

Curriculum Vitae

Ridha Alwan Ahmed

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PERSONAL SUMMARY:

- Name: Ridha Alwan Ahmed
- Date of Birth: 1965
- Place of Work: Faculty of Engineering/ Mustansiriyah University
- Languages: Arabic/English
- Scientific title: Lecturer

EDUCATION:

- B.Sc.: 1987 Production Engineering and Metallurgy
- M.Sc.: 2002 Mechanical Engineering

ACADEMIC HONORS AND AWARDS:

I have got many thinking and acknowledgment certificates (more than 40) these issued from many administrative and scientific offices, like the office of the president of Al-Mustansiriyah University, and office of the dean of the faculty of engineering at Al-Mustansiriyah University. All these are given to me according to great efforts and participating in many committees and scientific events.

ACADEMIC /TEACHING EXPERIENCE:

- Taught "Mechanical Drawing" Subject in Technical College /1997/ 1998.
- Taught "Mechanical Workshop" subject in instute of Technology / 1998.
- Taught "Manufacturing Processes" subject in instute of Dies / 2002.
- Taught "Engineering Drawing" subject in Faculty of Engineering /Mechanical and Computers Engineering Departments. .
- Taught" Advanced Mathematics" subjects/ Faculty of Engineering / Computers Engineering Department.
- Taught" Auto Cad" subjects/ Faculty of Engineering / Computers Engineering Department
- Supervised of projects for the fourth stage.

COURSES TAUGHT:

Undergraduate	Graduate
<ul style="list-style-type: none">• Mechanical Drawing• Mechanical Workshop• Manufacturing Processes• Engineering Drawing• Advanced Mathematics• Auto Cad	

PROFESSIONAL AFFILIATIONS:

- Member of Iraqi Engineers Union.
- Member of Iraqi Society of Engineers.
- Member of Iraqi Teachers Union.

PUBLICATIONS:

- Papers:

