

## **The Curriculum Vitae**

### **PERSONAL DETAILS**

Name: Alaa Aladdin Abdel-Hamead

Birth: Iraq - Baghdad

Nationality: Iraq

Religion: Muslim

Marital Status: Married

Address : Iraq – Baghdad

E-mail: aDr.Alaa@yahoo.com

Place of work: University of Technology – Materials Engineering Dep.

Languages spoken: Arabic – English

**General competence:** Material Technique

**Specialization competence:** Coating alloy and Powders

**Science degrees:** Assistant Professor

Order was issued promotion to the level of Assistant Professor on 24/11/2011 and considered from the date of 1/9/2011

Date of appointment at 22 -12-2000

### **Academic REC**

- B.Sc. Material Sciences. Graduated in 1997, University of Technology, Baghdad.
- MSC Material Sciences. Graduated in 2000, University of Technology Baghdad.
- Ph.D Material Technology. Graduated in 2006, University of Technology Baghdad.

### **❖ work in a computer : -**

Experience in various computer programs: SOFTWARE & INTERNET

### **Any Activities:-**

From 2000- till now this time included the following:

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### **1- TEACHING:**

(different subjects).

- Physical Engineering
  - Powders Technology
  - Surfaces Engineering
  - Mathematics
  - Ceramic Materials Technology
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- Composite Materials Engineering

## **2- SUPERVISOR AND TEACHING IN LABORATORIES:**

- Powders Lab.
- Strength of Materials Lab.
- Polymers Lab.
- Coating Lab
- Ceramic Materials Technology Lab.
- Composite Materials Lab.

## **3- SUPERVISOR OF GRADUATE STUDENTS PROJECTS:**

(projects are Advanced Search at the last six years)

## **4- ACKNOWLEDGMENT No.9**

	<b>Donor</b>	<b>Date</b>	<b>No.</b>
Publish Research	chancellor	5/2/2014	1
Carnival sovereignty	chancellor	3/7/2013	2
Lecture early checkup of breast cancer	Dep. Dean	24/6/2014	3
Appraisal work in department	Dep. Dean	8/9/2013	4
Graduation day Show	Dep. Dean	7/5/2013	5
Carnival sovereignty	Dep. Dean	9/5/2013	6
Gallery Advance Coat Application	Dep. Dean	25/4/2012	7
Putting Lec. On Dep. Web site	Dep. Dean	21/12/2008	8
Inauguration materials Eng. Dep.	Dep. Dean	2001	9

## **5- COMMITTEES:**

a member of several committees on the This time, including:

- Committee of examination for under graduate studies
- Commission summer training for students.
- the Commission evaluate of work within the laboratory
- Commission Cultural Season
- Commission on the put of lectures on the Internet
- Committee of Supervision
- Committee of Research estimation

- Committee of to correction Master sheet
- Committee of Self-Assessment and quality ABET.
- Committee symposia and conferences.
- Committee Student Affairs and educational guidance.

## **6- SUPERVISION FOR STUDENTS IN MATERIAL ENGINEERING:**

### **• Supervision on thesis for M.Sc.:-**

- 1- Fabrication of micro tubes from powder by cold spray
- 2- Fabrication of anti weather surface (superhydrophobic) by powder coating
- 3-Fabrication and characterization of Gas detector
- 4- Fabrication and characterization of nano powder for Industrial Application.

### **• Supervision on different thesis for P.HD.**

- 1- Studying the Effect of Nano additives on Cement Coating for Building Application .

## **7- RESEARCHES AND BOOKS**

### **❖ Researches:-**

- a- Published research in many scientific fields inside and outside Iraq

IRAQI JOURNAL OF CHEMISTRY ,Vol. 27,No.2,2001	Study the effect of weather conditions on the films of gold alloy and pure and prepared in electroplating	<b>1</b>
IRAQI JOURNAL OF CHEMISTRY , Vol. 27,No.2,2001.	Study the effect of deposition process parameters on the structure of films and pure gold alloy	<b>2</b>
<i>Journal of Engineering and Technology</i> 2002 ,Vol. 21,No.5,2002	A study of some mechanical properties of the thin films pure and alloy gold deposition and prepared in electroplating method	<b>3</b>
Um-Salam Science Journal (2005 ) Vol.2, No (2).	Structural and mechanical properties of the films nickel (Ni) and prepared in a thin ion-spray	<b>4</b>
Baghdad Journal of Science (2010)Vol. 7 No. 3.	Study the effect of annealing on some properties of synthetic films and visual CdS: In/Cu <sub>2</sub> S	<b>5</b>
<i>Nahrain University Journal of Science</i> (2011),Vol.14,No.2,June	Investigation the annealing temperature on some optical and structural properties of AlNiCo films"	<b>6</b>
e-Journal of Surface Science and Nanotechnology ,THE SURFACE SCIENCE SOCIETY OF JAPAN, Vol. 4 (2006) _.	Preparation and characteristics study of ZnO: (Al, Cu, I) thin films by chemical spray pyrolysis	<b>7</b>
IOP/	Studies on fabrication and	<b>8</b>

