



Mohamad Yehea Alnefawy

Email: Yahya.nefawy@gmail.com

Mobile: +971509974705

LinkedIn: [eng-mohamad-yehea-alfaww](https://www.linkedin.com/in/eng-mohamad-yehea-alfaww)

Scholar.google: <https://scholar.google.com/Mohamad Yehea Alnefawy>

Profile

- **Mechanical Engineer** Specializing in Design and Production, and Metallurgical Materials Science and Heat Treatments.
- +10 Years teaching experience.
- 4 Years practical experience.

Personal Information

- Marital Status: Married
- Nationality: Arabic Syrian
- Date of Birth: 2/1/1986

Areas of Expertise

- Drawing and Design with AutoCAD, Solidworks and Mechanical Desktop.
- Monitoring and running the CNC machines.
- 3D Printing.
- Microsoft Office tools.
- Internet and e-mail.
- Publishing scientific researches, I have many research papers published in peer-reviewed journals related to aluminum alloys, It can be found at the link : <https://scholar.google.com/Mohamad Yehea Alnefawy>
- Teaching engineering college students their courses.
- Using material properties testing devices such as tensile, hardness and impact testing equipment and spectrometer analysis.
- Heat treatments processes for metals.

EXPERIENCE

- ❖ **Member of the Educational Staff | Al Baath University, Homs, Syria | (8/2010 – Present)**
- Teaching engineering college students their courses as Descriptive Geometry, Engineering Drawing, Computer Aided Drawing, Machining Programmed, Materials Science and Properties, Design Elements Machines, Machining and Forming Machines, Economics and Industrial Organization and Design of Metal Molds.
- Researcher & laboratory working on material properties testing devices such as tensile, hardness and impact testing equipment and spectrometer analysis. In addition, Completing heat treatment processes for metals.

❖ **Volunteer** | **Aoun Society, Homs, Syria** | **(2017 – 2018)**

- Training students aged 18-23 to use computer programs for drawing and mechanical design such as SolidWorks and AutoCAD

❖ **Draftsman** | **Jano Co. For Heat exchangers, Homs, Syria** | **(2010 – 2012)**

- Use computer design programs (AutoCAD, Mechanical desktop and Solidworks) to draw the cut and forming diagrams for sheets metal to production the heat exchangers.
- Messaging clients and companies by Internet and e-mail.

❖ **Machine operator** | **Wali & Mando Co. For Metal Industries, Homs, Syria** | **(2009 – 2010)**

- Monitoring and running the programmed machine - Milling machine with three axes & EDM Machine - For injection molds manufacturing.

Education

- **Bachelor's** in Design and Production Engineering/AlBaath University/2004-2009 (78.26%)
- **Master** in Design and Production Engineering/AlBaath University/2011-2016 (80.6%)

Thesis Title: Enhancement the Surface Hardness of Aluminum Alloys to Use it as Gears in Cars Gearboxes.

- **Doctoral** in Design and Production Engineering/AlBaath University/2017-2022 (93.8%)

Thesis Title: The Effect of Alloying Additives and Heat Treatments on the Properties of High Strength Aluminum Alloys.

Training Courses

- [Course In Understanding Research Methods from University of London by coursera](#) (4/2019)
- International Computer Driving License (ICDL) (2/2011)
- Training Course Certificate in Egyptian Iron & Steel Co. (8/2008)

Languages

- Arabic: Mother Tongue.
- English: Fluent.

Key Skills achievement and competencies

- Ability to communicate effectively, both orally and in writing
- Ability to work effectively with diverse team members
- Ability to understand and follow specific instructions and procedures.
- Ability to update and develop professionally through further education and training.
- Adaptability and work under pressure
- Ability to conduct independent research and publish in reputable journals and conferences
- Ability to focus on multiple projects at once and to troubleshoot problems quickly.
- Technical Capacity, Curious and Creative, Analytical Skills, Focused and Thorough and Collaboration Skills