



CURRICULUM VITAE
Professor K. AL ABDULLAH Aleppo University (Syria)-Phd

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1-Actual Situation and address

- Prof at the faculty of Electrical and Electronic Engineering Univ .of Aleppo
- **Head of**Laboratory of microelectronics for Researches Scientific (LMRS).

Faculty of Electronic and Electric Engineering

University of Aleppo – Aleppo - Syria.

Date of berth : 10-07-1955, AL Jarieh-der-Ezzor , Syria **Nationality**

II-diplomas,

- Diploma of Electrical and Electronic Engineering – Specialty Electronic in 1979-1980
- 1986-1987: student,, University of Limoges , DEA electronic, Communications Optics
- 1988-1991: PhD / Doctor of Electronics, University of Toulouse- France.

III-Responsibilities (functions, dates)

- **Chef Electronic department from 2003 to 2005 and from 2010 to 2012 (1000 students)**
- **Dean Of Faculty of Electronic and Electric Engineering at the university of Aleppo from 2012 to 2015(9400 students).**
- **Head of Electronic for researches from 1995 till now.**

IV-Committee scientific member :

- 1- Week of of sciences 1995 in Syria -
- 2-Comple2000 at Bayreuth- Liban

- 3- Completes 2003 In Aleppo Syria.
- 4-Congress of Renewable at the university of Aleppo 2011.
- 5- Reviewer and member of thesis " at the university of Perpignan-France in 20/12/2005()
- 6-Reviewer at the journal of researches Of university of Aleppo (science direct, Journal of Electron Devices)

V- Editing of Books.

1-Electronic Engineering Module 2, for 3th year specialty: Communication, 1996– Publications of the University of Aleppo.

2-Integrated Circuits, for 4th year, specialty Communication+ automatic 1997, Publications of the University of Aleppo.

3-Electronic devices, 2d year, specialty Communication+ automatic 2005, Publications of the University of Aleppo .

4- Optoelectronic for 3ed year- Electronic department 2013- Publications of the University of

5- Electronic circuits , 2d year, Communication, Is in printing -2015.

1-Electronic Engineering Module I, for 3th year specialty Communication+ Automatic since 1993 tell now

6--Electronic Engineering Module II, for 3th year specialty Communication+ Automatic since 1993 tell now

7-Instrumentation and Measurements for 3 year at Private ITTIHAD University since 2004 tell now

6- **Digital Electronics** at Private ITTIHAD University since 2004 tell now.

Mobility at out of Syria :

VI- Mobility for Researches:

- since 1995: 1month /year in France (: Invitation by Embassy)
from 1995to-1999 In Toulouse (Mutual Researches , entre French Universities and Aleppo Univ
- From 1999- 2005 :Toulouse+ Perpignan (characterization of solar cells + characterization of semiconductors and components:)

VII-Formation :

- Follow A scientific course for high level given by the Embassy of de France .In France at the month of December 1999...
- An IMG (mobility) Tempus –for one month in France at the month 'April 2004 N Ordre : SY3017-2003
- Follow A scientific course for high level . given by FRANCOPHONY AGENCY for training in the university of TOULOUSE and PERPIGNAN in France at the month of novembre2005 (ref. AUF/p6/1027PR/2005162)
- Follow a high level scientific course . Given by the Embassy of France .In France at the month of November 2006

VIII-Honors:

- Membership of Professional engineering syndicate
- Membership of Syrian Informatics Association (Active member)
- : Membership of Syrian Inventors Association (founder).

IX-SUPERVISION

- **Past Directions for Master Work:** Supervisor for 5 Master .
- **Past Directions for PhD work:** For 5 students from the Aleppo Univ. and 1 student at Toulouse Univ. (France Univ.)
- **Actual Direction:** 2 Thesis for Phd Work :one for Elaboration of ZnO- based varistors in nano Powder. **And the second For Elaboration Infra Red detector in nano powder.**

X-PUBLICATIONS

- **X-1-Congress:**

Number of publications:

Participation at Congress and communications (30 congress)

- **Publications (selection) :**

1-Khalaf Al Abdullah and Bui Ai, “ **Heterogeneity investigation of ZnO based varistors by ac impedance measurement**” Elsevier Sciences publishers Symposium A2- Solid State ionic: North Holland, (Amsterdam, London, NewYork, Tokyo) 1992,623

2-Khalaf Al Abdullah, « **Elaboration des matériaux ferroélectrique CTP à base de titanate de Barium BaTiO3, et la variation de leurs résistances avec la températures** »34^{eme} semaine de la sciences, Université de Tishreen –Lataqui- Syria, 1994.