PUBLISHING, SEMICONDUCTOR SCIENCE AND TECHNOLOGY .Vol23 (2008) 075030(6pp)_.	characterization of a high-performance Al-doped ZnO/n-Si(111) heterojunction photodetector	
Conference on Nanotechnology 2009 (SCNAMA2009)	Preparing Polyester– Bentonite clay Nanocomposite	9
(Iraqi Journal of Mechanical Engineering and Materials Engineering) .2010, Vol.10, No.2	Study of Same Mechanical Properties of $Al_2O_3$ Ceramic Thin Film Prepared by Spray Pyrolysis Method.	10
Journal of Engineering and Technology (Vol.27, No.16, 2009)	Study Some of the Structure Properties of $ZrO_2$ Ceramic Coats Prepared by Spray Pyrolysis Method.	11
(Engineering and Materials Engineering), Special Issue (E) 2009	Study of Hardness, Wear and corrosion Resistance of $ZrO_2$ Ceramic Coats Prepared by Spray Pyrolysis Method.	12
Journal of Engineering and Technology (Vol.28, No.12, 2010)	Study the Effect of Co Concentration in NiCo Thin Films on Some Structure and Mechanical Properties	13
Journal of Khwarizmi Engineering September 2011, Volume: 7 Issue: 1	Study the Effect of Using Doekhla kaolin clay and Alumina to Iraqi Bauxite on Same of there Physical and Mechanical and Thermal Properties	14
Journal of the United Arab Emirates Engineering ISSUE 16-2 Vol.17(1), 57-61(2012)	Preparing Polyester– Bentonite clay Nano composite and study Some of its Mechanical Properties	15
Conference of the International Chemical Engineering Jordan VI, Jordan Engineers Association and the American Institute of Chemical Engineers ALChE.	Fabrication $Al_2O_3$ Nano Powder and study some of physical properties	16
Iraqi Journal of Physics Vol.10, No.18, pp.29-34, 2012.	Study the effect of $TiO_2$ Nano-Powder on some Surface Properties of Sinless Steel	17
Journal of Engineering and Technology Vol.30, No.19, 2012	Fabrication of Te micro-tubes and $TeO_2$ micro-wires from powders by cold spray	18
Journal of Engineering and Technology Vol.31, Part (A), No.12, 2013	Study some properties of $SnO_2$ thin film	19
International Journal of Application or Innovation in Engineering & Management (IIAIEM) Volume 3, Issue 7, 2014	Mechanical Properties for Polyester resin Reinforce with Fe Weave Wire	20
Iraqi Journal of Physics Volume 12, No.24, September 2014	Effect of Annealed Temperature on some Structural, Optical and Mechanical Properties of Selenium Thin Film	21



## b- **Books:**

1- Fabricating ZnO/n-Si by Chemical Spray Pyrolysis Technique

LAP LAMBERT Academic Publishing: 2012

2- Fabrication Te and TeO<sub>2</sub> Thin film for Gas Sensors.

LAP LAMBERT Academic Publishing: 2014

## 8- **RESEARCH REVIEW:**

A review of several research journals send from the (inside and outside of Iraq).

## 9- **CERTIFICATES**

No.	Certificate	The donor	Year
1	Certificates for participation in research	Babylon University - College of Engineering	2009
2	Certificates for participation in research	Conference Nanotechnology in the first University of Technology	2009
3	Certificates for participation in research	Third Conference on Nanotechnology at the University of Baghdad	2011

## 10- **PARTICIPATE IN CONFERENCES**

1- Chemical Association Conference 2002 / Participated with a research.

2 - Conference Babylon University - College of Engineering 2009 Participate research

3 - the Conference Nanotechnology in the first University of Technology 2009 Participate research.

4 - Third Conference on Nanotechnology at the University of Baghdad 2011 participation research.

- 5- Jordanian Chemical Engineering Conference the sixth Conference (AIChE) in Amman (chemists Engineers Association and the American Institute of Chemical Engineers 2012, participation research
- 6- The 1<sup>st</sup> International Conference on Phesics for Sustainable Development (ICPSD) 2014.

## **11- PARTICIPATION AND ATTENDANCE**

- The presence of several scientific conferences in the fields of science and engineering Pure and Applied.
- The presence of many seminars.
- The presence of many episodes of scientific debate.

## **12- TRAINING COURSES:**

**Making TRAINING** at the Center for Continuing Education

- 1- Use modern coatings to reduce the agents weather conditions and dust on the networks, the Internet and cameras and Stlaitat 3013.
- 2 -Detector and its applications in the fields of medical and oil industries in 2014.
- 3- Materials Recycling Industrial in 2014.

### **Associating in TRAINING**

- 1- Course in methods of teaching 2010 / continuous education / University of Technology.
- 2- Course in not devastating tests 2000 / continuous education / University of Technology.
- 3- Courses in the computer program

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### **Professional Memberships:**

- Nano-technology society
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## **❖ RESEARCH DIRECTIONS:**

Ceramic coating - coating TCO - alloy coating - Production of nano-powders -  
Measuring nano-laser - laser hardening - detectors and silicon solar cells.

