

# CURRICULUM VITAE



## Basic INFO

Full Name (without abbreviation): Prof. Dr. Majid Khalil Najim

Gender: Male, Date of Birth: 02-08-1960

Place of birth (City and Country): Mosul-Iraq,

Nationality: Iraqi Linguistic Expertise: Arabic & English

Valid E-mail ID: majidnajim@ntu.edu.iq

Main field of specialization is: Applied mechanics.

Current work address: Associate Professor, Technical Engineering College of Mosul, power mechanics Engineering department. Dean of Technical Engineering College of Mosul.

Area of expertise is:

## Education

University of Mosul, Bachelor in Mechanical Engineering, Mosul-Iraq, 1982.

University of Mosul, Master in Applied mechanics, Mosul-Iraq, 1986.

University of Mosul, PhD. in Applied mechanics, Mosul-Iraq, 2006.

## Thesis Title

M.Sc. “Application of CAD / CAM techniques in optimizing milling process”

Ph.D. “Reduction of thermal stresses in spur gear using axial and radial holes”

## Work Experience

| Year      | Work Description                                                                            |
|-----------|---------------------------------------------------------------------------------------------|
| 1988-1991 | Head of Mechanics Department at Numrod Technical Institute<br>Lecturer of Mechanical design |
| 1991-2008 | Lecturer at Mosul Technical Institute.                                                      |
| 2008-2009 | Lecturer at Technical College of Mosul.                                                     |
| 2009-2011 | Head of Ref. And Air conditioning Dept. / Technical college of Mosul                        |
| 2011-2013 | Deputy dean for student affairs/ Technical college of Mosul.                                |
| 2014-2017 | Head of Ref. And Air conditioning Dept. / Technical college of Mosul.                       |
| 2017-2019 | Deputy dean for Scientific and Post-graduate studies/ Technical college of Mosul.           |
| 2019-now  | Dean of the Technical Engineering College of Mosul                                          |

## Teaching Experience

1-Assist. Lecturer, Numrod Technical Institute, 1988-1991 for each of the following subjects:

Automobile maintenance, manufacturing process1, Manufacturing process2, Engineering design.

2- Lecturer, Mosul Technical Institute, Mechanical Department, 1991 - 2008 for each of the following subjects:

Engineering Design, Manufacturing process2, Mathematics, Engineering Mechanics.

3- Lecturer, Technical College of Mosul, Refrigeration and Air-conditioning Eng., 2008

4- Assist. Prof., Technical College of Mosul, 2009 – till now for each of the following subjects:

Engineering Thermodynamics2, Air-conditioning, Theory of Machine and Vibration.

5- Assist. Prof., Technical College of Mosul, Power Electrical Eng., 2009 - 2010 for Engineering Analysis for postgraduate studies in MSc.

6- Assist. Prof., Technical College of Mosul, Building & Construction Eng., 2010 - now for Theory of Elasticity and Plasticity for postgraduate studies in MSc.

## Supervision

| Name                | Level | Title                                                      | Duration                |
|---------------------|-------|------------------------------------------------------------|-------------------------|
| Ayad Abdullah Mousa | MSc   | Characterization of self – compacting lightweight concrete | 21-11-2011 - 21-11-2012 |

## List of Publications

1. AM, Saeed K Rejeb Ayad; ,Effect of Fibers and Filler Types on Fresh and Hardened Properties of Self-Compacting Concrete,Tikrit Journal of Engineering Science (TJES),20,3,1-18,2013,
2. Saeed K. Rejeb\*, Majid Kh . N. Ayad A. M.; ,the effect of fibers and fillers types on the fresh and hardened properties of self-compacting concrete,Tikrit University - college of engineer,21,1,,2014,Tikrit University
3. Najim, Majid K.; ,the usage of computer program for the selection of optimized cutting conditions in turning and grinding processes,Foundation of Technical Education journal,17,1993,83-102,1993,Foundation of Technical Education
4. Najim, Majid kh.; ,prediction of an equation relating the cutting variables with vibration in vertical milling machine,Foundation of Technical Education Journal,54,1999,42-51,1999,Foundation of Technical Education
5. Dr. waleed Jalal , Majid kh. najim, Iman zedan ali; , فنيدم يف ةرفوتملا لامرلا ةمئلامو تافص ةسارد , Tikrit university journal,2,,1-10,1995,Tikrit university
6. Dr. sabah M jameel , Dr. yousef tawfeeq , Majied kh. Najim, Sabri khadim  
زيرفتلاو ريودتلاب ةصاخلا ليغشتلا تايلامع طيطخت يف ةينورتكللاا ةيساحلا ,  
Habeeb; ,مادخنسا,The engineering and Technology Journal,,,,,University of Technology
7. Dr. khaled A. Yacoub, Majid k. najim, Raiek j. al-ghadanfary; ,Determination of cutting tool temperature equation,Department of Mechanical engineer,,,413-421,1993,University of Basrah
8. Majid k. najim , sana m. abed, iman z. ali; , "A computer package of planing of optimizing the cutting operation in truing , shaping , drilling, milling and grading processes",Department of Mechanical engineer,,,403-412,1993,University of Basrah
9. Majid .k. Najim, Raiek J. al-ghadanfary; ,Effect of cutting fluids on surface roughness of different work piece material in end milling,Foundation of Technical Education,,,343-356,1989,

