

## C.V

**ALI ABDULQADER MOHAMMED ALI AL-ZAIDI**

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**ORCID - (0000-0002-4022-2287)**

Good experience in Engineering teaching and research at many universities supported by academic qualifications. In addition to good engineering experience across design, manufacture and maintenance of agricultural machines and related equipment gained in industry. Seeking to progress and further advance my studies and research in the field of mechanical engineering and relative subjects.

### EDUCATION:

August 2022	English course (BALEAP) Uni. Of Strathclyde - UK
April 2017	Academic Leadership at Universities course at Al-Qasim -Green University
July 2016	Teaching Methods course at Uni. of Mustanseria
Nov 2012 – Feb 2013	Programming course / Java (P/T), Glasgow College Practical class-based course covering a wide range of programming principles using Java.
Sept 2011 – Sept2012	MSc in Mechanical Engineering (University of Glasgow-UK) <ul style="list-style-type: none"><li>➤ Innovative Engineering Design.</li><li>➤ Integrated Engineering Design.</li><li>➤ Automotive technology.</li><li>➤ Advanced Manufacture.</li><li>➤ Desalination Technology.</li><li>➤ Mechanics of solid and structure.</li><li>➤ MSc project (Innovation of Drip Irrigation Emitter</li></ul>
July 1993	BSc (2.1) Agricultural Mechanization –Baghdad University, Iraq
July 1988	Al-Markazia High School-Baghdad, Iraq (Overall mark 84%)

## **EMPLOYMENT:**

Director of (Assurance quality and academic performance)  
Department at Al-Qasim Green University, from 4Jan.2017 to  
15May2022.

Assistant professor at Uni. Of Al-Qasim Green since Feb.2016  
Assistant Lecture at the University of Diyala 2013-2014  
&2014-2015

More than 15 years' experience in Manufacture, Maintenance  
& repair for Agricultural Machines and Equipment.

## **PUBLISHING**

- **December 2022, obtained a patent No.7757 Class A01G25/00,B05B15/00. Innovation Design of Drip Irrigation Emitter.**

**1- Types of Polymers using in 3D Printing and Their Applications; a Systematic Review, European Journal of Theoretical and Applied Sciences, 1(6), 978-985.**

**2-Types of 3D Printers Applied in Industrial pharmacy and Drug delivery (Review Article).** Journal of Multidisciplinary Research, Biology, Chemistry and Medicine, (2022), vol. 2(3).PP:1-14.

**3- Ventilation System Design for Poultry Buildings,** Net Journal of Agricultural science (2022), vol. 10 (1).PP:37-42.

**4- Design of Power Take-off (PTO) Shafts and its Failure during operation.** International Journal of Agricultural Statistical and sciences. (2022). Vol.18.supplement , pp.1533-1536.(2022).

**5- Optimum Design Calculation of Eggs Incubator (Romanian journal of Applied Science and Technology (2022) Vol. 4(3).**

**6- Design of a Hydraulic Pump of Tractor for Manufacturing with 3D printer Technology.** Diyala Journal of Engineering Science, Vol. (15).No.2 . (2022). pp;31-39.

**7- The Effect of Recirculating Water Temperature on the Formation of White Rust in Newly Constructed Cooling Towers.** The International Conference Technological Trends in Engineering and Medical Sciences (ICTTEMS) 2019,P:.233-242.

**8- Developing a New Method for Solving the Kinematics of Complex Gear Systems.** The International Conference Technological Trends in Engineering and Medical Sciences (ICTTEMS)2019, PP:194-199.

**9- An Innovative Design of Air Filter in Diesel Engines of the Tractors**, International Journal of Mechanical and Production Engineering Research and Development, Vol. (9)1, PP.541-545.

**10- Displaying Of Tractor Performance**, International Journal of Mechanical Engineering & Technology (IJMET), 2019. Vol. 10 (2), pp: 1655-1661.

**11- Design and Test a Ploughing Appearance Measurement Device**, International Conference on Agri- Biotech and Environmental Engineering held during September 11-12, 2017 in: San Antonio, USA.

**12- Evaluation comparative of Anti-clogging drip Emitters design**, International Volume-4, Issue-9, Sep.-2016 Journal of Industrial Electronics and Electrical Engineering, 2016.Vol-4(9),PP:23-24.

**13- - Innovative Engineering Design for Reliability for the Mouldboard Plows**, Euphrates Journal of Agricultural Science- Third Agricultural Conference, P.P.70-74, (2016).

**14- Anti-clogging Drip Irrigation Emitter Design Innovation**, in European International Journal of Science and Technology, Vol. 2 No. 8 October 2013.

#### **RESEARCH PEER REVIEWER AT**

- 1- Materials science Forum Journal (Swissland)
- 2- Romanian Journal of Applied Sciences and Technology
- 3- International Research Journal of Public & Environmental health
- 4- American journal of Agricultural and Biological.
- 5- International Journal of Agricultural Policy and Research.
- 6-Net Journal of Agricultural Science.
- 7- Asian Journal of Advances in Agricultural Research.

#### **SUBJECTS THAT I TAUGHT AT UNIVERSITIES.**

- 1- **Engineering Mechanics (Static).**
- 2- **Mechanical Design.**
- 3- **Engineering Materials.**

**4- Engineering Drawing.**

**5- Agricultural Machines and Equipment**

**ACTIVATES :**

**I participated as a lecturer and I attend more than 100**

**Workshops, Seminars, webinars.**