

حكومة إقليم كردستان - العراق
وزارة التعليم العالي والبحث العلمي
جامعة دهوك
كلية الهندسة
قسم هندسة البايوميديكال



حكومة تهریما كوردستانی - عیراق
وزارة تها خواندنا بالاً و تویذینیت زانست
زانکویا دهوک
کولجانه نذازیاری
به شی نه نذازیاریا بایومیکیال

Kurdistan Regional Government – Iraq
Ministry of Higher Education and Scientific Research
Duhok University, College of Engineering
Biomedical Engineering Department

Curriculum Vitae (CV)

University Address: Zakho way, Duhok, Kurdistan- Iraq



Name: **Salih Mustafa Saleem Atroshey**

PhD, Assistant Professor, Consultant Electrical Engineer

Citizenship (Nationality): **Kurdistan Region, Iraq**

College/Institute: **College of Engineering, Duhok University**

Department: **Head of Biomedical Engineering Department**

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salihatroshey@gmail.com

Education:

University	College	Degree	Date (year)	Specialty
University of Salahaddin	College of Engineering / Electrical Department	B.Sc.	1975-1979	Electrical Engineering
University of Mosul	College of Engineering / Electrical Department	P.G. Diploma	1981-1982	Electronic and Communications
University of Mosul	College of Engineering / Electrical Department	M.Sc.	1982-1984	Bio-Electrical Engineering
University of Mosul	First College of Engineering / Computer Engineering Department	PhD	2003-2007	Optical Fiber Communication

Work Experience:

1- Academic Experience

<u>A.</u> Current Position	Duration	Duties
Department of Biomedical Engineering, UoD	Since 1 Oct. 2018-continue	Head of Department

<u>B.</u> Previous Jobs	Duration	Duties
Technical Institute of Mosul	1984-1997	Assistant Lecturer
Technical Institute of Mosul	1985-1986	Head of Precision Instruments
Duhok University / College of Engineering,	1997- 2004	Assistant Lecturer
Duhok University / College of Engineering	25/05/2004	Lecturer
Duhok University / College of Engineering	24/08/2002 - 1/11/2003	Dean Deputy for college of engineering
Duhok University / Faculty of Engineering and Applied Science	05/04/2012	Assistant Professor. Director of the Research Center
Duhok Technical Institute	7/11/2013 - 15/11/2017	Dean of Duhok Technical Institute
Biomedical Engineering Department	14/11/2018 up to now	Head of Biomedical Engineering Department

2- Practice Experience: Major projects handled / involved in Kurdistan

Item	Project title	Contribution
1	Water treatment plant of Zakho	Designer and Consultant Engineer of Electrical systems for the project
2	Water treatment plant of Sehela in Duhok	Designer of Electrical systems for the project
3	Water treatment plant of Khrabdeem in Duhok	Designer and Consultant Engineer of Electrical systems for the project
4	Water treatment plant of Amadea in Duhok	Designer of Electrical systems for the project

5	Water treatment plant of Aqra in Duhok	Designer of Electrical systems for the project
6	Water treatment plant of Qaladeza in Sulaimanea	Designer of Electrical systems for the project
7	Water treatment plant of Jamjamail in Sulaimanea	Designer of Electrical systems for the project
8	Kurdistan International Bank	Consultant Engineer of Electrical systems for the project
9	Sewage Water Treatment project of Debis in Karkok.	Designer of Electrical systems for the project
10	Sewage Water Treatment project of Alton Koprey in Karkok.	Designer of Electrical systems for the project
11	Sewage Water Treatment project of Daqoq in Karkok.	Designer of Electrical systems for the project
12	Tens of other projects such as buildings , towers, , hospitals, Touristy Project, mosques and new cities in Duhok and Hawleer.	Designer of Electrical systems for the projects and Site Engineer for some of them.
13	Feeding Duhok Dam Project	Designer and Consultant Engineer of Electrical systems for the project
14	Hydraulic Laboratory in Water Resource department / faculty of Engineering & Applied Science in 2008-2009	Head of Installation Committee, we saved 50,000 US Dollars for our University, I was awarded 500 US Dollars by University president.