3-Khalaf, Alabdullah, « Application des thermisteurs et varisteurs pour la protection des charges électrique « 35^{eme} semaine de la sciences, Université de damas, 1995

4- K ; Al Abdullah, « **Contribution à la Fabrication des Varistances à base d`oxyde de Zinc à haute tension en vue de la protection Electrique et Electronique contre la Surtension** »1^{er} congrès international, sur les sciences des Matériaux, - Liban collaboration avec France – Beirouth-1996

5-P. Mialhe, ,A; Khoury and Khalaf Al Abdullah, “-Solar cell operation under light concentration “

The 7TH international Energy conference and Exhibition ENERGEX97

6-K. Abullah , « **Influence du Bismuth Bi, et le cycle de frittage Sur Le Comportement Electrique des varistances à base de ZnO** », . 1^{er} congrès international, sur les sciences des Matériaux, - Liban collaboration avec France – Beirouth-1998

7-A; Khouri, P. Mialhe, K. Al Abdullah, “**Solar radiation aging effects on electronic devices**” The 7TH international Energy conference and Exhibition ENERGEX 98- Bahrain -1998,

8 Khalaf Al Abdullah, »**contribution à la fabrication des varistances en vue de la protection des systèmes électriques contre la surtension, en utilisant des impuretés de silicium,** » 38^{eme} sem. sc., AL BATH –1998.

9-K. Al Abdullah, » **Influence du Bismuth (Bi) et du cycle thermique, de frittage, sur le comportement électrique des varistances à base de ZnO,** »- Complex2003- 19-21 octobre 2003 Alep –Syrie

10-khalaf. Abdullah, « **varistances polytechniciennes à base de semi-conducteurs, d'oxyde de Zinc et d'étain (ZnO+SnO₂) pour la protection de l'environnement industriels et des systèmes électriques contre la surtension** » Complex2003- 19-21 octobre 2003 Alep –Syrie

11- **international Congress** In Damascus «exposition International Of AL BASSEL for the inventions and the intellectual property », from 1997 to 2002 → **6 medially of 'Gold**, 1 for each time.

X-2-Papers in refereed journal: (60 papers)

internationals Journal (Selection).

1- K. Al Abdullah and, Bui, Ai, Loubière, " **low frequency and low temperature behaviour ZnO based Varistor by ac impedance measurements**", j. Appl. Phys., 1991

2--K. Al Abdullah, Bui Ai and A Luoubiere, T. Ming" Impulse degradation analysis of ZnO based varistor by ac impedance measurements" J. phy D, 1992

3-Khalaf Al Abdullah and Bui Ai, " **Heterogeneity investigation of ZnO based varistors by ac impedance measurement**" Solid State ionic: North Holland, (Amsterdam, London, NewYork, Tokyo) 1992,62

5- khalaf Al Abdullah, » **Influence du lithium (Li₂CO₃) sur la tension du seuil des varistances,** » Journal des recherche scientifique Liban, 2000.

6- A K HARIRI, K. AL ABDULLAH, Leila Kassas, « **Etude Du comportement Electrique du cellule solaire par les mesures des impédances complexes,** » journal des recherches de l'université d'Alep, 1999

7- khalaf Al Abdullah, Leila kassas, A W Doudari, « influence de la lumière sur le comportement du cellule solaire » journal des recherches de l'université d'Alep, 2000

8-Khalaf Al Abdullah, » **Influence du recuit , des impuretés, et le facteur du temps sur le comportement électriques des varistances** », journal des recherches de l'université d'Alep, Vol 45- 2005

9- Khalaf AL Abdullah-« **Varistances poly cristallines a base de (ZnO+ SnO₂), En Vue de protection des systèmes Electriques contre la surtension** », journal des recherches de l'université d'Alep, Vol 45- 2005

10- Khalaf Al Abdullah, A; Sharam, et Ahmad AL- Hassan » **Amélioration de la performance des varistances à base de matériaux céramiques pour l'électronique , (ZnO) par les impuretés,** » journal des recherches de l'université d'Alep, Vol 45- 2005.

11- Khalaf Al Abdullah, « **contribution à la fabrication des varistances à Base de SnO₂,** » journal des recherches de l'université d'Alep, Vol 45- 2005

12- Khalaf Abdullah." Influence du recuit et ,impuretés et le temps du travail sur le comportement électrique des varistances (ZnO),en vue d'amélioration de leur performances" journal des recherches de l'université d'Alep, Vol 43- 2005

13- khalaf Al Abdullah, Ahmad Al Hasan, «**influence of sommes impurities on *the ceramics for electronic, SnO2 based varistors for Amelioration of performance of*** electrical net work “ J; of researches of university of Aleppo; N50- 2006

14- *K. AL Abdullah, *A. Al Hasan, **P. Mialhe, and *A. Sharam " **Influence Of Bi, Li, And Nb-Impurities On Electrical Behavior Of ZnO/Sno₂ Based Varistors For Improving The Performance Of The Over-Voltage Protection System-** J.Phys.D. 2006

15- K. AL Abdullah and W.OURABI, **Simulation d'un systeme Photovoltaique en vue de transfert de l'énergie Solaire en énergie Electrique, en poursuivant la puissance Max,des cellules solaire.**

J; of researches of university of Aleppo; N53- 2007

16-K.ALABDULLAH , P.Mialhe**, and .B .BAKKOUR," High injection effect and the minority carrier distribution". J. of researches of university of Aleppo; N53- 2009

17- K.AL ABDULLAH and B.L.HAYEL , " Influence of Barium Titanate" BaTiO₃" on the Electrical Behavior of ZnO Based Varistors , for using in the system protection from sudden overvoltage". J. of researches of university of Aleppo. Vol.74 2009.

