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| Personal  Information | * 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 memberships  Publications  Journal **:** | | * 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 | |

| **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 Control  of 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/> |
| Edas  Scopus | <https://www.edas.info/showPerson.php?p=1458862>  <https://www.scopus.com/authid/detail.uri?authorId=57202359839> |