HIGHER DEGREE CANDIDATES SUPERVISED

- 1- MSc student (Modified Cryptosystems Based on Public-Key Algorithms).
- 2- MSc student (Analysis and Optimization Performance of the QOS in GSM/EDGE Networks).
- 3- MSc student (An Investigation of the Left Ventricle of Human Heart by Fluid-Dynamics Modelling).

4- PhD student (Analysis, Optimization and Performance Improvement of Optical Fiber Communication System).

5- PhD student (Performance Optimization of Wireless Body Area Networks for eHealth Applications).

6- PhD student (Radio over fiber design issues for emerging wireless access networks)

Research Interest and Future Plans:

- **MSc.** Thesis Titled: “**Effect of Microwaves on Living Organism**” College of Engineering. University of Mosul. Iraq. 1984

- **PhD.** Thesis titled: “**Performance Evaluation of Optical Fiber Loop Buffer**”. College of Engineering. University of Mosul. Iraq. 9 July 2007.

Researches:

1- “ **Lack of Fungal Genetic Response to Microwaves** ”, *3rd National Symposium of Radio Science*, Egypt 23-25 Feb. **1985**.

2- “ **On The Genetic Effect of Two Microwaves Frequencies on Aspergillus Amstelodami** ”. *Egyptian Journal of Genetics and Cytology*, No.14: 185- 196 July **1985**.

3- “ **Diplodization Effect of Microwaves on Heterokaryons of Aspergillus Amstelodami** ”. *Egyptian Journal of Genetics and Cytology*, No.16:401- 412 July **1987**.

4- “ **Microwave Measurement of Dielectric Constant and Conductivity of Distilled Water and Conidial Suspension of Aspergillus Amstelodami** ”. *Journal of Education and Science*, University of Mosul, Vol. (7) 1989.

5- “ **Effect of Microwaves on the Early Development of the Toad Bufo Viridias Viridias** “. *Iraqi Journal of Science*, Vol.(33) **1992** .

6- “ **The Probable Genetic Effects of Microwaves** ”. *Journal of Dohuk University*, Vol.(7), No.1, 2004.

7- “ **Analysis and Optimization Performance of the QoS in GSM / EDGE Networks** ” , *Al-Rafidain Engineering journal*, Vol.(20) No.(4) October **2012**.

8- “ **A proposal Setting Solution for Subscriber Profile of Mobile Internet Applications in Home Location Register (HLR)** “, *Journal of Emerging*

Trends in Computing and Information Sciences (<http://cisjournal.org/>).

Vol.(3) No.(2), 2012.

9- “**Modified Cryptosystems Based on Public-Key Algorithms**“, *Zanco Journal for Pure and Applied Science, Salahaddin University*, Vol.(24), No.(2), 2012.

10- “**An Investigation of the Left Ventricle of Human Heart by Fluid-Dynamics Modeling**“ *JMSCR Volume 03, Issue 05, Page 5466-5478, May 2015.* 2015, ISSN (e)-2347-176x www.jmscr.igmpublication.org.

11- “**Design and Performance Optimization of WDM Lightwave System Using Optimum Modulation Formats**“, *National Academy Science Letters*, Springer, ISSN 0250-541X, The National Academy of Sciences, India 2020.

12- “**Performance Evaluation of 100 Gb/s WDM DP-QPSK Lightwave System with Reduced PMD Effects**“, *International Journal on Communications Antenna and Propagation (I.Re.C.A.P.)*, Vol. 9, N. 5 ISSN 2039 – 5086, October 2019.

13- “**Performance Optimization of WDM Long-Haul Lightwave Systems using Optimum Modulation Schemes**“, *ZANCO Journal of Pure and Applied Sciences. The official scientific journal of Salahaddin University-Erbil* <https://zancojournals.su.edu.krd/index.php/JPAS>, , 31 (5): 121-129, 2019

Publications: Scientific Books

1- “**The Microwaves and Life**”.(Published In Arabic), by **Salih Mustafa Saleem Atroshey**, *Encyclopedia of Science* (21), Iraq 1985.

