Prof.Dr.Baqer Turki Atiyah Al-Lamey

Personal Data

- Name: Prof.Dr. Baqer Turki Atiyah Al-Lamey
- Nationality: Iraq
- Birth Date: 10/6/1962
- Social Status: Married

Academic Qualifications

- B.S.C: University of Technology: Iraq:1980-1984.
- M.S.C: University of Technology: Iraq:2002-2004.
- PhD: University of Technology: Iraq:2005-2008.

Scientific Ranking

- Assistant Lecture 13/3/1993 – 19/7/2005.
- Lecture: 20/7/2005 – 11/2/2009.
- Assistant Professor: 12/2/2009 – 14/7/2020.
- Professor: 15/7/2020 - till now.

Positions

- Dean of Thi-Qar Technical Collage 13/2/2017- till now.
- Dean of Shatra Technical Institute 21/8/2013-6/11/2019.
- Head of Electrical Department 4/10/2009-21/8/2013.
- Head of Designing Department 17/10/2000-8/2/2006.
- Head of Scientific unit 24/10/1999-18/10/2000.
- Head of Student Affairs Unit 9/9/1997-7/10/1998.
- Coordinator of Electrical Department 12/7/1994-30/9/1995.

- Chairman of Committee on the test of teaching competence at the southern technical university 2014-2017.
- Member of the Board Directors of southern technical university 2014-till now.
- Member of the Board Directors of foundation of education technical institutes 2013-2016.
- Chairman of the sectoral committee for electrical and electronic in Iraqi institutes 2013-2016.
- Member of the committee of deans of engineering specialties in technical universities 2017-till now.
- Chairman of Committee of experts in electrical specialties in technical universities 2018-2019.

Computer Skills

- Design and Implementation of Artificial Intelligent software by using Artificial Neural Network (A.N.N) , Fuzzy Logic (F.L) and Genetic Algorithm (G.A).
- MATLAB application for all generation.
- AUTOCAD Program>
- Programming in C++ Language.
- Programming in Visual Basic Language.

Training Courses

- Iraqi Engineering Training courses in Egypt TRIP, Cairo, Egypt, 2005.
- Leadership course for heads of scientific departments, Foundation of Technical Education, Erbil, Iraq, 2011.
- Two courses in the reform of technical , vocational and education, UNISCO 2018 and 2019. .

- Workshop on technological incubator and ways of activating them, center of staff development, Baghdad, 2013.
- Global Education and Training for Energy-Abu-Dhabi (Getenergy), AUE, 2013.
- Several courses on how to improve the performance of electrical power system.
- Courses in laboratory experiments for several laboratories in electrical engineering.

Scientific Activities

- Participated in the discussion of several master`s and doctorate dissertations for postgraduate students in electrical engineering in many Iraq universities.
- Participation in many scientific conference, seminars and workshops held in many Iraqi universities.
- Participated in the evaluation of many scientific research published in many scientific journals court as well as research provided for the scientific advancement of many professors of Iraqi universities and the commissions of scientific research provided for promotion.
- Lecturing in the field of electrical engineering and computer sciences in the bachelor`s and technical diploma for the period from 1987 till now (33 years) in several collages and technical institutes.
- Design of electrical maps of many buildings implemented in the province.
- Design and implementation of several control departments for many projects implemented in the province, especially projects for the purification and pumping of potable water.
- Maintenance and rewinding of single phase and three phase electric motors.

- **Design of training programs in the field of electrical power engineering.**

Publication

1- **Effect of Application the Inductive and Deductive Methods to Learning Some of Electrical Concepts by Using Computer Simulation, Scientific Journal of Al-qadisiya University, Vol.1, No.4, Dec/Jan, 2001/2002.**

2- **Effect of Using Drill and Practice Approach Using Computer on Motivation of Students to Learn Electrical Networks Subject, Scientific Journal of Al-qadisiya University, Vol.2, No.2, Jun/July, 2002.**

3- **A Computer Program for Study the Designing Computation of Electrical Transmission Lines, 9th Conference of Foundation of Technical Education, Baghdad, 2005.**

4- **Radial Basis ANN-Based Static Load Flow Analysis in Iraqi National Super Grid (400 KV) , Thi-Qar University Journal , 2008.**

5- **Voltage Profile Enhancement and Loss Reduction at Future Expansion of Transmission Power System, 2009.**

6- **Computer Aided Voltage Stability Analysis in Power System, Thi-Qar University Journal, 2010.**

7- **Performance Improvement of Multi-Level Load Power System by Using Two-Stages Fuzzy Controller, Thi_Qar University Journal for Engineering Sciences, 2011.**

8- **A Programming Package for Simulation of Electrical Networks Theorems, Al-Taqani Scientific Journal, Foundation of Technical Educatio, Vol.24, .3, 2011.**

9- **Comparative Study for The Effect of Tree Technical Styles in The Doing of Laboratorial Experiments Upon The Students Achievement and**

Their Practical Skills, Journal for Collage Education of Pure Science, University of Thi-Qar, Vol.2, No.3, Augest, 2012.

10- Learning Efficiency Improvement in Electronic Media Simulation, Journal for Collage Education of Pure Science, University of Thi-Qar, Vol.2, No.4, March, 2013.

11-Integrating Wireless Communication and Broadband Powerline Communication: Applications of Networking of Depreciation Data Acquiring System, International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014.

12- Neuron-MOSFET Junction with Sodium Potassium Voltage Gate Channel, 978-1-4577-1343- 9/12/$26.00, IEEE 2014.

13- Reduction Noise in Non-Connect Physical System, IEEE Long Island Systems, Application and Technology LISAT 2015, Long Island, NY, May 2015.

14- Prevention of Voltage Instability in Radial Distribution Systems During Fault Occurrence, International Journal of Engineering and Technology, Vol.7, No.2.29, 2018.

15- An Improved Cost Estimation for Unit Commitment Using Back Propagation Algorithm, Malaysian Journal of Fundamental and Applied Sciences, Vol.15, No.2, 2019.

16- Enhancement of Maximum Power Point Trackingm of Solar Energy Conversion Using a Newly Designed High-Sensitive Fuzzy PID Controller", IEEE.Pecon2018 conference.

17- Predict the Lifetime for (15.75kv/400kv) Transformer Oil of Nasiriyah Power Plant, University of Thi-Qar Journal for Engineering Sciences, Vol.10, No.1, May 2019.

18- Diagnosing of Bearing Fault in Induction Motor by Adopting DWT-Based Artificial Neural Network (A.N.N), 5th International Scientific Conference on Advanced Engineering Technologies (ISC-

AET2020), Southern Technical University, Basrah, Iraq, 18-19/8/2020, Journal of Physics, Vol.1773, 26 Feb, 2021.

19- A Networked Framework of Simulate and Monitor System With a Multi Load Issues for a Three Phase Induction Motor (I.M), Vol.83, 2020, p.p 21743-21751.

20- Enhancing the Photovoltaic System Output Performance Through the Use of Maximum Power Point Tracking and Fuzzy Logic Control, 2021 IEEE International Conference in Power Engineering Application (ICPEA), 8-9 March 2021.

21- Enhancing Battery Recharge Performance Through an Intelligent MPPT for Photovoltaic Solar Panels, International Multi-Disciplinary Conference Integrated Sciences and Technologies, Southern Technical University, 7-9 September,2021.

22- A Literature Survey on Well-Known Algorithms of Optimal Power Flow, International Multi-Disciplinary Conference Integrated Sciences and Technologies, Southern Technical University, 7-9 September,2021.

23- Optimal Placement and Sizing of Capacitors in the Distribution Network Using Neuro-Fuzzy Algorithm, Design Engineering Journal, Issus 8, Pages:14374-14387. 2021