

## Personal Data



- + Name :- Dr. Muhammad Mustafa Gogazeh
- + Head of mechanical engineering department , Philadelphia university , Amman –Jordan 1017-2019
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[mmgogazeh99@gmail.com](mailto:mmgogazeh99@gmail.com).
- + Nationality: - Jordanian.
- + Place and date of birth: 1964- jarash- Jordan.
- + Marital Status:- married .

## Educational Data

### ❖ Graduated Study

- + University and City :- Yarmouk university Jordan ,Irbid .
- + Years attended :- 1982-1987 .
- + Degree and Specification :- B.Sc. in mechanical engineering .
- + Project Title:- study of contouring control of articulated robot arm .

### ❖ post -graduate Study

- + Collage and City: - University of Jordan , Amman.
- + Years attended: - 1994 – 1996.
- + Degree and Specification: - M.Sc. in mechanical engineering of rank very good with average 3.2 out of 4.00.
- + Final Year Project Title: **Theoretical evaluation thermoelastoplastic damping coefficient of rectangular cross section beam**, A m m a n , Jordan.
- + Ph.D. Baghdad university
- + Thesis: **Three dimensional turbulent flow prediction between two axial flow compressor blades using body fitted coordinates .**

✚ Average (rank) : excellent

### ❖ High School Study

✚ Name :- Jarash High School

✚ City :- Jarash , Jordan

✚ Graduation Year:- 1982.

✚ Average:- 88.7%.

### Training Programs and workshops

✚ Large number of training courses, workshops in mechanical engineering, maintenance , management and computer skills.



### Practical Experience

. Jordan armed forces , royal maintenance force Amman Jordan 1988-1990 .

. Nicolas Perdikis company , mechanical engineer , sales manager , Amman , Jordan 1990-1991 .

.Ministry of transport , Aqaba ports corporation , mechanical engineer 1991-1994 .

.Civil aviation authority , queen Alia international airport CPU engineer Amman Jordan.

.AL Balqa applied university , queen Noor college 200-2001 .

. Head of mechanical engineer department , Buraydah college of technology , kingdom of Saudi Arabia , assistant prof. 2001-2007

.King Saud university , department of mechanical engineer , assistant prof, 2008-2013

### Taught Courses

#### UNDER GRADUATE TAUGH COURSES

1. Numerical Analysis (2 SEMESTERS)
2. Engineering workshop I (3 SEMESTERS)
3. Engineering workshop II (3SEMESTERS)
4. Mechanical vibration (2 SEMESTERS)
5. Theory of machines (5 SEMESTERS)
6. Automatic control systems (4 SEMESTERS)
7. Engineering measurements (3 SEMESTERS)
8. Hydraulic machines (3 SEMESTERS)
9. Static (1 SEMESTERS)
10. Internal combustion engines (1 SEMESTERS)
11. Fluid mechanics ( 5 semesters )
12. Machine design 1 (12 semesters )
13. Machine design 2 (12 semesters )
14. Heat transfer ( 7 semesters )
15. Manufacturing process ( 6 semesters )
16. Engineering applied math ( 6 semesters )

17. Refrigeration and Air conditioning ( 4 semesters )
18. Material science ( 5 semesters )
19. Statics (7 semesters )
20. Dynamics (8 semesters )
21. Theory of vibration (4 semesters )
22. Machining processes (3 semesters )

#### POSTGRADUATE TUAGH COURSES:

- 1...applied engineering mathematics
- 2...continuum mechanics

### Administrative Duties

1. . Head of mechanical engineering department , Philadelphia university , Amman , Jordan 2.17-2019
2. .A consultant engineer for many projects , civil aviation authority , ministry of transport , Jordan during ( 1991-1999)
- 3...consultant engineer , Jordan engineers association . and also :

1. **Project and laboratories Committee (2014-now)**
2. **Final Year Project coordinator**
3. **Tenders committee**

### Experience description:-

#### Taught Labs

- Engineering drawing
- Vibration Lab
- Thermal Lab
- Strength Lab
- Mechanical Engineering Lab
- Engineering (AutoCAD)

#### Administrative Duties

- Computer lab. Supervisor:- 2007 – 2008.
- Strength Lab. Supervisor:- 2008 - 2012.
- Training committee
- Examination committee
- Quality assurance committee
- Web committee
- Organizing the 5<sup>th</sup> mechanical engineering day, 2010:-. registration committee

### Additional Qualifications

- **Languages :-** Arabic ( mother language ) and English ( TOEFL )
- **Computer skills:-** a good skills in using Microsoft office ( Word, Excel and power point ) MATLAB, Auto CAD, working model and Pro-Engineer and a good level in printing in both English and Arabic languages.