2- “**Satellites**”. (Published in Arabic), by **Salih Mustafa Saleem Atroshey**, Dar Djjlah, Amman, Jordan, 2007.

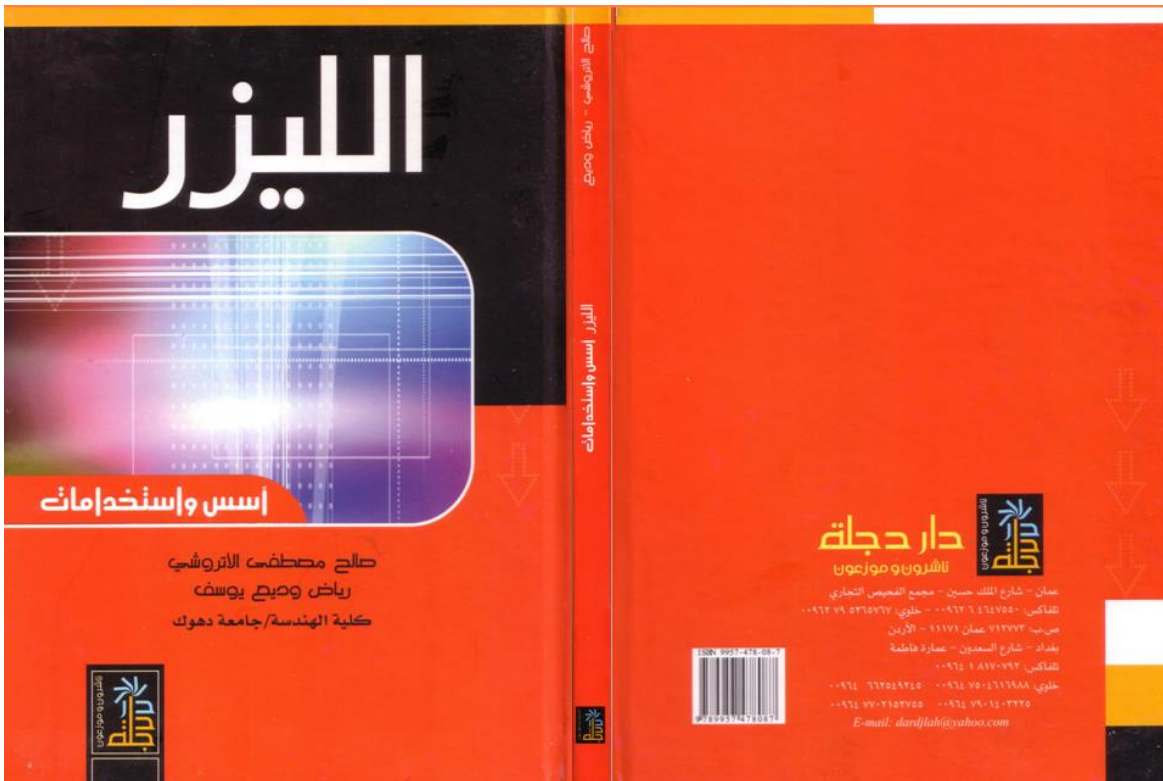
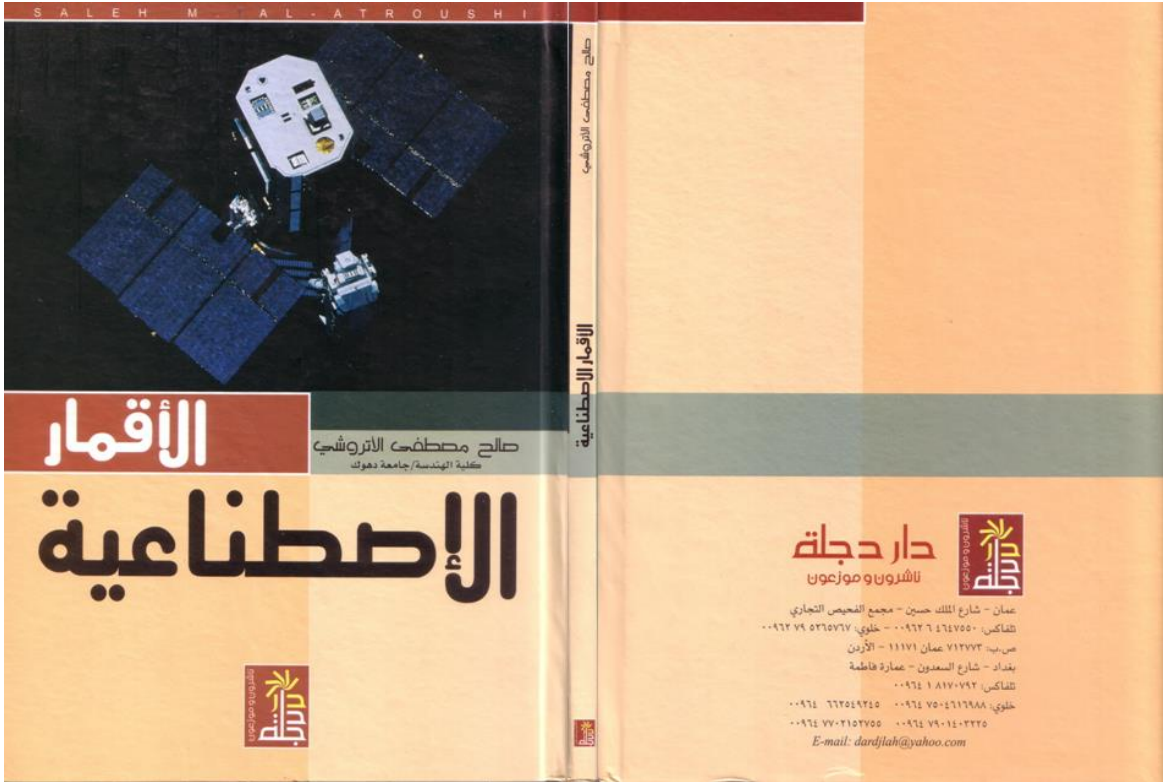
3- “**Laser, Principles and Applications**”. (Published In Arabic), by **Salih Mustafa Saleem Atroshey & Reyath wadeeh yousif**, Dar Djjlah, Amman, Jordan, 2007.