1. "دراسة تصميم قالب قطع مرحلي", *Ridha Alwa Ahmed*, Journal of Engineering and Development, Vol.14, No.3 . September. 2010 (ISSN 1813- 7822).
2. " **A Computer Program for Calculating the Circular Product Dimensions During Deep Drawing Operations Steps**", *Ridha Alwa Ahmed*, Journal of Engineering and Technology, Vol.31, Part (A),No.13, 2013 (ISSN 1681- 6900).
3. "Simulation of Unsteady Flow around a Cylinder ", *Ridha Alwa Ahmed*, Wasit Journal of Engineering Science, Vol.3, No.2, 2015 (ISSN 2305- 6932).
4. "Mathematical Analysis of Square Hole Drilling Mechanism" *Ridha Alwan Ahmed*, Journal of Engineering and Sustainable Development, Vol. 22, No. 10, January 2018 (ISSN 2520-0917).
5. "Geometrical Design and Optimization of Stirrer for Friction Stir Welding", *Nadhim M. Faleh**, *Ridha A. Ahmed*, *Raad M. Fenjan*, Asian Journal of Applied Sciences, Volume 06 – Issue 01, February 2018 (ISSN: 2321 – 0893).
6. " On vibrations of porous FG nanoshells" *Nadhim M. Faleh **, *Ridha A. Ahmed* , *Raad M. Fenjan*, International Journal of Engineering Science, 133 (2018) Elsevier Ltd. 1–14 (ISSN: 0020-7225).
7. "Dynamic analysis of graded small-scale shells with porosity distributions under transverse dynamic loads" *Nadhim M. Faleh*, *Raad M. Fenjan* and *Ridha A. Ahmed*, The European Physical Journal Plus (2018) Springer 133: 348 (ISSN: 2190-5444).
8. "Analyzing post-buckling behavior of continuously graded FG nanobeams with geometrical imperfections" *Ridha A. Ahmed*, *Raad M. Fenjan* and *Nadhim M. Faleh*, Geomechanics and Engineering, Vol. 17, No. 2 (2019) 175-180 (ISSN: 2005-307X).
9. "Nonlocal strain gradient thermal vibration analysis of doublecoupled metal foam plate system with uniform and non-uniform porosities" *Raad M. Fenjan*, *Ridha A. Ahmed*, *Abbas A. Alasadi* and *Nadhim M. Faleh*, Coupled Systems Mechanics, Vol. 8, No. 3 (2019) 247-257 (ISSN: 2234-2184).
10. " Analyzing nonlinear vibrations of metal foam nanobeams with symmetric and non-symmetric porosities" *Abbas A. Alasadi*, *Ridha A. Ahmed* and *Nadhim M. Faleh*, Advances in Aircraft and Spacecraft Science, , Vol. 6, No. 4 (2019) 273-282 (ISSN: 2287-528X).
11. " Investigating dynamic stability of metal foam nanoplates under periodic in-plane loads via a three-unknown plate theory" *Raad M. Fenjan*, *Ridha A. Ahmed* and *Nadhim M. Faleh*, Advances in Aircraft and Spacecraft Science, Vol. 6, No. 4 (2019) 297-314 (ISSN: 2287-528X).
12. "Dynamic characteristics of multi-phase crystalline porous shells with using strain gradient elasticity" *Ridha A. Ahmed*, *Ammar F.H. Al-Maliki* and *Nadhim M. Faleh*, Advances in Nano Research, Vol. 8 No. 2 (2020) 157-167 ISSN: 2287-237X (Print), 2287-2388 (Online).
13. "Forced Vibrations of Multi-phase Crystalline Porous Shells Based on Strain Gradient Elasticity and Pulse Load Effects" *Nadhim M. Faleh* · *Raad M. Fenjan* · *Ridha A. Ahmed*, Journal of Vibration Engineering & Technologies, (2020) ISSN 2523-3920.
14. "A review of effects of partial dynamic loading on dynamic response of nonlocal functionally graded material beams" *Ridha A. Ahmed*, *Raad M. Fenjan*, *Luay Badr Hamad* and *Nadhim M. Faleh*, Advances in Materials Research, Vol. 9, No. 1 (2020) 33-48, ISSN: 2234-0912 (Print), 2234-179X (Online).
15. "Thermal buckling of nonlocal clamped exponentially graded plate according to a secant function based refined theory" *Mohammed Abdulraoof Abdulrazzaq*, *Raad M. Fenjan*, *Ridha A. Ahmed* and *Nadhim M.*

- Faleh*, Steel and Composite Structures, Vol. 35, No. 1 (2020) 149-159, ISSN: 1229-9367 (Print), 1598-6233 (Online).
16. **"Finite element based modeling and thermal dynamic analysis of functionally graded graphene reinforced beams"**, *Ammar F.H. Al-Maliki, Ridha A. Ahmed, Nader M. Moustafa and Nadhim M. Faleh*, Advances in Computational Design, Vol. 5, No. 2 (2020), ISSN: 2383-8477 (Print), 2466-0523 (Online).
 17. **"Nonlinear vibration of smart nonlocal magneto-electro-elastic beams resting on nonlinear elastic substrate with geometrical imperfection and various piezoelectric effects"**, Smart Structures and Systems, Vol. 25, No. 5 (2020) 619-630, ISSN: 1738-1584 (Print), 1738-1991 (Online).
 18. **"Nonlocal nonlinear dynamic behavior of composite piezo-magnetic beams using a refined higher-order beam theory"**, *Raad M. Fenjan, Ridha A. Ahmed and Nadhim M. Faleh*, Steel and Composite Structures, Vol. 35, No. 4 (2020) ISSN: 1229-9367 (Print), 1598-6233 (Online).
 19. **"Nonlinear vibration characteristics of refined higher-order multi-phase piezo-magnetic nanobeams"**, *Raad M. Fenjan, Ridha A. Ahmed, Nadhim M. Faleh*, Eur. Phys. J. Plus (2020, ISSN: 2190-5444 2190-2444.
 20. **"Dynamic response of size-dependent porous functionally graded beams under thermal and moving load using a numerical approach"**, *Raad M. Fenjan, Ridha A. Ahmed, Nadhim M. Faleh and Fatima Masood Hani*, Structural Monitoring and Maintenance, Vol. 7, No. 2 (2020) 69-84, ISSN: 2288-6605 (Print), 2288-6613 (Online).
 21. **"Numerical investigation on scale-dependent vibrations of porous foam plates under dynamic loads"**, *Raad M. Fenjan¹, Ridha A. Ahmed¹, Nadhim M. Faleh² and Fatima Masood Fatima*, Structural Monitoring and Maintenance, Vol. 7, No. 2 (2020) 85-107, ISSN: 2288-6605 (Print), 2288-6613 (Online).
 22. **"Static stability analysis of smart nonlocal thermo-piezo-magnetic plates via a quasi-3D formulation"**, *Raad M. Fenjan¹, Ridha A. Ahmed¹, Nadhim M. Faleh¹ and Fatima Masood Han*, Smart Structures and Systems, Vol. 26, No. 1 (2020) 77-87, ISSN: 1738-1584 (Print), 1738-1991 (Online).

