

"Curriculum vitae"

Name: Ahmed Rajih Hassan Wetaify

DOB: 27 November 1981

Marital status: Married

Nationality: Iraqi

Scientific Title: Assas.Prof. (16-1-2018)

Affiliation: Al-Muthanna University, Engineering College, Chemical Engineering Department

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Education:

- **Ph.D. degree** (2017) Materials Engineering (Nanocomposite Biomaterials), University of Technology, Baghdad, Iraq.
- **M.Sc. degree** (2008) Materials Engineering (Corrosion), University of Babylon, Iraq.
- **B.Sc. degree** (2004) Materials Engineering, University of Babylon, Babylon, Iraq.

Membership of national Organization:

- Iraq Association of Engineers, License Degree, Association.

Membership of international Scientific Journals:

- I have good experience in reviewing and editing of scientific papers for many international scientific journals.

Professional Positions & Experiences:

- **2018 till Now:** Assas.Prof. of Chemical Engineering Department /Al-Muthanna University.

2013-2014: Assis. Dean for Administrative Affairs in Engineering College, Al Muthanna University.

- **2008-2021:** Lecturer in Chemical Engineering Department, Engineering College, Al Muthanna University.

Skills:

- **PC skills:** Grapher, 3D Max, Windows, Microsoft Office, Photoshop.

Awards:

- Non

Publications:

- 1- The Machinability Of Copper-Nickel Alloys, Journal of Babylon University, 2011.
- 2- Effect of Heat Treatment on Mechanical Properties for Grey Cast Iron, The Iraqi Journal for Mechanical and Materials Engineering, 2011.
- 3- Sodium nitrite as inhibitors for protection of rebar against corrosion, Al-Muthanna Journal for Engineering Sciences. 2013.
- 4- Effect of beryllium and lithium addition on physical and mechanical properties of machinable glass ceramic materials, Int. J. Curr. Eng. Technol, 2013.
- 5- Empirical relationships between index properties and compression indices of clayey soils in Al-Nasiriya city, Journal of Babylon University, 2013.

- 6- Fabrication and Characterization of NiMo Nanowires by Electrodeposition, Asian Journal of Chemistry, 2016.
- 7- Deposition of NiCrMo Nanowires Using Anodic Aluminum Oxide Template, International Society for Engineering Research and Development (ISERD) Frankfurt - Germany, 2017.
- 8- Experimental and Numerical Study of Thermal Properties for Amalgam Reinforced by NiCrMo Nanowires, Muthanna Journal of Engineering and Technology (MJET), 2018
- 9- Electrodeposition of NiCr Nanowires Using Anodic Aluminum Oxide, Journal of University of Babylon for Engineering and science, 2018.
- 10- Fabrication and Characterization of Chromium Nanotube Using (AAO) Template, Journal of University of Babylon for Engineering and Science , 2018.
- 11- Effect of machinable glass ceramic (MACOR) nanoparticles addition on the mechanical properties of Al-Si alloys, AIP Conference Proceedings, 2019.
- 12- Enhancement of bioactive glass ceramic using magnesium nano rod addition: (B. A. G. C / Mg NRs nanocomposite materials for bone repairing), 2nd International Conference on Materials Engineering & Science (IConMEAS), 2019.
- 13- Effect of Machinable Glass Ceramic (MACOR) Nanoparticles Addition on the Mechanical Properties of Al-Si alloys, (IConMEAS), 2019.
- 14- Enhancement of bioactive glass ceramic using magnesium nano rod addition: (BAG C/Mg NRs nanocomposite materials for bone repairing), 2020.
- 15- Enhancement of Ti by carbon Nanotubes addition for bone repair, IOP Conference Series: Materials Science and Engineering, 2021.
- 16- Protection of engine cylinder against thermal and mechanical failure by nano-oxide coating, Journal of Mechanical Engineering Research and Developments, 2021.
- 17- Preparation and Enhancement of (Hydroxyapatite/Bioactive glass) Composite by Mg Nanowires for Dental and bone implants, Journal of Nanostructure, 2021

Academic Teaching:

Math: 1st -stage, undergraduate student of Agriculture college/Al-Muthanna University (2008 - 2009).

Mechanics Lab: 1st -stage, undergraduate student of Agriculture college/Al-Muthanna University (2008 - 2009).

- **Physicals Chemistry:** 2nd -stage, undergraduate students of Chemical Department/Science college/Al-Muthanna University (2008 - 2011).

- **Math:** 2nd -stage, undergraduate students of Chemical Department/Science college/Al-Muthanna University (2008 - 2011).

- **Computer Science:** 2nd -stage, undergraduate students of Chemical Department/Science college/Al-Muthanna University (2009 - 2011).

- **Polymers:** 4th -stage, undergraduate student of Chemical Department/Science college/Al-Muthanna University (2011).

- **Physicals Chemistry:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (2012 - 2013).

- **Heat transfer** : 3rd -stage, undergraduate students of Chemical Engineering Department/ Engineering college/Al-Muthanna University (**2012 - 2013**).
- **Advanced Math.(Analysis)**: 3rd-stage, undergraduate students of Chemical Engineering Department/Al-Muthanna University (**2013-2014**).
- **Physicals Chemistry Lab.:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (**2014 - 2017**).
- **Properties of Materials.:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (**2019 - 2021**).
- **Statistics.:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (**2019 - 2021**).
- **Engineering Economic .:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (**2019 - 2021**).
- **Strength of Materials .:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (**2019 - 2021**).
- **Physicals Chemistry Lab.:** 2nd -stage, undergraduate students of Chemical Engineering Department/Engineering college/Al-Muthanna University (**2019 - 2021**).

Training Courses & Workshops:

-Non

Scientific Conferences:

1. The First Scientific Conference of Engineering College/Al-Muthanna University, 20-21 April 2011.
2. Conferencem International Society for Engineering Research and Development (ISERD) Frankfurt -Germany, 2017.
3. AIP Conference Proceedings, Lebanon 2019.
4. 2nd International Conference on Materials Engineering & Science (IConMEAS), University of Technology, 2019.
5. The First Scientific Conference of Engineering College/Al-Muthanna University, ICEST 2020, Iraq, 23-24 Dec. 2020.

Seminars & Workshop:

I have been managed several seminars and workshops in my specialize field that were held in Al-Muthanna University:

- 1- **(Effect of machinable glass ceramic (MACOR) nanoparticles addition on the mechanical properties of Al-Si alloys)** held in Engineering College of Al-Muthanna

University in 2015.

2- (Enhancement of Ti by carbon Nanotubes addition for bone repair) held in Engineering College of Al-Muthanna University in 2016.

3- (Enhancement of bioactive glass ceramic using magnesium nano rod addition:(BAG C/Mg NRs nanocomposite materials for bone repairing)) held in Engineering College of Al-Muthanna University in 2017.