10. Prof. S.M.J. Ali, Dr. V.Y. tawfeeq, Sk. Habeeb and Mk. Najim; ,A computer package for planing the cutting operation in truing and milling process,International conference on engineering design,3,,187-196,1988,WDK 16
11. Majid Kh. Najim, Nawal abduhakeem H.; ,A computer Package for optimizing the cutting variables in truing process,Foundation of Technical Education Journal,,,,1990,Foundation of Technical Education
12. Majid K. Najim, Younis M. Ali, Raiek J. Al-ghadanfary; ,A Computer package for optimum cutting variable in grinding process,Al-Rafidayn Journal,,,,1992,University of Mosul
13. Prof. Sabah M.J. Ali, Dr. Y. Tawfeeq, Majid K. Najim; ,Optimization of cutting variables in milling process,,,,,1990,
14. Dr. Y. Tawfeeq , majid K. Najim, Mofaaq M. Ali; ,Optimization of cutting variable in shaping process,Process INT Conference ST. Comp. SOC. Research and DEM,,,,,129-147,1990,
15. Majid k. Najim, Dr. Y. Tawfeeq; ,Optimization of cutting variables in Drilling Process,Foundation of Technical Education Journal,,,,1992,Foundation of Technical Education
16. Majid Kalel Najim, Jamal Nayief Sultan, Emad Toma Karash; , Comparison of the Resistance of Solid Shell of Composite Materials with other Solid Metal Materials. IMDC-SDSP2020, June 28-30, Cyberspace, 2020 EAI
17. Tariq Khalid Abdulazzaq, Majid Kh. Najim, Haitham M. Wadullah, S. M. J. Ali; , A Comparison study between base and forced excitation at the top floor for multi-story structure. AIP conference proceedings 2213, 020152 (2020), published online: 25 March 2020
18. Sultan, J.N., Karash, E.T., Najim, M.K. FATIGUE BEHAVIOUR OF TEMPERED AND ISOTHERMAL HEAT TREATED AISI 5160 LEAF SPRING STEEL Jurnal Teknologi, 2023, 85(3), pp. 15–24
19. Sediqr, T.A.A., Karash, E.T., Sultan, J.N., Najem, M.K. Finding the Weight Difference of a Rectangular Structure with a Parabolic Arc for Mathematical Models Made of Steel and other Composite Materials WSEAS Transactions on Applied and Theoretical Mechanics, 2023, 18, pp. 178–194
20. Najem, M.K., Sultan, J.N., Karash, E.T., Ali, A.M., Ibrhim, H.A. The Influence of Repeated Heat Treatments on The Propagation of Fatigue Cracking of Medium Carburized Steel Journal of Mechanical Engineering, 2023, 20(3), pp. 387–408
21. Karash, E.T., Sultan, J.N., Najem, M.K., Hamid, A.F. Comparison of the Influence of Temperature Change Distribution of Three Surface Regions on the Hardness of

Two Dissimilar Aluminum Alloys Welded by Friction Stir Welding  
International Journal of Heat and Technology, 2022, 40(4), pp. 1013–1023

22. Karash, E.T., Sultan, J.N., Najem, M.K. The Difference in the Wall Thickness of the Helicopter Structure Are Made of Composite Materials with Another Made of Steel  
Mathematical Modelling of Engineering Problems, 2022, 9(2), pp. 313–324
23. Najem, M.K., Karash, E.T., Sultan, J.N. The Amount of Excess Weight from the Design of an Armored Vehicle Body by Using Composite Materials Instead of Steel  
Revue des Composites et des Materiaux Avances, 2022, 32(1), pp. 1–10
24. Sultan, J.N., Najem, M.K., Karash, E.T. Effect of heat-treatment temperature on the corrosion behaviour of cold worked 6111 aluminium alloy  
Journal of the Korean Society for Precision Engineering, 2021, 38(6), pp. 385–395
25. Sultan, J.N., Yahya, I.Z.A., Karash, E.T., Najem, M.K. The Effect of Heat Treatment on the Hardness of Medium Carbon Steel  
Revue des Composites et des Materiaux Avances, 2024, 34(4), pp. 417–425
26. Ali, H.M., Najem, M.K., Karash, E.T., Sultan, J.N. Stress Distribution in Cantilever Beams with Different Hole Shapes: A Numerical Analysis  
International Journal of Computational Methods and Experimental Measurements, 2023, 11(4), pp. 205–219