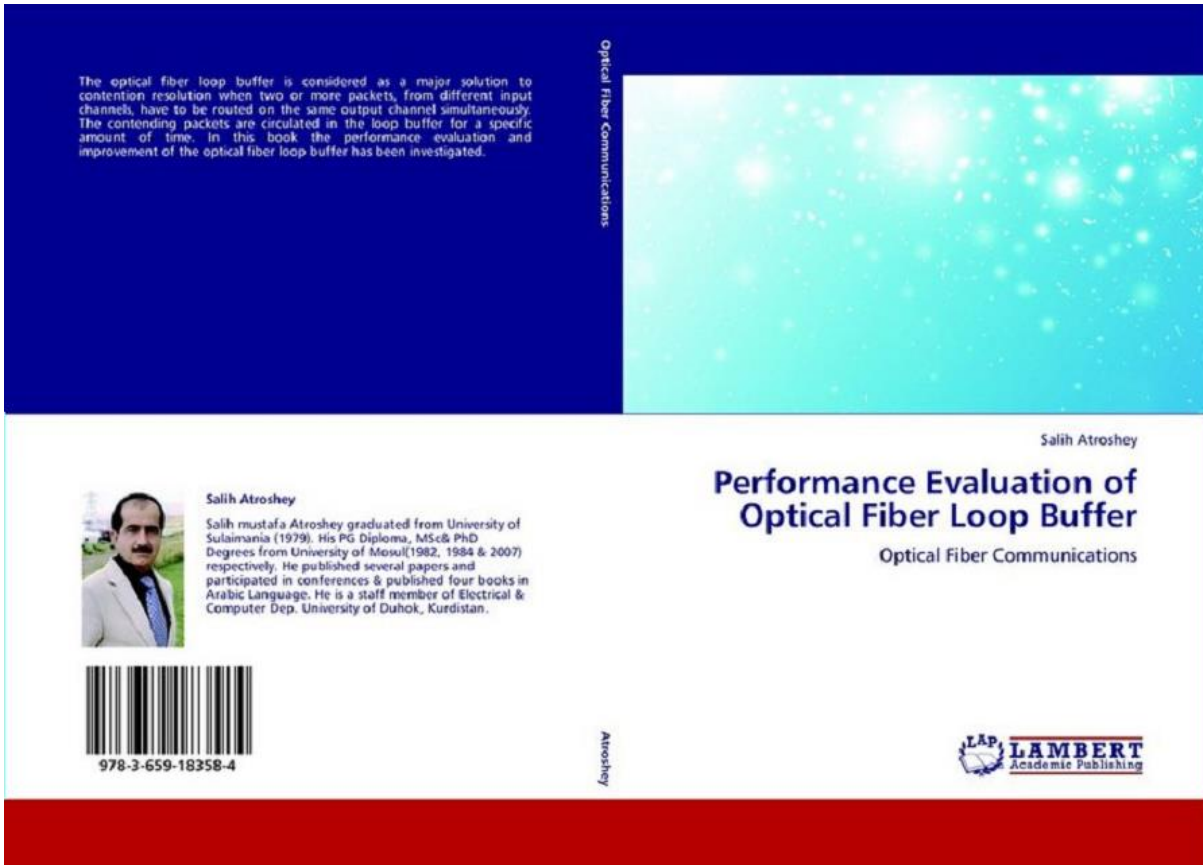
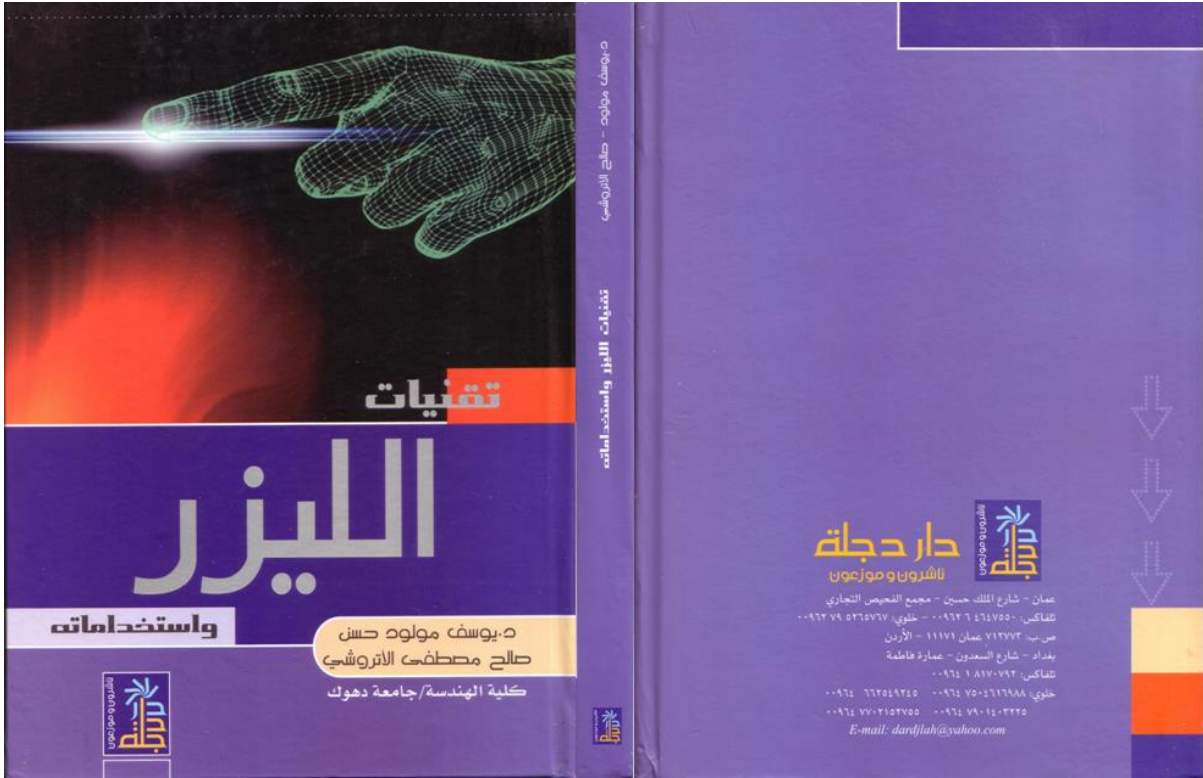
4- “**Technologies of Laser and Applications**”. (Published In Arabic), by Dr. **Yousif Maolod Hasan & Salih Mustafa Saleem Atroshey**, Dar Djjlah, Amman, Jordan, 2007.

