



Asst. Prof. Dr. Amer Mejbel Ali

Mustansiriyah University -College of Engineering-Electrical Engineering Department
Mobile: 07901628735

Email: dramerma@uomustansiriyah.edu.iq

PERSONAL SUMMARY:

Electric Machines Lecturer (Theory part + Laboratory part) in Electrical Engineering Department for undergraduate and graduate studies. Good Experience in using Finite Element Method for analyzing Electric Machines(ANSYS+Maxwell2D Software), with the interest of using Renewable Energies in Producing Electricity(HOMER Software).

EDUCATION:

- PhD in Electrical Eng.- University of Technology- Baghdad- 2007.
- MSc in Electrical Eng.- University of Technology- Baghdad- -1999.
- BSc in Electrical Eng.- University of Technology- Baghdad- -1989.

ACADEMIC /TEACHING EXPERIENCE:

- PhD : Teaching Advanced Design of Electric Machines .
- MSc: Teaching Special Electric Machines & Supervising MSc projects belonging with Electric Machines.
- BSc: Teaching AC Electric Machines (Theory Part+ Laboratory Part) & Supervising BSc projects belonging with Electric Machines.

COURSES TAUGHT:

Undergraduate	Graduate
AC Electric Machines (BSc-Third Class) Electric Machines Laboratory (BSc-Third Class)	Special Electric Machines (MSc) Advanced Design of Electric Machines (PhD)

PUBLICATIONS:

1. Different Techniques for Calculating Apparent and Incremental Inductances using Finite Element Method, Iraq J. Electrical and Electronic Engineering ,Vol.11 , No.2, 2015.
2. Optimization investigation of a stand-alone hybrid energy system design in Kirkuk technical college, Proceedings of the 2015 International Conference on Education and Modern Educational Technologies (EMET 2015) - Zakynthos Island, Greece , July 16-20, 2015.
3. Design, Simulation and Implementation of A 60 kW Variable Voltage DC Power Supply for A Current-Fed Parallel Resonant Inverter Used in Induction Heating Applications, Journal of Engineering and Development Vol. 20, No.1, Journal of Engineering and Development Vol. 20, No.1, January -2016.
4. Design Optimization of Solar Power System with respect to Temperature and Sun Tracking, IEEE - Al-Sadeq International Conference on Multidisciplinary in IT and Communication Science and Applications (AIC-MITCSA) – Iraq, (9-10) May -2016.

5. Effect of Diesel Generator Characteristics on the Design Optimization of a Stand-alone Hybrid Micro-power System for Baghdad City, IEEE 3rd International Conference on Engineering Technologies and Social Sciences (ICETSS), 2017.
6. Impact of Inverter-Fed Power Supply on Copper and Iron Losses of a Three-Phase Induction Motor, IEEE- International Conference on Advanced Science and Engineering (ICOASE), Kurdistan Region, Iraq, 2018.
7. Design Optimization of A Hybrid Hydro-Wind Micopower System for Rural Communities, Journal of Engineering and Sustainable Development , Vol. 22, No.02 (Part-5), March,2018.
8. Estimation of Copper and Iron Losses in a Three-Phase Induction Motor using Finite Element Analysis, IEEE , 2nd International Conference for Engineering, Technology and Sciences of Al-Kitab (ICETS) ,4-6 Dec. 2018.
9. Estimation of Stator Winding Temperature of a Three-Phase Induction Motor, Iraqi Journal of omputers,Communication,Control&Systems Engineering(IJCCCE) Vol.19 ,No.2, April,2019.
10. Thermal analysis of a three-phase induction motor based on motor-CAD, flux2D, and matlab, Indonesian Journal of Electrical Engineering and Computer Science , Vol. 15, No. 1, July,2019.
11. Thermal Analysis of a Three-Phase Induction Motor with Frame Design Considerations, IOP Conf. Series: Materials Science and Engineering 518 (2019) 042010.
12. Effect of Different Ambient Factors on Temperature Distribution in Three-Phase Induction Motor, Journal of Engineering and Sustainable Development Vol. 24, No. 02, March 2020.
13. Voltage Build-Up Behavior of Self-Excited Induction Generator Under Different Loading Conditions, Third International Conference on Advanced Science and Engineering (ICOASE2020) University of Zakho, Duhok Polytechnic University, Kurdistan Region, Iraq (IEEE),2020.
14. Performance assessment of a multi-speed single-phase capacitor motor using a hybrid analytical-FEM methodology, IOP Conf. Series: Materials Science and Engineering, 2021.
15. Performance Assess of Self-Excited IG Driven by Wind Turbine Working With FC-TCR, Journal of Engineering and Sustainable Development, September, 2021.
16. Modeling, Simulation and Analysis of Electric Vehicle Driven by Induction Motor, IOP Conf. Series: Materials Science and Engineering, 2021.
17. Finite Element Analysis of Shaded Pole Motor Based on Maxwell2D, Journal of Engineering and Sustainable Development, June 2021.
18. Parameters Estimation Tests of Induction Machine Using Matlab/Simulink, Journal of Physics: Conference Series, IOP Publishing, 2021.
19. Performance Evaluation of Three-Phase Induction Motor Driving an Electric Vehicle Under Different Road Conditions, Journal of Engineering and Sustainable Development, November 2021.
20. Losses Calculation of Shaded-Pole Induction Motor based on Finite Element Method, Proceedings of 2nd Information Technology to Enhance E-Learning and other Application Conference, IT-ELA , 2021.
21. Effect of Changing Running Capacitor on Performance of a Single-Phase Induction Motor, Kerbala Journal for Engineering Science, June 2022.
22. Finite Element Analysis of a Single-Phase Induction Motor With Non-Uniform Stator Slots Based on Magnet Software and AutoCAD, Journal of Engineering and Sustainable Development, July 2022.
23. Losses estimation of a single - phase induction motor based on finite element analysis, AIP Conference Proceedings 2787, 050019 , July 2023.
24. Effect of Changing Magnet Material on Cogging Torque and Torque Ripple of Brushless DC Motor, Al-Iraqia Journal for Scientific Engineering Research, Volume 2, Issue 1, March 2023.
25. Thermal Analysis of Switched Reluctance Motor Based on RMXprt/Motor-CAD, Anbar Journal of Engineering Science (AJES), Vol. 14 , No. 1 (2023).

Signature Head of Department

Signature Vice Dean

السيرة الذاتية

أ.م.د. عامر مجبل علي

الجامعة المستنصرية – كلية الهندسة – قسم الهندسة الكهربائية

Mobile: 07901628735

Email: dramerma@uomustansiriyah.edu.iq



ملخص تعريفي:

- محاضر مادة المكانن الكهربائية (الجزء النظري + الجزء المختبري) في قسم الهندسة الكهربائية للدراستين الاولى والعليا.
- خبرة في استخدام طريقة العناصر المحددة لتحليل المكانن الكهربائية بواسطة برنامجي (ANSYS+Maxwell2D)
- الاهتمام بتحليل استخدامات الطاقات المتجددة في إنتاج الطاقة الكهربائية بواسطة برنامج (HOMER).

الشهادات الدراسية:

- دكتوراه في الهندسة الكهربائية – الجامعة التكنولوجية – بغداد- ٢٠٠٧
- ماجستير في الهندسة الكهربائية – الجامعة التكنولوجية – بغداد- ١٩٩٩
- بكالوريوس في الهندسة الكهربائية- الجامعة التكنولوجية-بغداد- ١٩٨٩

الخبرة الأكاديمية والتدريس:

- الدكتوراه : تدريس التصميم المتقدم للمكانن الكهربائية .
- الماجستير: تدريس المكانن الكهربائية الخاصة والإشراف على مشاريع طلبة الماجستير الخاصة بالمكانن الكهربائية.
- البكالوريوس: تدريس المكانن الكهربائية (الجزء النظري + الجزء المختبري) والإشراف على مشاريع تخرج طلبة البكالوريوس الخاصة بالمكانن الكهربائية.

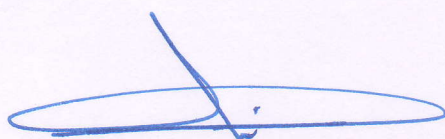
المقررات الدراسية التي تم تدريسها:

الدراسات الأولية	الدراسات العليا
- المكانن الكهربائية (بكالوريوس - المرحلة الثالثة)	- المكانن الكهربائية الخاصة (ماجستير)
- مختبر المكانن الكهربائية (بكالوريوس - المرحلة الثالثة)	- التصميم المتقدم للمكانن الكهربائية (دكتوراه)

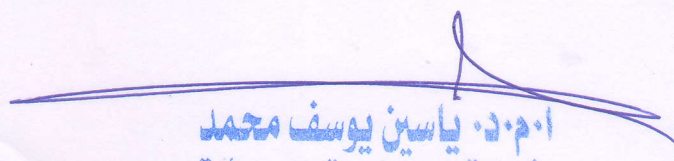
المنشورات العلمية

1. Different Techniques for Calculating Apparent and Incremental Inductances using Finite Element Method, Iraq J. Electrical and Electronic Engineering ,Vol.11 , No.2, 2015.
2. Optimization investigation of a stand-alone hybrid energy system design in Kirkuk technical college, Proceedings of the 2015 International Conference on Education and Modern Educational Technologies (EMET 2015) - Zakynthos Island, Greece , July 16-20, 2015.
3. Design, Simulation and Implementation of A 60 kW Variable Voltage DC Power Supply for A Current-Fed Parallel Resonant Inverter Used in Induction Heating Applications, Journal of Engineering and Development Vol. 20, No.1, Journal of Engineering and Development Vol. 20, No.1, January -2016.
4. Design Optimization of Solar Power System with respect to Temperature and Sun Tracking, IEEE - Al-Sadeq International Conference on Multidisciplinary in IT and Communication Science and Applications (AIC-MITCSA) – Iraq, (9-10) May -2016.
5. Effect of Diesel Generator Characteristics on the Design Optimization of a Stand-alone Hybrid Micro-power System for Baghdad City, IEEE 3rd International Conference on Engineering Technologies and Social Sciences (ICETSS), 2017.

6. Impact of Inverter-Fed Power Supply on Copper and Iron Losses of a Three-Phase Induction Motor, IEEE- International Conference on Advanced Science and Engineering (ICOASE), Kurdistan Region, Iraq, 2018.
7. Design Optimization of A Hybrid Hydro-Wind Micropower System for Rural Communities, Journal of Engineering and Sustainable Development , Vol. 22, No.02 (Part-5), March,2018.
8. Estimation of Copper and Iron Losses in a Three-Phase Induction Motor using Finite Element Analysis, IEEE , 2nd International Conference for Engineering, Technology and Sciences of Al-Kitab (ICETS) ,4-6 Dec. 2018.
9. Estimation of Stator Winding Temperature of a Three-Phase Induction Motor, Iraqi Journal of computers,Communication,Control&Systems Engineering(IJCCCE) Vol.19 ,No.2, April,2019.
10. Thermal analysis of a three-phase induction motor based on motor-CAD, flux2D, and matlab, Indonesian Journal of Electrical Engineering and Computer Science , Vol. 15, No. 1, July,2019.
11. Thermal Analysis of a Three-Phase Induction Motor with Frame Design Considerations, IOP Conf. Series: Materials Science and Engineering 518 (2019) 042010.
12. Effect of Different Ambient Factors on Temperature Distribution in Three-Phase Induction Motor, Journal of Engineering and Sustainable Development Vol. 24, No. 02, March 2020.
13. Voltage Build-Up Behavior of Self-Excited Induction Generator Under Different Loading Conditions, Third International Conference on Advanced Science and Engineering (ICOASE2020) University of Zakho, Duhok Polytechnic University, Kurdistan Region, Iraq (IEEE),2020.
14. Performance assessment of a multi-speed single-phase capacitor motor using a hybrid analytical-FEM methodology, IOP Conf. Series: Materials Science and Engineering, 2021.
15. Performance Assess of Self-Excited IG Driven by Wind Turbine Working With FC-TCR, Journal of Engineering and Sustainable Development, September, 2021.
16. Modeling, Simulation and Analysis of Electric Vehicle Driven by Induction Motor, IOP Conf. Series: Materials Science and Engineering, 2021.
17. Finite Element Analysis of Shaded Pole Motor Based on Maxwell2D, Journal of Engineering and Sustainable Development, June 2021.
18. Parameters Estimation Tests of Induction Machine Using Matlab/Simulink, Journal of Physics: Conference Series, IOP Publishing, 2021.
19. Performance Evaluation of Three-Phase Induction Motor Driving an Electric Vehicle Under Different Road Conditions, Journal of Engineering and Sustainable Development, November 2021.
20. Losses Calculation of Shaded-Pole Induction Motor based on Finite Element Method, Proceedings of 2nd Information Technology to Enhance E-Learning and other Application Conference, IT-ELA , 2021.
21. Effect of Changing Running Capacitor on Performance of a Single-Phase Induction Motor, Kerbala Journal for Engineering Science, June 2022.
22. Finite Element Analysis of a Single-Phase Induction Motor With Non-Uniform Stator Slots Based on Magnet Software and AutoCAD, Journal of Engineering and Sustainable Development, July 2022.
23. Losses estimation of a single - phase induction motor based on finite element analysis, AIP Conference Proceedings 2787, 050019 , July 2023.
24. Effect of Changing Magnet Material on Cogging Torque and Torque Ripple of Brushless DC Motor, Al-Iraqia Journal for Scientific Engineering Research, Volume 2, Issue 1, March 2023.
25. Thermal Analysis of Switched Reluctance Motor Based on RMXprt/Motor-CAD, Anbar Journal of Engineering Science (AJES), Vol. 14 , No. 1 (2023).


توقيع معاون العميد

الأستاذ المساعد الدكتور
عبدالله محمد الجبوري


أ.م.د. ياسين يوسف محمد
رئيس قسم الهندسة الكهربائية
٢٠٢٣ / ١ / ١