## Published Work and Filed of Interest

### ❖ Published Work ( papers and books ) -

Author	Research	journal	Year of Publication
MUHAMMAD MUSTAFA GOGAZEH*, HASAN ABDELRAZZAQ AL DABBAS, AND NABIL WANAS MUSA	Mathematical Model and Theoretical Investigation of the Performance of Journal Bearing Using a discretized Reynolds lubrication equation with finite width	International journal of mechanical engineering	11. 2023
Assim Hameed Yousif Al Daraje1 , Afrah Turki Awad2* , Mohamed Gogazeh3	IMPACT OF MEASUREMENTS TECHNIQUES ON HEAT TRANSFER CHARACTERISTICS IN AIR JET ARRAY	Journal of Engineering and Sustainable Development	2024
Muhammad Gogazeh, Hassan al dabbas	Three dimensional bolt member stiffness using frusta method	International Journal of Mechanical Engineering and Technology (IJMET) Volume 11, Issue 3, March 2020	2020
Sayel M. Fayyad, Nabil Musa, Hassan Dabbas, and Muhammad Gogazeh	Static And Dynamic Analysis Of Bevel Gear Set	Journal of Mechanical and Civil Engineering	2017
Muhammad Gogazeh	Characteristics and Analysis for Mechanical Instrumentation Used to Measure Fluid Viscosity	International Journal of Innovative Science and Modern Engineering	2016
Mohammad Quqazeh, Hasan .A.Aldabbas, Monzer.M. Krishan, Nabil	Characteristics and Analysis for Mechanical Instrumentation Used to Measure Fluid Viscosity	International Journal of Innovative Science and Modern Engineering	2016

Musa, Muhammad gogaze			
Hasan AL Dabbas, Nabil M Musa, Mohammad Quqazeh	Mechanical Characteristic of concentric and Eccentric Drilling Cutting Tool	International Journal of Applied Engineering Research	2015
Muhammad Gogazeh <sup>1</sup> , Sayel M. Fayyad <sup>2</sup> , Hassan Dabbas <sup>3</sup> , and Nabil Musa <sup>4</sup>	Three Dimensional Stress-Strain Analysis of a Typical Gas Turbine Blade Using Finite Element Method	Conference of mechanical engineering -Jordan engineers association	2019
Muhammad.M.  Gogazeh  Hassan  aldabass	Three dimensional analysis of bolted joint member stiffness using frusta method	INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING and technology	2020
Khalil Azimeh <sup>1</sup> and Muhammad Gogazeh <sup>2</sup>	Extending the service life of oil pumps by detonation coating	Australian journal of basic and applied science	2014
Mohammad Quqazeh, Hasan .A.Aldabbas, Monzer.M. Krishan, Nabil Musa	Characteristics and Analysis for Mechanical Instrumentation Used to Measure Fluid Viscosity	International Journal of Innovative Science and Modern Engineering	2016
Hasan AL Dabbas, Nabil M Musa, Mohammad Quqazeh	Mechanical Characteristic of concentric and Eccentric Drilling Cutting Tool	International Journal of Applied Engineering Research	2015
Muhammad Gogazeh <sup>1</sup> , Sayel M. Fayyad <sup>2</sup> , Hassan Dabbas <sup>3</sup> , and Nabil Musa <sup>4</sup>	Three Dimensional Stress-Strain Analysis of a Typical Gas Turbine Blade Using Finite Element Method	Conference of mechanical engineering -Jordan engineers association	2019
Muhammad Gogazeh Hassan aldabass	Three dimensional analysis of bolted joint member stiffness using frusta method	INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING and technology	2020

Sayel M. Fayyad <sup>1</sup> , Nabil Musa <sup>2</sup> , Hassan Dabbas <sup>3</sup> , and Muhammad Gogazeh <sup>4</sup>	Static And Dynamic Analysis Of Bevel Gear Set	Journal of Mechanical and Civil Engineering (IOSR-JMCE)	2015
Muhammad Gogazeh	Principles of refrigeration and air conditioning	Book – king Saud university	2006
Muhammad Gogazeh	Mechanical measurements and control for mechanical engineering	Book – king Saud university	2008

### Memberships

- Jordanian Society For Renewable Energy: 2014 –Now
- The Jordanian National Committee of the International Institute of Refrigeration, 2012-Now
- Jordanian society of engineers, 2007-Now

### Personals

1. **Prof. Mahmoud A. Hammad**:- emeritus professor from mechanical engineering department-JU and former dean of faculty of engineering and technology in JU.

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2. **Prof Adnan Dawood** , department of mechanical engineering , Philadelphia university , Amman , Jordan **ADNAN DAWOOD @PHILADELPHIA .EDU.JO ,**

