University of Diyala, Diyala, Iraq, (2017 onward).
- **Division Superintendent,** Engineering College, University of Diyala, Diyala, Iraq, (2017 onward).
- **Lecturer,** Department of Power and Machine, Engineering College, University of Diyala, Diyala, Iraq, (2006-2012).
- **Manger Assistant in Power and Machine Department,** Engineering College, University of Diyala, Diyala, Iraq, (2006-2012).
- **Manager of Networks department**, Communication Ministry, Communication of Diyala (2003-2006).
- **External Lecturer,** Science College, University of Diyala, Diyala, Iraq, (2002-2003).

Journal Publications

1. **Jabbar GATTMAH,** Fahrettin Ozturk, Sadettin Orhan, "Experimental and Finite Element Analysis of Residual Stresses in Cold Tube Drawing Process with A Fixed Mandrel for AISI 1010 Tube Steel", International Journal Advanced Manufacturing Technology, 93: 1229-1241, 2017.
2. **Jabbar GATTMAH,** Fahrettin Ozturk, Sadettin Orhan, "Effect of the Process Parameters on Cold Tube Drawing with A Fixed Plug Using Finite Element Analysis for AISI 1010 Steel, Sakarya University Journal of Science, 21(5): 886-892, 2017.
3. **Jabbar GATTMAH,** Fahrettin Ozturk, Sadettin Orhan, "Effect of Process Parameters on Hot Extrusion of Hollow Tube", Arabian Journal for Science and Engineering, 42:2021-2030, 2017.
4. **Jabbar Kasim Jabbar,** "Calculation of Relative Extrusion Pressure for Circular Section by Local Coordinates System by Using Finite Element Method F.E.M", Diyala Journal of Engineering Science, 2(3):80-96, 2010.
5. Saad Theyyab Faris, **Jabbar Kasim Jabbar**, "Rotation of local Coordinate for Analysis Drawing Process of Metal Polygonal Section by (FEM)", Engineering Science, 1(1):139-151, 2008.

Conference Publications

1. **Jabbar GATTMAH,** Fahrettin Ozturk, Sadettin Orhan,"Effect of the Semi Die/Plug Angles on Cold Tube Drawing by FEM for AISI 1010 Steel Tube", 4th International Symposium on Innovative Technologies in Engineering and Science 3-5 November, Alanya, Turkey, 2016.
2. **Jabbar GATTMAH**., Murat Özkan.., Ihsan Toktaş , Eylul Demir , "Comparison with different models of bending stress analysis of the cantilever beams under different profile section, materials and load, GAU Journal of Social and Applied Sciences, Volume 7, Issue 11, 173-182, 2015.

3. Eylul Demir, Ihsan Toktaş, Murat Özkan, **Jabbar GATTMAH**., "Comparison with different models of tensile and compressive stress analysis on a cantilever beam model", GAU Journal of Social and Applied Sciences, Volume 7, Issue 11, 183-194, 2015.

4. **Jabbar Kasim Jabbar,** Suha Karim Shihab, "Using Technique of Contact Element for Wire Drawing by Using Finite Element Method, International Engineering Convention, Damascus, Syria, 11-14 May 2009.