PROFESSIONAL DEVELOPMENT:

Conference:

- Scientific Conference of the Faculty of Engineering of the University of Mustansiriyah of Communications and Computers Engineering in 2010..
- The First Conference on Sustainable and Renewable Energy Which was Held in Iraqi Society of Engineers Sponsored and Co-sponsored by Ministry of Higher Education and Scientific Research, Iraqi University, State Institutions, Specialized Companies and NGDs in 2015 .
- The Second Conference on Sustainable and Renewable Energy Which was Held in Iraqi Society of Engineers Sponsored and Co-sponsored by Ministry of Higher Education and Scientific Research, Iraqi University, State Institutions, Specialized Companies and NGDs in 2016 .
- Scientific Conference of the Faculty of Engineering University of Mustansiriya University of Communications and Computing 2010.
- The first sustainable and renewable energy conference held at the Iraqi Society of Engineers under the auspices and participation of the Ministry of Higher Education and Scientific Research, Iraqi universities, official departments, specialized companies and civil society organizations 2015.
- The second sustainable and renewable energy conference held in the Iraqi Society of Engineers under the auspices and participation of the Ministry of Higher Education and Scientific Research, Iraqi universities, official departments, specialized companies and civil society organizations 2016.
- Ninth Annual Conference of the Faculty of Political Science, Mustansiriya University, held on April 27, 2017.
- The Second Annual International Conference of Al-Irfan Foundation for Islamic Culture held at the College of Education, Ibn Rushd University of Baghdad, held on March 8, 2018.

- The fourth and first scientific engineering conference in sustainable engineering held in the Department of Architecture, Faculty of Engineering, Mustansiriya University, held on 28-29 March 2018.
- Fourth International Engineering Conference on Information and Communications Technology held on 15-16 April 2019 in Baghdad, Iraq.
- The first conference of modern systems in electrical and mechanical engineering and its applications held on 26-27 June 2019 in the Iraqi Society of Engineers.
- The First International Conference on Computer Science and Applied Sciences 1st-CAS2019 and with scientific support by the IEEE International Foundation represented by its branch in Iraq, which is held in Al-Mustansiriya University / College of Education / Department of Computer Science, on December 18-19, 2019.
- The first virtual scientific conference for postgraduate students (Scientific research in the time of the Corona pandemic), which was held by the College of Engineering, Al-Mustansiriya University, on Monday 8 /6/ 2020.



الإستاذ المساعد الدكتور
علي جبار كاظم
معاون العميد
للشؤون العلمية والدراسات العليا

م.م.م. إخلاص حميد كرم
رئيس قسم هندسة الحاسوب
15/9/2020



م. رضا علوان احمد