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*Assistant Professor*

*Department of Electro-Mechanical  
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### **Biographical Data**

Date of Birth: 3rd of Feb. 1962

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### **Education**

- **Ph.D.** In Mechanical Engineering (Power / Gas Turbine power plant), Al Rasheed College for Engineering and science, Baghdad, 2001.
- **M.Sc.** in Aircraft Mechanical Engineering (Jet propulsion) Al Rasheed College for Engineering and Science-Baghdad, 1992.
- **B.Sc.** in Aeronautical Engineering/, Al Rasheed College for Engineering and science-Baghdad, 1985.

### **Academic Appointments**

2008–present, Assistant Professor, Department of Electromechanical Engineering, UOT.

2007 – 2008 Teaching staff (Assistant professor) @ Tikrit university – college of engineering.

2006 – 2007 Teaching staff (lecturer) @ Tikrit university – college of engineering.

2004-2006, Lecturer, Department of Technological Education Engineering, UOT.

2001-2003, Lecturer, Department of Mechanical Engineering, Al Rasheed College for Engineering and science- Baghdad.

1997-2001, Ph.D. student, Department of Mechanical Engineering, Al Rasheed College for Engineering and science- Baghdad.

1994-1997, Assistant Lecturer, Department of Mechanical Engineering, Al Rasheed College for Engineering and science- Baghdad.

1992-1994, M.Sc. Student, Department of Mechanical Engineering, Al Rasheed College for Engineering and science- Baghdad.

1991-1992, Instructor in Aerodynamics, Jet Propulsion, and Gas Dynamics Laboratories

1989-1991, Research Leave (postgraduate) in VA at Brno, Czech Republic.

1985-1989, Demonstrator in Aerodynamics, Jet Propulsion, thermodynamics and Gas Dynamics Laboratories.

### **Courses Taught**

#### **Postgraduate:**

- Combustion.
- Numerical Analysis.
- Energy Conversion and Utilization.

#### **Undergraduate:**

- Renewable Energy.
- Engineering Thermodynamics.
- Numerical Methods.
- Fluid Mechanics.
- Gas Dynamics.
- Theory of aero engines.
- Aircraft Engine design.
- Engineering Mechanics (Statics & Dynamics).
- Combustion.
- Jet propulsion.

- Thermo – Fluid.
- Fluid Machinery

### List of Published Papers

- ❖ **Abdulmunem R. Abdulmunem, Abdullateef A. Jadallah, Hisham Assi Hoshi, Mohammed Hassan Jabal**; “Effect of Colored Filters on PV Panels Temperature and Performance under Baghdad Meteorological Condition”; accepted in Tikrit Journal for Engineering Science (2018).
- ❖ **Israa S. Ahmed, Abdullateef A. Jadallah, Hussain S. Abed**; “An Experimental study on Closed Loop Pulsating Heat Pipe Performance Using Ethanol with Different Tilting Angles”; accepted in ICCESSEN -18.
- ❖ **Abdullateef A. Jadallah\*, Sahar R. Farag, Jinan D. Hamdi**; “Investigation on The Performance of a Ducted Vertical Axis Wind Turbine”; accepted in ICCESSEN -18.
- ❖ **Abdullateef A. Jadallah\*, Sahar R. Farag, Jinan D. Hamdi**; “Performance Enhancement of a Darrieus Vertical Axis Wind Turbine using Divergent Ducting System; Tikrit Journal of Engineering Sciences (2018) 25 (4) 12 – 20.
- ❖
- ❖ **Abdullateef A. J\*., Abduljabbar A. H., Tabark H. J**; “Design, Fabrication, Testing and Simulation of a modern Glass to Glass Photovoltaic Module in Iraq”; Accepted in Journal of Engineering Science and Technology (2018).
- ❖ **Abdullateef A. Jadallah\*, Sahar R. Farag, Jinan D. Hamdi**; “Performance Enhancement of A Darrius 3-Bladed Wind Turbine Using Convergent-Divergent Ducting System”; Journal of Engineering Science and Technology Vol. 13, No. 7 (2018) 1891 – 1904.
- ❖ **Abdullateef A. Jadallah, Sahar R. Farag and Jinan D. Hamdi**,” Performance Augmenting of a Vertical Axis Wind Turbine Using Adaptable Convergent Ducting System”; Accepted at Alkawarzmi Journal for engineering science; Dec. 2017
- ❖ **Abdullateef A. Jadallah, Zuhaleh ER and Zaid A. Abdulqader**,” Opportunity of Using a Hybrid Wind/PV Power Generation System for Water Pumping”, International Conference on Computational and Experimental Science And Engineering; (ICCESSEN); 16 -19 October 2017, Antalya-turkey.
- ❖ **Abdullateef A. Jadallah**; ”A Design Approach For The Horizontal Axis Wind Turbine Rotor”; International Conference on Energy And Thermal Engineering; Istanbul 2017 25-28 April 2017, Yildiz Technical University, Istanbul, Turkey.
- ❖ **Dr. Abdullateef A. Jadallah, Dr. Dhari Y. & Hayder A.**; "Experimental and Numerical Investigation On The Performance Of Small Vertical Axis Wind Turbine"; under peer review at ITJER; college of Engineering; Qabuss university; Oman; 2016

