

## CURRICULUM VITAE

**1. Name and Surname:** Fae'q A. A. Radwan

**2. Date of birth:** 1956

**3. Profession:** Associate Professor of Applied Mechanics, Full Time

### 4. Education

Degree	Specialty	University	Year
Bachelor	Physics/ Mathematics	University of Jordan	1980
Master	Physics	Middle East Technical University	1983
Doctorate	Engineering Sciences	Middle East Technical University	1991

### 5. Academic titles

2003 – Present In Near East University, Faculty of Engineering, Assoc. Prof. Dr.

1993-2003 In Near East University, Asst. Prof. Dr.

1991-1993 In The Higher College for Certification of Teachers, Jordan, Asst. Prof. Dr.

Full-Time Instructor:

1980-1981 In The Arab College, Jordan.

1983-1984 In The Al-Quddus College, Jordan.

1984-1987 In The Ministry of Education, Saudi Arabia.

1989-1991 In Engineering Sciences Dept. M.E.T. Ankara .

### 6. List of Supervised Projects:

1 – Buckling of Columns.

2 – Network Optimization.

### 7. Memberships and Professional Societies:

**7.1** - A Corporate Member of the Institute of Physics, London, UK.

**7.2** - A Member of the International Association of Engineers, (IAENG).

**7.3** - Honorary member of editorial board of Pelagia Research Library.

**7.4** -Member of the editorial board of the following:

a) Open Science Journal of Mathematics and Application.

b) American Journal of Materials Science and Application.

c) Open Science Journal of Modern Physics.

**7.5** - Member of the Faculty Row (The official Home of America's Top Professors™).

**7.6** - As one of the External Reviewers of IEEE Xplore TALE 2013,( IEEE International Conference on Teaching Assessment and Learning for Engineering).

**7.7**- As one of the External Reviewers of IEEE Xplore TALE 2014,( IEEE International Conference on Teaching Assessment and Learning for Engineering).

**7.8** – As a member of Technical Program Committee, 'GS International Multi Conference on Science and Technology 2014', 'GS-MICST14, Dubai, UAE',

### 8. Publications

**1.** F. A. A. Radwan, 'Scalar Irreducible Parts of Sixth Rank Tensor', Arab Gulf Journal of Scientific Research, 19 (3), Pp163-166, (2001).

2. Fae'q A. A. Radwan, 'Anisotropy of Zn Structure Semiconductrs', Pak. J. Appl. Sci. Vol. 1 (4): 426-427, 2001.
3. Fae'q A. A. Radwan, 'Anisotropy of the Groups IV and III-V Semiconductors And Indium-Bismuth', Pak. J. Appl. Sci. Vol. 1 (4): 435-437, 2001.
4. Fae'q A. A. Radwan, 'Solutions of Partial Differential Equations Using Excel', Pak. J. Appl. Sci. Vol. 1 (4): 458-465, 2001.
5. Fae'q A. A. Radwan, 'Anisotropy of Lithium Compounds', Pak. J. Appl. Sci. Vol. 1 (4): 512-513, 2001.
6. Fae'q A. A. Radwan, 'Solutions of Optimization Problems Using Excel ', Pak. J. Appl. Sci. Vol. 2 (1): 44-47, 2002.
7. Fae'q A. A. Radwan, 'Solutions of Initial Value Problems Using Fifth-Order Runge-Kutta Method Using Excel Spreadsheet', Pak. J. Appl. Sci. Vol. 2 (1): 92-96, 2002.
8. Fae'q A. A. Radwan, 'Solution of Linear System of Simultaneous Ordinary Differential Equations Using Euler's And Heun's Methods Using Excel Spreadsheet', Pak. J. Appl. Sci. Vol. 2 (2): 262-269, 2002.
9. Fae'q A. A. Radwan, 'Some Properties of The Alloys Au-Cd,  $Au_xCu_{53-x}Zn_{47}$ , And Au-Ni', Pak. J. Appl. Sci. Vol. 2 (6): 623-624, 2002.
10. Fae'q A. A. Radwan, 'Building Materials Selection and Specification', Journal of Civil Engineering and Architecture, David Publishing Company, USA, Volume-4, No. 9, September 2010, (Serial No. 34), pp 56-61.
11. Fae'q A. A. Radwan, 'Some Properties of Magnesium Alloys at Different Percentages of Lithium, Silver, Tin, Indium and Zinc', Pelagia Research Library, Advances in Applied Science Research, 2011, 2(1): 120-124.
12. Fae'q A. A. Radwan, 'Some Properties of Tantalum Alloys at Different Percentages of Hydrogen, Molybdenum, Niobium, Rhenium and Tungsten', Pelagia Research Library, Advances in Applied Science Research, 2011, 2(1): 235-239.
13. Fae'q A. A. Radwan, 'Some Properties of Copper - Gold and Silver - Gold Alloys at Different % of Gold', Journal: Lecture Notes in Engineering and Computer Science Year: 2011 Vol 2189, Issue: 1, pp1221-1224.
14. Fae'q A. A. Radwan, " Isotropy of Some Types of Bones", International Journal of Engineering Science and Technology (IJEST), Vol. 3 No. 4 April 2011: 3382-3386.
15. Fae'q A. A. Radwan, 'Comparison of Anisotropy of Human Mandible, Human Femora and Human Tibia with Canine Mandible and Canine Femora and With Bovine Femurs', Journal: Lecture Notes in Engineering and Computer Science Year: 2012 Vol 2195, Issue: 1, pp132-135.
16. Fae'q A. A. Radwan, 'Isotropy of Refractory Metals and Precious Metals' International Journal of Research and Reviews in Applied Sciences, Academic Research Publishing Agency, IJRRAS, Vol. 11, Issue. 1, April 2012, pp37- 40.
17. Fae'q A. A. Radwan, 'Some properties of alkali halides', Pelagia Research Library, Der Chemica Sinica, 2014, 5(1):22-25.
18. Fae'q A. A. Radwan, 'Some properties of copper-nickel at different % of Ni', Pelagia Research Library, Der Chemica Sinica, 2014, 5(1):34-38.
19. Fae'q A. A. Radwan, 'Isotropy of Some Cubic System Alloys', International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-3, Issue-3, February-2014, 361-362.
20. Fae'q A. A. Radwan, 'Isotropy of Intermetallic Compounds', International Journal of Computer Science, Engineering and Applications (IJCSEA) Vol.4, No.3, June 2014, 41-45.

21. Fae`q A. A. Radwan, 'Anisotropy of Ferromagnetic Materials', TMLAI: Transactions on Machine Learning and Artificial Intelligence, Society for Science and Education – United Kingdom, Vol 2. No.4 (2014); 127-131.

22. Fae`q A. A. Radwan, 'Isotropy of Some Potassium, Sodium and Rubidium Compounds', British Journal of Applied Science & Technology, Vol 8. No.2 (2015); 162-164.

## 9. Books

1. Fae`q A. A. Radwan, (March-2000), Linear Algebra and Differential Equations, Near East University, Nicosia-Turkish Republic of Northern Cyprus, 123 P.

2. Fae`q A. A. Radwan, (November-2000), Numerical Analysis Using Excel, Near East University, Nicosia-Turkish Republic of Northern Cyprus, 208 P.

## 10. International Symposiums and Conferences Proceedings

1. Fae`q A. A. Radwan, 'Norm Ratios And Anisotropy Degree', The First International Conference In Mathematical Sciences, Aplied Mathematics, Icm99, November 1999, United Arab Emirates University, Al Ain, United Arab Emirates, Pak. J. Appl. Sci. Vol. 1, (3): 301-304, 2001.

2. Fae`q A. A. Radwan, 'Higher Education And Human Development', Proceeding, Volume Three Topic (Iii), Non-Governmental Higher Education And The Futuristic Horizons, Pp, 156-173, Non-Governmental Higher Education Conference, Sana`a 30<sup>th</sup> May – 1<sup>st</sup> June 2000, Queen Arwa University, Republic of Yemen.

3. Fae`q A. A. Radwan, 'Irreducible Parts of Elastic Compliance Tensor and Anisotropy', The International Union of Materials Research Societies – 6<sup>th</sup> International Conference In Asia, Iumrs-Ica 2000 Multiscale Materials Modeling Symposium, 23-26 July 2000, City University of Hong Kong. Hong Kong, Pak. J. Appl. Sci. Vol. 1, (3): 270-274, 2001.

4. Euroconference: Applications of The Macdonald Polynomials, 16 April – 21 April 2001, A Newton Institute Workshop, Issac Newton Institute For Mathematical Sciences, University of Cambridge, Cambridge, Uk.

5. Fae`q Radwan, 'The Relationship Between Learning And Experience', Tomorrow's Teachers: Success Through Standards, Zayed University, College of Education, International Conference, Dubai, 31, March – 1 April 2002, UAE.

6. Radwan, Faeq Abdel-Rahim, 'Some Properties of Copper -Alumium Cu-Al At Differnent% Al', The Second Saudi Science Conference Mar, 15-17, 2004. King Abdulaziz University Jeddah Kingdom of Saudi Arabia, Proc.2<sup>nd</sup> Saudi Sci. Conf. Fac. Sci., KAU. 15-17 march 2004. Part II, pp. 73-80 (2005 A.D./1425 A. H.).

7. Fae`q A. Radwan, 'The Use of Irreducible Parts of Elastic Constant Tensor To Study The Anisotropy of Lead – Thallium, Pb-Tl At Different % of Tl', The First Arab Conference In Mathematics, 6 – 10 October 2004, Organized By: Mathematics Department, Faculty of Basic Sciences, Applied Sciences Private University, Amman, Jordan, J. Appl. Sci., 2006: Vol. 8, No. 2, 1-6.

8. Fae`q A. A. Radwan, 'Some Properties of Copper - Gold and Silver - Gold Alloys at Different % of Gold', Journal: Lecture Notes in Engineering and Computer Science Year: 2011 Vol: 2189 Issue: 1, Proceedings of the International Multi-Conference of Engineers and Computer Scientists 2011 Vol II, pp1221 -1224, IMECS 2011. March 16 – 18. 2011, IAENG Conferences, Hong Kong.

9. Fae`q A. A. Radwan, 'Comparison of Anisotropy of Human Mandible, Human Femora and Human Tibia with Canine Mandible and Canine Femora and With Bovine Femurs', Proceedings of the International Multi-Conference of Engineers and Computer Scientists 2012, Vol I, pp132 -135, IMECS 2012, March 14 – 16, 2012, IAENG CONFERENCES, Hong Kong.

## **11. Teaching activities, (courses)**

1. Calculus I,
2. Calculus II,
3. Differential Equations,
4. Advanced Calculus,
5. Complex Variables and Applications,
6. Linear Algebra,
7. Statics,
8. Dynamics,
9. Strength of Material I,
10. Strength of Materials II
11. Numerical Analysis.
12. Linear Algebra and Differential Equations.
13. Mechanical Behavior of Materials.
14. Random Variables and Probability,
15. Numerical Methods for Engineers (Graduate Course),
16. Statistical Methods (Graduate Course),
17. Random Variables and Stochastic Process (Graduate Course),
18. Modern Physics,
19. Vibration and Wave Motion,
20. Electromagnetic.

E-Mail: [feaq.radwan@neu.edu.tr](mailto:feaq.radwan@neu.edu.tr)

Assoc. Prof. Dr. Fae'q A. A. Radwan  
Faculty of Engineering  
Near East University  
KKTC-Lefkosa  
Mersin – 10  
TURKEY