18- K.AL ABDULLAH , A.BATAL and W.HAJ ISMAIL, " Influence of Al₂O₃ impurities, on the Electrical properties of ZnO based Semiconductor" J. of researches of university of Aleppo. Vol.64 2009.

19- K.AL ABDULLAH, M.SHAHID, "Simulation and conception Of band filter at high frequency by the using S-Parameters Matrix , journal of researches of the university of Aleppo, Vol 78- 2010

19- K.AL ABDULLAH and B.L.HAYEL , " Influence of Barium Titanate" BaTiO₃" on the Electrical Behavior of ZnO Based Varistors , for using in the system protection from sudden overvoltage". J. of researches of university of Aleppo. Vol.74 2009.

20- K.AL ABDULLAH , A.BATAL and W.HAJ ISMAIL, " Influence of Al₂O₃ impurities, on the Electrical properties of ZnO based Semiconductor" J. of researches of university of Aleppo. Vol.64 2009.

21- K.AL ABDULLAH, M.SHAHID, "Simulation and conception Of band filter at high frequency by the using S-Parameters Matrix , journal of researches of the university of Aleppo, Vol 78- 2010

22-K.AL ABDULLAH and L Hayel" the influence of Barium Titan "BaTiO₃ on the Behavior of ZnO based Varistor for using it as a protection element form the high voltage and current surge – . Research journal University of Aleppo " No.47-2009,

23-K.AL ABDULLAH, "Contribution in amelioration of performance the non linear polycrystalline elements Varistor in the protection on using the (Mn₂O₃, V₂O₅)"- Research journal University of Aleppo " No.76- 2009,

24-K.AL ABDULLAH and B Bakkour "Modeling of the behavior of solar cell under high injection effect conditions " (Elsevier-Science Direct)-2012.

23 K.AL ABDULLAH and Bashar BAKKOUR ,- Optimization Of Impurities "Bi₂O₃,Nb₂O₅,MnO₂,Co₃O₄.Cr₂O₃,NiO, Ce₂O₃,and La₂O₃" to improve the ZnO based varistor nonlinearity- Jour- Energy Procedia Elsevier-Science Direct)-2012

25-K.AL ABDULLAH and B Bakkour,"Influence of the charges recombination in the region depletion of PN junction on the performance of solar cell for different concentration of the sun light" journal University of Aleppo " No.76-2009,.

26 -K.AL ABDULLAH, F ALLOUCH, " Study of the Effect related to the electric reverse stress current on the mono-Si-Solar cell electrical parameters"- Vol. 36. 2013, p: 104-113, Energy Procedia.

27- The Influence of Reduction of the accumulation of charges in the saturation region of the electronic Ceramic, Jour Of Aleppo researches , Series N: 12 - 2013

28- K.AL ABDULLAH and F .ALLOUCH, Influence of temperatures on Parameter of the Mono crystalline Si-solar cell "journal of University of Aleppo " No.114-2014,2014

29- K Al Abdullah and Fouad Omar" Studying the optimal performance of the ZnO-based varistors using artificial intelligence":journal of Electron devices 2014

30 - K..AL ABDULLAH , A.BATAL and W.HAJ ISMAIL, " Influence of Al₂O₃ impurities, on the Electrical properties of ZnO based Semiconductor" J. of researches of university of Aleppo. Vol.64 2009.

31- K.AL ABDULLAH , A.BATAL and W.HAJ ISMAIL "Structural and electrical properties of ZnO embedded in PANI solvent"- Journal of Electron Devices, Vol. 21 , 2015, pp. 1869 -1873

32- K. AL ABDULLAH and R.HAMDAN,"Study and Development of the Carbon Nano Tube Planar Field Effect Transistors (CNTFETs"), Journal of Electron Devices- (JED [:2016 ISSN- 1682 -3427]

XI-PATENTS:

International patent . : N4710 « Creation of Semi-conductor device for protection of the electrical and-Electronic from over charge on using a new impurities « .

XII- International Coordination

- **1- Coordinator Of TEMPUS project: JEP34064 MDALEP2006-SY-TEMPUS**
- **2-Coordinator Of TEMPUS project: MAPEC -SY-TEMPUS-2011-2015**

XIII My Future Project

- **1- I Am ready To create an industry for elaborating a electronic devices for the protection of the electrical and Electronic Systems against the overload (lightning surge arresters and the high voltage protection).**

XIV-1-Lagunage: Arabic (Maternelle langue)

2- English (Speaking and Reading+ writing)

3- French (Speaking and Reading+ writing)

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