DR. AHMED MAHMOOD KHUDHUR

CONTACT

📍 IRAQ-KIRKUK, UNIVERSITY STREET

📱 +9647719539367

✉ Ahmed.mahmood7970@yahoo.com
Ahmed.mahmood7970@gmail.com

SKILLS

Skill	Level
Statistic & Sigma plot	●●●●●
MATHLAB	●●●●○
Graph Pad Prism Software	●●●●●
C++	●●●●○
Code Blocks	●●○○○
Internet Professional	●●●●●
Networking	●●●●●
Computer and software troubleshooting	●●●●●
Microsoft Office& Excel, Power Point	●●●●●
Installing, maintaining and repairing hardware and software	●●●●●

PROFESSIONAL SUMMARY

Head of department in Bilad Alrafidain University College.

WORK EXPERIENCE

Research assistance in faculty of Communication and Media Studies at Eastern Mediterranean University, North Cyprus, September 5, 2011 to June 30, 2013.

Head of department of computer engineering techniques in Bilad Alrafidain University College, Baqubah, 2018-2019.

EDUCATION

1. **PhD** (Electrical Engineering) in Computational Neuroscience and Optimization.
Faculty of Engineering Technology University Malaysia Pahang. **MALAYSIA**
Thesis title is (Optimization and Improvement of Hodgkin-Huxley Model under the Influence of Ion Channel Noise in Neurons).
2. **MSc** (Computer Engineering) in Computational Neuroscience.
Eastern Mediterranean University, March 2014, Gazimağusa, **NORTH CYPRUS**.
Thesis title is (An Investigation into the Colored Stochastic Hodgkin-Huxley Equations Under Noisy Input Currents).
3. **BSc** in Computer Technology Engineering University of Mosul, **IRAQ**, 2010.

LIST OF PUBLICATIONS

1. An Investigation into the Dissipative Stochastic Mechanics Based Neuron Model Under Noisy Input Currents. International journal of Neural Networks, Vo.3, Issue 1, 2013. ISSN 2249-2763. pp, 53-59.

2. Khudhur, A. M., Abdalla, A. N., Zain, J. M., & Tao, H. (2015). An investigation of the coefficient of variation using voltage clamps techniques. *International Journal of Basic and Applied Sciences*, 4(4), 364-370.

3. Ahmed, M.K., Ahmed N Abdalla. (2015). A New Neuron Ion Channel Model with Noisy Input Current. *International Journal of Engineering Technology and Sciences* (IJETS), 3(1): 29-35.

4. Ahmed M. Khudhur, Yasir H. Naif and Ahmed N. Abdalla. (2017). Development of Neuron Ion Channel Model using Colored Noise Terms in the Conductance. *Research*

LANGUAGES

Arabic   ●●●●●

English   ●●●●○

Turkish   ●●●○○

Journal of Applied Sciences, Engineering and Technology, 14(7): 262-270.

5. Ahmed M Khudhur, Yasir H Naif, Ahmed N Abdalla. (2017). Develop a New Ion Channel Model of Neuron Under input current amplitude and frequency. *SYLWAN journal* (Accepted).

6. Ahmed M Khudhur, Yasir H Naif, Ahmed N Abdalla. (2017). Enhancement into the dissipative stochastic mechanics-based neuron model under input current pulses, *15th International Conference on Researches in Science and Technology (ICRST)*, 23-24, Kuala Lumpur.

7. Ahmed Mahmood Khudhur, Yasir H. Naif, Abdolbaqi Mohammed Khdher. (2017). Enhancement the Voltage Clamp Technique Under Noisy Input Currents, *LAP LAMBERT Academic Publishing,* ISBN-13: 978-3-330-33515-8.

EXHIBITION

1. Ahmed Mahmood Khudhur, (2016). Complex Neural Computation Algorithm Based on Multiple Digital Neurons, *Innovative Research, Invention & Application (I-RIA)*, *Universiti Utara Malaysia*, (**Gold Medal**).

2. Ahmed Mahmood Khudhur, (2016). Complex Neural Computation Algorithm Based on Multiple Digital Neurons, *Innovative Research, Invention & Application (I-RIA)*, *Universiti Utara Malaysia*, (**Best Research**).

❖ Working as Reviewer in the Journal of Electrical Engineering & Technology, ISSN(Print): 1975-0102 (review the papers that submitted in this journal).

WORKSHOPS, SHORT COURCES AND TRAININGS ATTENDED

1. Postgraduate Research Methodology Course, 9 & 20 March 2013, North Cyprus, Eastern Mediterranean University.

2. Thesis and technical writing workshop, 19-21 February 2011, North Cyprus, Eastern Mediterranean University.

3. Attending Journal Writing Workshop, 23 August 2016, University Malaysia Pahang.

4. Attending IEEE course in communications and networking, 12 & 19 & 26 July 2010, Kirkuk- Iraq.

REFERENCES

References available on request