Curriculum Vitae

Personal Information:

Name: Dr. Mohammed A. Aurybi **Date of Birth**: **12/09/1976**

Address: Baghdad / Al- Saydia **Place of Birth: Al-Anbar**

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mohammedaurybi@gmail.com

Education, Qualification and Certification

Education

Univ./Inst.	Branch	Graduation Degree	Graduation Date
University Technology Petronas	Mechanical Engineering	PhD.(Doctoral in ME / Energy)	2018
University of Baghdad	Mechanical Engineering	MSc.(Master in ME / Energy)	2006
University of Baghdad	Mechanical Engineering	BSc.(Bachelor in ME)	1998

Job Title

Head of Engineers in SIER Company, Elevators Dep. Iraqi Ministry of Industrials & Minerals

Qualification and Certification

Qualification:

Ph.D. in Mechanical Engineering, University Technology Petronas, Perak, Malaysia, 2018
Thesis title: "Performance Evaluation of Solar Chimney Power Plant Supplemented with External Heat Source"

M.Sc. in Mechanical Engineering, Univ. of Baghdad, Baghdad, Iraq, 2006
Thesis title: " Simulation of Two Dimensional Flow and Conjugate Heat Transfer Problem in Cooled Gas Turbine Nozzle Guide Vane"

B.Sc. in Mechanical Engineering, Univ. of Baghdad, Baghdad, Iraq, 1998

Certification:

1. Certificate in Research Methodology.
2. Certificate in Teaching Methods.
3. Certificate in Teaching Warrant.
4. Certificate in Integrity of Arabic language.
5. Certificate of workshop " How to formulate the learning outcomes at program and courses level".
6. Certificate of workshop" How to use the LATEX template to write the scientific research.

7. Certificate of workshop " organize your writing – potentiality of endnote.
8. Certificate of workshop " Creation and organization of virtual classes using G-Suite for education".
9. Certificate of workshop " The successful director".
10. Certificate of workshop " How to write the thesis and dissertation".
11. Many other workshops and conferences certificates.

Language Skills:

Arabic and English (Speaking and Writing)

Computer Skills:

1. Microsoft windows.
2. Microsoft Word.
3. Microsoft Excel.
4. Microsoft Power point.
5. CFD (ANSYS. Fluent).
6. Endnote and Mendeley software for References and Turnitin for plagiarism of researches.
7. CATIA CAD software.
7. GAMBIT CAD software.

Training Courses:

Subject	Training Location
1. Principles of elevators.	Iraq
2. Training of elevators installation	Lebanon
3. English courses in British council	Malaysia
4. ANSYS. CODE Training.	Malaysia
5. How to write the scientific articles course	Malaysia
6. Research Methodology course	Malaysia

Work Experience:

1. Elevators installation, maintenance and inspection.
2. Projects management.
3. Solar PV systems.
4. Solar thermal systems.
5. Hydrogen Fuel Cells.
6. Research, Supervision, Teaching.

Scientific Research Interest:

1. Energy Technology, Renewable energies, PV systems, Thermo-fluids including: Two-phase flows, Enhanced heat transfer, CFD.
2. Scopus ID: Mohammed A. Aurybi 57189334140
3. h Factor [Scopus]: 3
4. h Factor [google scholar]: 3
5. Researcher ID: Q-7350-2017
6. ORCID ID: https://orcid.org/0000-0001-9956-3134
7. URL(google scholar): https://scholar.google.com/citations?user=CebT0NoAAAAJ&hl=en

Statement of Distinguished Achievements:

1. Achieved many projects in elevators installations, maintenance, and disassembly.
2. Working in Some Projects (Sewage, Drainage, Pipe lines of boilers).
3. Member in thermal energy research group (STARC Center) at University Technology Petronas, Malaysia.
4. Publisher of 15 papers in global journals (Scopus and Impact factor).
5. Scientific Reviewer for some global journals (Solar Energy, Energy Sources, Energy Conversion and Management).
6. Invited by many international conferences and workshops.
7. Member in Iraqi Engineers Union.
8. Attend in many elevators exhibitions.
9. Member in ARID Platform.
10. Member in Publons Platform.
11. Member in ORCID Platform.
12. Member in Scopus Platform.
13. Member in Mendeley Platform.
14. Member in Kudos Platform.
15. Member in Research gate platform.

