



Faisal Theyab Abed

فيصل ذياب عبد شياح الطائي

Associate Professor

ACADEMIC TITLES

2024-04-15

Associate Professor

TEACHING EXPERIENCE

Academic Staff Member

College of Engineering

2020-01 - Present

COURSES

- electrical power system
- Power advanced

PUBLICATIONS (18)

1. Artificial Intelligence–Driven Smart Home Energy Management Systems: Deep Learning–Based Load Forecasting, Optimization Strategies, and Open Research Challenges
Wasit Journal of Engineering Sciences 14 (2), 424-435, 2026 | 2026
2. Deep Learning and Blockchain for Smart Grids: Integration, Challenges, and Future Directions
E3S Web of Conferences 694, 03002, 2026 | 2026
3. Investigation of the Internet of Things to Track the Distribution Temperature of Transformers with Accounting Residential Loads
Conference of Recent Trends and Applications of Soft Computing in ...;, 2025 | 2025 | Cited: 1
4. Using genetic algorithm for optimal sizing of stand-alone hybrid energy system [J]
Herit Sustain Dev 6 (1), 287-300, 2024 | 2024 | Cited: 3
5. Detection of power transmission lines faults based on voltages and currents values using K-nearest neighbors
International Journal of Power Electronics and Drive Systems (IJPEDS) 14 (02 ...;, 2023 | 2023 | Cited: 9
6. Enhancement of the efficiency of solar energy cells by selecting suitable places based on the simulation of PV System
Periodicals of Engineering and Natural Sciences | 2022 | Cited: 12
7. Analysis of the problems of electricity in Iraq and recommendations of methods of overcoming them
Periodicals of Engineering and Natural Sciences 10 (1), 607-614, 2022 | 2022 | Cited: 30
8. Enhancing the efficiency of photovoltaic power system by submerging it in the rivers
Telkomnika (Telecommunication Computing Electronics and Control) 20 (1), 166-172, 2022 | 2022 | Cited: 21
9. Monitoring the Consumption of Electrical Energy Based on the Internet of Things Applications
International Journal of Interactive Mobile Technologies | 2021 | Cited: 58
10. Using IoT Applications for Detection and Monitoring of Underground Cable Fault
IOP Conf. Series: Materials Science and Engineering 1184 (012003), 2021 | 2021 | Cited: 12
11. Impact of Substrate Temperatures On the Properties of V2O5 Thin Films Deposited by Pulsed Laser Deposition
Journal of Physics: Conference Series 1973 (1), 012074, 2021 | 2021 | Cited: 8

CONTACT

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EDUCATION

ماجستير (07-07-2017)

Electrical Power

Tambov state technical university

RESEARCH METRICS

h-index (Scopus)	9
h-index (GS)	11
Citations (Scopus)	304
Citations (GS)	451
Documents (Scopus)	14
Documents (GS)	18

RESEARCH INTERESTS

- Renewable Energy and Modern Power Systems



12. **Economic Feasibility Study of a Hybrid Power Station Between Solar Panels and Wind Turbine with The National Grid in Al- Hayy City in the Central of Iraq**
IOP Conf. Series: Materials Science and Engineering 1184 (012001), 2021 | 2021 | Cited: 17
13. **Efficient Energy of Smart Grid Education Models for Modern Electric Power System Engineering in Iraq**
IOP Conference Series: Materials Science and Engineering 870 (1), 012049, 2020 | 2020 | Cited: 48
14. **Design and implementation of a smart traffic light management system controlled wirelessly by arduino**
International Association of Online Engineering, 2020 | 2020 | Cited: 44
15. **Water desalination and purification using desalination units powered by solar panels**
Periodicals of Engineering and Natural Sciences 7 (3), 2019 | 2019 | Cited: 46
16. **Analysis the Efficient Energy Prediction for 5G Wireless Communication Technologies.**
Int. J. Emerg. Technol. Learn. 14 (8), 23-37, 2019 | 2019 | Cited: 92
17. **Attendance System Design And Implementation Based On Radio Frequency Identification (RFID) And Arduino**
Journal of Advanced Research in Dynamical Control Systems 10 (4), 1342-1347, 2018 | 2018 | Cited: 50
18. **Eliminate the Migration of Farmers to Cities by Supporting Renewable Energy Projects**
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