- ❖ **Dr. Abdullateef A. Jadallah, Dr. Dhari Y. & Hayder A.;**" Performance Evaluation of the Vertical Axis Wind Turbine with Various Rotor Geometries", Accepted in Al-Qadissia journal of Engineering- 2016
- ❖ **Dr. Abdullateef A. Jadallah, Dr. Dhari Y. & Hayder A.;** "Design, Construction and Performance of Small Vertical Axis Wind Turbine"; 1st National Conference Sustainable Energy; Iraqi Organization of Engineers; Dec. 12, 2015 – Iraq-Baghdad.
- ❖ **Dr. Abdullateef A. Jadallah, Dr. Dhari Y. & Zaid Amer;**" Simulink Modeling and Simulation of Small Scale Wind Turbine Based on PMSG. 1st National Conference Sustainable Energy; Iraqi Organization of Engineers; Dec. 12,2015 – Iraq-Baghdad
- ❖ **Dr. Abdullateef A. Jadallah, Dr. Dhari Y. & Zaid Amer;**" Hybridization of Solar/Wind Energy System For Power Generation In Rural Areas; International Conference On Computational And Experimental Science And Engineering; (ICCESEN); 14 -19 October 2015, Antalya-turkey.
- ❖ **A.A. Jadallah \*, D.Y. Mahmood and Z.A. Abdulqader;** "Modelling and Simulation of Photovoltaic Module for Different Operating Regimes"; international conference on computational and experimental science and engineering; Acta Physica Polonica A. Vol. 128; No. B-2; DOI:10.12693/APhysPolA.128.B-461; 2015
- ❖ **Dr. Abdullateef A. Jadallah, Dr Dhari Y. & Zaid Amer,** "Estimation and Simulation of Solar Radiation in Certain Iraqi Governorates"; International Journal of Science and Engineering Research (IJSER); Volume 3; Issue 8;2014.
- ❖ **Abdullateef A. Jadallah,** "Parametric Study on a Horizontal Axis Wind Turbine Proposed for Water Pumping"; International Journal of Engineering Research; Volume No.3, Issue No.10, pp: 624-627, 2014.
- ❖ **Abdullateef A. Jadallah, Dhari Y. and Zaid A.;**" Optimal Performance of Horizontal Axis Wind Turbine for Low Wind Speed Regime", accepted at International Journal of Multidisciplinary and Current Research; IJMCR (ISSN: 2321-3124), 2014
- ❖ **Abdullateef A. J. and Adil A. Alkumait,**"A Comparative Study on the Performance Augmentation Opportunities of a Gas Turbine Power Plant", accepted at Tikrit Journal for engineering and science, 2013.
- ❖ **Jalal M. Jalil, Abdullateef A. J., Ahmed F.,"** Numerical Investigation on the Performance of an External Compression Supersonic Air Intake Using Bypass", Jor. of Engineering and Technology, Volume-6, No. , 2013
- ❖ **Abdullateef A. J. and K. I. Hamada;**" Numerical Validation of Enhancement of Subsonic Diffuser Performance; The 6th International Conf. of Engineering, Iraq- Baghdad-University of Baghdad, Vol.3, pp- 134-144,5-7/4/2009.
- ❖ **Abdullateef A. J."** Effect of Decisive Design Constraints on the Aerodynamics of Axial Performance"; International Conference on Substantial Energy (ICE07)"; Egypt-Cairo; 29/10-1/11-2007.

- ❖ **Abdullateef A. J** "Prediction of Steady state Performance of a Various Types of Gas Turbine Engine;4rth Conference (Sro4) held by The Arab Science & Technology Foundation, Syria; Damascus ;11-14/12/2006.
- ❖ **Abdullateef A. J. and Farag M. M."** Influence of Decisive Parameters on the Performance of Centrifugal Compressor ";Al-Raffiden Journal for Sciences, 2006.
- ❖ **F. K. Hummadi & Abdullateef A. J.** "Experimental Verification of the Effect the Boundary Layer Suction on Diffuser Performance of Different Angles"; Jor. of Eng. Tikrit , Vol. 14 ; 2006.
- ❖ **Abdullateef A. J."** Prediction of the Gas Turbine Engine Performance for the Best Values of Some Design Parameters “, Vol. 15, Jor. of Engineering and Technology , 2000 .
- ❖ **Abdullateef A. J., Ismail, I.H. &Arkan Al Taie,”** Matching the Rotating Assembly of Single Spool Turbojet” MEC-3rd Conference, April 1999.
- ❖ **Arkan Altaie, &Talib Z. Farge, Abdullateef A. J.,** "A Turbo-matching Technique and Prediction of Off-design Performance of a Twin-Spool Turbojet Engine “, Jor. of Engineering and Technology ,Volume 15 , 1995.

#### Research Area of Interests

- Renewable energies (*Solar & wind*).
- Modeling and simulation of hybrid renewable energy systems.
- Modeling and Simulation of Gas Turbine power plant.
- Performance and Aero-thermodynamical Design Studies of Gas Turbine Power Plant.
- Flow Studies in Turbo-machinery.

#### Other Achievements

- Supervision of many M.Sc.'s Students.
- Participated in many international conferences and many Local conferences.
- Involved in preparing syllabi of many subjects.
- Reviewer in many scientific journals.
- Investigation and evaluation of many PhD and M.Sc. theses.