5- “**Performance Evaluation of Optical Fiber Loop Buffer**” by **salih Atroshey**, LAMBERT, Academic Publishing (LAP), 2012, (Ph.D. Thesis).

6- “Physiological and health benefits of prayer” by Dr. Salih Mustafa Atroshey, Dar Al-Waha Publishing, and the Library of Degla for printing, publishing and distribution, Amman, Jordan, 2019.







Conferences & Symposiums:

- 1- **"Symposium of Environmental Protection from Industrial Pollution"**, Iraq – Habinia 13-16 may **1985**.
- 2- **" Conference on Higher Education Reform in Iraq "**, Iraq, Bagdad, 1992.
- 3- **"First Engineering Education Conference"**, Irqa, Kurdistan Region, University of Duhok, 17-19 April **2012**.
- 4- **"3rd International Conference on Recent Innovations in Engineering (ICRIE)"**, participate as Track Editor, Fully Virtual, Iraq, Kurdistan Region, University of Duhok, 9-10 September 2020.

Workshops, Training Courses and Industrial Tests:

- 1- **"Training course on Laser technology"**. Technical University. Baghdad 1985.
- 2- **"Teaching Course: TC1 & TC2 Courses"**. Developing Staff Center. Baghdad, 1985.
- 3- **"Different courses on Electrical installation"**. Technical Institute of Mosul. 1986-1988.
- 4- **"Staff Visit in Lund University, Sweden"**, Erasmus Mundus European Program lot-7 in 28-08-2008 to 26-09-2008.
- 5- **"PHYWE-LUCAS NULLE-ALKHORA 3rd Seminar on Science and Technology Workshop"** at University of Sulaimani on November 10-14, 2012.
- 6- **"Staff Development Training for Medium Level Leader"** of the University of Duhok, November 24-29,2012.
- 7- **"Tens of Scientific and Industrial Test Visits"** to ABB, Schneider & Nexans Electric companies in Turkey, for Testing Low Voltage and Medium Voltage Transformers, Low Voltage and Medium Voltage Panels and Cables, in additions to Elevators and Control Systems.
- 8- **"Summer School Training in Cyprus"** UOD with THM Universities held in 4 - 11 Sep. 2018.
- 9- **"Workshop for Review of Engineering studies in Kurdistan Universities"** held in Erbil 17-18 Sep. 2018.

Affiliation (Memberships):

- Member of **IEEE** Iraqi Group for 2008.

- Consultant Electrical Engineer, Member of **Kurdistan Engineers Union.**

Quality Assurance:

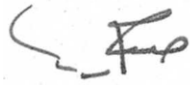
Academic Year	Students' Feedback(5)	Teachers' Portfolio(5)	Continuous Education
2011-2012	4.37 A	4.2 B	86 A ⁺
2012-2013	4.30 A	4.36 B	125 A ⁺
2018-2019	4.59 A*	4.5 A	142 A*
2019-2020	A	Pass	Pass

Acknowledgment

Granting 24 thanks and appreciation during his academic service

Languages:

- a. Kurdish (mother Language)**
- b. Arabic, Perfect in writing, reading and speaking**
- c. English, good in writing, reading and speaking**



Signature: