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| PersonalInformation | * Nationality: Iraqi
* Date of Birth: 10/ 12 / 1967, Baghdad-Iraq
* Country of Residency: Iraq
* H index: 2 (based on the researcher's data)
* Address: 32001 Baqubah, Diyala Province, Iraq
 |
| Education | * **PhD Degree** in Electronic and Computer Engineering, the University of Missouri / USA (2014).

Thesis Title: Design of an Efficient Controller for Arterial Oxygen Saturation in Neonatal Infants**.** **M.Sc. Degree** in control and systems, University of Technology, Belgrade, Iraq. Thesis Title: Development of An Efficient Controller for A Non-linear Pneumatic Servo:  |
| Languages | * English and Arabic
 |
| Teaching | * Engineering analysis
* Numerical analysis
* Microprocessor
* Control
* Modern Control
* Digital Signal Processor
* Supervisor for many graduate projects for undergraduate students.
 |
| Training Courses and Workshops | * Several workshops in diseases of infants. 2014.
* Several workshops during my PhD study at Electrical and Computer Engineering, University of Missouri 2009-2014.
 |
| Software and Tools |  |
| Work Experiences | * Lecturer of many subjects at Electronic Engineering Department and Electrical Power and Machines Engineering, College of Engineering, University of Diyala from 2004-till now.
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| Professional membershipsPublicationsJournal **:** | * Head of the Department of Electrical Power and Machines Engineering .
* Member of the college of engineering council, University of Diyala.
* Experienced Engineer, member of Iraqi Engineer Union
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| **ت** | **اسم البحث** | **اسم المجلة** | **ISSN** |
| --- | --- | --- | --- |
| 1 | [Prediction the data consumption for power demands by Elman neural network](https://www.researchgate.net/profile/Lafta-Alkurawy/publication/336208679_Prediction_the_data_consumption_for_power_demands_by_Elman_neural_network/links/5f3ffa0c458515b7293a4626/Prediction-the-data-consumption-for-power-demands-by-Elman-neural-network.pdf) | International Journal of Electrical and Computer Engineering |  2088-8708 |
| 2 | [Simulation of Robust Control of Magnetic Levitation System](https://www.researchgate.net/profile/Lafta-Alkurawy/publication/332859182_Simulation_of_Robust_Control_of_Magnetic_Levitation_System/links/5cf315a3299bf1fb184fc38f/Simulation-of-Robust-Control-of-Magnetic-Levitation-System.pdf) | Journal of Engineering and Applied Sciences | 1816-949X |
| 3 | Model predictive control of magnetic levitation system. |  International Journal of Electrical and Computer Engineering (IJECE) |  2088-8708 |
| 4 |  Design of H∞ for induction motor |  International Journal of Power Electronics and Drive System (IJPEDS) |  2088-8694 |
| 5 | [Neural Network and Control for Arterial Oxygen Saturation in Neonatal Infants](https://www.researchgate.net/profile/Lafta-Alkurawy/publication/337870858_Neural_Network_and_Control_for_Arterial_Oxygen_Saturation_in_Neonatal_Infants/links/5f3ffd9792851cd302117144/Neural-Network-and-Control-for-Arterial-Oxygen-Saturation-in-Neonatal-Infants.pdf) | Journal of Engineering and Applied Sciences | 1816-949X |
| 6 | [Recursive least square and control for PUMA robotics](https://www.researchgate.net/profile/Lafta-Alkurawy/publication/349008869_Recursive_least_square_and_control_for_PUMA_robotics/links/601b1aef299bf1cc269ffacd/Recursive-least-square-and-control-for-PUMA-robotics.pdf) | Indonesian Journal of Electrical Engineering and Computer Science | 2502-4752 |
| 7 | Modeling, Identification and Controlof Inverse Kinematic of PUMA Robots | *International Journal on Engineering Applications (I.R.E.A.)* | *2281-2881* |
| 8 | Design and implementation a smart seat for handicap people | ARPN Journal of Engineering and Applied Science | 1819-6608 |
| 9 | Modeling and Identification of Human Heart System | *International Journal on Engineering Applications (I.R.E.A.,* | *2281-2881* |

Publications:

**Conference**

| **No** | **اسم المؤتمر**  | **عنوان البحث** | **جهة النشر** |
| --- | --- | --- | --- |
| 1 | 2020 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA) | [Linear Quadratic optimal control for Puma Robotics](https://ieeexplore.ieee.org/abstract/document/9152902/) | IEEE |
| 2 | IOP Conference Series: Materials Science and Engineering | [Design of an Efficient Controller for Steam Generator System](https://iopscience.iop.org/article/10.1088/1757-899X/1076/1/012063/meta) | IEEE |
| 3 | [MODELLING AND CONTROL OF ARTERIAL OXYGEN SATURATION IN NEONATAL INFANTS](http://djes.info/index.php/djes/article/view/386) | Diyala Journal of Engineering Sciences |  |

More information about my scientific activity can be found via links below:

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| Research Gate  | https://www.researchgate.net/profile/Lafta-Alkurawy |
| Acadimeca.edu  | https://independent.academia.edu/AlkurawyLafta?from\_navbar=true |
| GoogleScholar  | https://scholar.google.com/citations?user=ZK\_\_sDsAAAAJ&hl=en |
| **ORCID** | http://orcid.org/0000-0002-1609-190X |
| Publons | <https://publons.com/researcher/1774265/lafta-e-alkurawy/> |
| EdasScopus  | <https://www.edas.info/showPerson.php?p=1458862><https://www.scopus.com/authid/detail.uri?authorId=57202359839> |