

CURRICULUM VITAE



-Legal Name: - Asst .Lec. Mayyadah Shanan Abed Al-Fatlawi.

-Birth Date: - 05/March/1982

-Permanent Address: - Department of Materials Engineering –University
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-Nationality: - Iraqi

-Social Status: - Married

- Languages: - Mother Language (Arabic)

Second Language: (English)

-Qualification:-

- 2000-2004: B. Sc. Materials Engineering Department/ University of Technology UoT.
- 2006-2008: M. Sc. Materials Engineering Department/ Rubber Nano Composite/ UoT.
- 2009 to present: Ph. D. student/ Nanotechnology/ in Materials Engineering Department/ UoT.

- Teaching Experience:-

Nov.2005-	Researcher at Environmental Researches Center,
Dec.2008	University of Technology – Baghdad – Iraq.

Dec. 2008-Nov. 2011 Asst. Lec. at Nanotechnology and Advanced Materials Researches Center, University of Technology, Baghdad Iraq.

Nov. 2011 to present Asst. Lec. at Department of Materials Engineering University of Technology, Baghdad, Iraq.

-Conferences and Seminars:-

- Seminar about Research Scholarship to University of Missouri MU/United State of America, under Topic (Preparation and Characterization of Carbon Nanotubes for Wind Turbine Coating), November, 2013.
- Nanotechnology, Advanced Materials and Their Applications, First scientific conference, University of Technology, SCNAMA, 13-15 Oct. 2009.
- Nanotechnology Symposium, Nanotechnology and Advanced Materials Unit, University of technology UoT, Baghdad, Iraq, December, 2008.

Honor and Awards

1. **2004:** Shield Medal of the University of Technology for the 1st B. Sc. Graduated Student up on 33 students in Department of Materials Engineering.
2. **2006:** 1st Student up on 4 students in M. Sc. Degree course in Materials Engineering Department.
3. **2008:** Presidency of University Honoring for the students which completed their researches in the limited time.
4. **2009-2011:** Three Acknowledgements from presidency of University of Technology.
5. **2011:** Acknowledgment from a minister of higher education at Global Day of Science.
6. **2011:** Medal from ministry of higher education for researcher which published their research in international journals.
7. **2012:** Presidency of University Honoring for researcher which published their research in international journals.

-Publications:-

1. Jawad K. Oleiwi, Mohammed S. Hamza and **Mayyadah Sh. Abed**, (Improving the Properties of the Tire Tread by Adding SiO₂ and Al₂O₃ to SBR Rubber), International Journal of Applied Engineering Research, India, ISSN 0973-4562 Volume 5 Number 9 (2010) pp. 1637–1652.
2. Jawad K.Oleiwi ,Mohammed S. Hamza & **Mayyadah Sh. Abed**, (A study of the Hardness and Wear Rate of Elastomer Composites Reinforced by Al₂O₃ and SiO₂ Particles), Engineering and Technical Journal, University of Technology, Baghdad, Iraq, Vol.27,No.7,2009.

Experience and Training:-

1. Training and Experience, Rubber Manufacturing by Calender, Al-Khalid Company for Rubber, Camp Sarah, Baghdad, Iraq, 2006-2007.
2. Training and Experience, Fourier Transform Infrared Spectrometer **FTIR** model 8400 Shimadzu, at Nanotechnology and Advance Materials researches center, University of Technology, 2009.
3. Training, Atomic Force Microscope **AFM** at Nanotechnology and Advance Materials researches center, University of Technology, 2009.
4. Training, Atomic Absorption Spectrometer **ABS**, at Nanotechnology and Advance Materials researches center, University of Technology.
5. Training and Experience, High Magnification Optical Microscopy, Olympus Model, Nanotechnology and Advance Materials researches center, University of Technology.
6. Training, X- ray Diffraction **XRD**, Nanotechnology and Advance Materials researches center, University of Technology, 2010.
7. Training and Experience, Pulse Laser Deposition **PLD** system, Nanotechnology and Advance Materials researches center, University of Technology, 2010-2011.
8. Training and Experience, Sputtering Deposition, Atomic Layer by Layer Deposition, University of Missouri-Columbia/USA 2012.
9. Training and Experience, High Resolution Scanning Electron Microscopy **HRSEM**, Transmission Electron Microscopy **TEM**, University of Missouri-Columbia/USA 2012-2013.
10. Training and Experience, Water assisted Chemical Vapor Deposition **CVD**, University of Missouri-Columbia/USA 2012-2013.

11. Experience, Nanomaterials Preparation like, Thin film, Nano Powder, Nanotubes and their Characterizations.
12. Experience, Nanomaterials Dispersion and Functionalization.
13. Experience, Nanomaterials/ polymer Composite Preparation.