Teaching Interest & Tutored Courses:

1. Tutor of Thermodynamic (I) at University Technology Petronas.
2. Tutor of Electrical Power & Machines at University Technology Petronas.
3. Tutor of Energy Conversion Lab at University Technology Petronas.
4. Tutor of RAC Lab at University Technology Petronas.
5. Tutor of Control System at University Technology Petronas.
6. Tutor of Engineering Drawing at Al- Mustansiriyah University.

List of Publication:

1. S. T. Mohammad, H. H. Al-Kayiem, M. A Aurybi, A. K. Khlief, “Measurement of global and direct Normal Solar Energy Radiation in Seri Iskandar and Comparison with other Cities of Malaysia,” Case Studies in Thermal Engineering (2020) 18, 100591.
2. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, and A. A. Ismaeel, “ Influence of Canopy Condensate Film on the Performance of Solar Chimney Power Plant”, Renewable Energy (2019) 136 1012-1021.
3. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, and A. A. Ismaeel, “Performance Evaluation of Hybrid Solar Chimney for Uninterrupted Power Generation”, Energy (2019) 166 490-505.
4. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, and A. A. Ismaeel, "Mathematical Evaluation of Solar Chimney Power Plant Collector, Integrated with External Heat Source for Non-Interrupted Power Generation," Sustainable Energy Technologies and Assessments, vol. 30, pp 59-67, 2018.
5. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, and A. A. Ismaeel, "CFD Analysis of Hybrid Solar Chimney Power Plant," MATEC Web of Conferences (2018) 225, 04011.
6. A. A. Ismaeel, H. H. Al-Kayiem, A. T. Baheta, and M. A. Aurybi, “ Computational Analysis of the Inflow Air Slot Size Influence on Solar Vortex Generator Performance,” MATEC Web of Conferences (2018) 225, 04013.
7. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, And A. A. Ismaeel, "Numerical Assessment of Solar Updraft Power Plant Integrated With External Heat Sources," WIT Transactions on Ecology and the Environment, vol. 226, pp. 657-666, 2017.
8. A. A. Ismaeel, H. H. Al-Kayiem, A. T. Baheta, and M. A. Aurybi, "Numerical Analysis on the Influence of Inflow Guide Vanes in A Solar Vortex Power Generator," WIT Transactions on Ecology and the Environment, vol. 224, pp. 553-563, 2017.
9. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, and A. A. Ismaeel, "Numerical Analysis of Solar Updraft Power Plant Integrated With External Heat Source," In MATEC Web of Conferences, 2017, p. 01004.
10. A. A. Ismaeel, H. H. Al-Kayiem, A. T. Baheta, and M. A. Aurybi, "CFD Modeling of Artificial Vortex Air Generator for Green Electric Power," in MATEC Web of Conferences, 2017, p. 02009.
11. A. A. Ismaeel, H. H. Al-Kayiem, A. T. Baheta, and M. A. Aurybi, "Review and Comparative Analysis of Vortex Generation Systems for Sustainable Electric Power

Production," IET Renewable Power Generation, vol. 11, pp. 1613-1624, 2017.

12. M. A. Aurybi, H. H. Al-Kayiem, S. I. Gilani, and A. A. Ismaeel, "Mathematical Modeling to Evaluate the Performance Enhancement of Solar Updraft Power Plant by External Heat Source," ARPN Journal of Engineering and Applied Sciences, vol. 11, NO. 20, October 2016.
13. A. A. Ismaeel, H. H. Al-Kayiem, A. T. Baheta, and M. A. Aurybi, "Comparative Critique on the Performance Evaluation of A Solar–Air Heater for Natural Updraft Solar System," ARPN Journal of Engineering and Applied Sciences, vol. 11, NO. 20, October 2016.
14. A. A. Ismaeel, H. H. Al-Kayiem, A. T. Baheta, and M. A. Aurybi, "Comparative Critique of Thermal Energy Storage Technique in Solar Chimney Power Plants," International Energy Journal, vol. 16, 2016.
15. M. AKA. Hassan, M. A. Aurybi, " Simulation of Two Dimensional Flow and Conjugate Heat Transfer Problem in Cooled Gas Turbine Nozzle Guide Vane," Journal of Engineering 16 (Journal of Engineering / 2), 21.