

## **Curriculum Vitae**

**Name : Zainab Raheem Muslem**

**Place of birth: Iraq – Baghdad**

**Nationality : Iraqi**

**Married status : married**

**Adress: Baghdad University /Jadiah / Baghdad / Iraq**

**Educational background :**

<b>B.Sc.</b>	<b>1994</b>	<b>Baghdad University/ College of Science/ Physics Dept.</b>
<b>M.Sc.</b>	<b>1996</b>	<b>Baghdad University/ College of Science/ Physics Dept.</b>
<b>Ph.D.</b>	<b>2013</b>	<b>Baghdad University/ College of Science/ Physics Dept.</b>

**Field of interest :**

**Numerical analysis, Material Science, Polymer and Composites**

**Postulant present:**

**Assistant professor /Baghdad university/ college of science/ physics department/Baghdad / Iraq**

**Pervious position :**

**1-M.Sc. student in Physics Dept.-College of Science-Baghdad University 1993-1996.**

**3- Lecturer in Physics Dept.-College of Science-Baghdad University  
1997-2003**

**4- Assistant professor in Physics Dept.-College of Science-Baghdad  
University 2005 till 2013.**

**5-Prof. in (2015).**

**Teaching Experience:**

**Undergraduate**

**Material science**

**Phase transformation**

**Nanotechnology**

**Fracture mechanics**

**Numerical analysis**

**Computer science**

**Conferences:**

**1- 1<sup>st</sup> scientific conf. of physics / College of Science /Baghdad  
University (26-28 march) 1996.**

**Effect of humidity and specimen thickness on the interlaminar  
fracture toughness of glass fiber reinforced polyester composites.**

**2-1<sup>st</sup> national conf. of physics/ College of Science /Baghdad University  
(22-23November) 2001.**

**Effect of fiber orientation on the thermal conductivity.**

**3-3<sup>rd</sup> Scientific Conf. of Physics/College of Science/ Al-Nahrene  
University (19-20 June) 2001.**

**4-The effect of blending on the mechanical behavior of Ps/Ep blends.**

**- 1<sup>st</sup> proceeding in nanotechnology in the college of science ,university  
of Baghdad 15-4-2008**

**Effect of uv light on optical properties of PET and PI**

**5-2<sup>nd</sup> proceeding in material science and thin film in the college of  
science ,university of Baghdad 15-10-2008**

**Effect of uv light on the mechanical properties of polyester thin film**

**6-Interlaminar fracture toughness of nano and micro SiO<sub>2</sub> in glass fiber/epoxy composites , , 2<sup>nd</sup> Science Conference on nanotechnology and its application ,2011.**

### **Research**

**1- Study of the optical conferences of CdTe thin films prepared by flash evaporation**

**Hussain K.Al-lamy and Z.R. Al- shammry**

**Iraqi J.Sci.vol.40C ,no.4,1999**

**2- The estimation of Thermal conductivity for Glass fiber reinforced polyester composite material**

**H.I.Jaffer and Z.R. Al- shammry**

**Iraqi J.Sci.vol.41C ,no.1,2000**

**3- The effect of annealing on some properties of PC/Si composites**

**Z.R.Al- shammry**

**Iraqi J.Sci.vol.42C ,no.1,2001**

**4-The effect of annealing on the energy gap of PI and PET**

**A.K.Abdullah , H.I.Jaffer and Z.R.Al-shammry**

**Accepted in no.526 in 16/6/2004**

**5-The effect of gamma –ray radiation on the energy gap of polymer doped with dyes**

**Z.R. Al- shammry**

**Nat. J.of physics .vol.42C ,no.1,2001**

**6-The thermal conductivity of carbon / Epoxy and graphite / Epoxy composites**

**Z.R. Al- shammry & A.K.Abdullah**

**accepted in no.528 in**

**7-1<sup>st</sup> proceeding in nanotechnology in the college of science ,university of Baghdad 15-4-2008**

**Effect of uv light on optical properties of PET and PI**

**8-The effect of TiO<sub>2</sub> on the tensile properties of PC and PS polymers**

**Z.R. Al- shammry**

**Vol.7,no.9,pp63-66,2009.**

**9- photo stability of PMMA-TiO<sub>2</sub> micro and nanocomposites**

**Vol.7,pp6-10,2009.**

**proceeding of 3<sup>rd</sup> scientific conference of the college of science  
,university of Baghdad 24-26 march 2009**

**10- effect of uv –curing on the flexural stress of PU/EP blends**

**H.I.Jaffer ,Z.R.Muslem**

**11- the mechanical behavior for 80% epoxy/20% polyurethane blends**

**Fondazione Giorgio Ronchi,Anno LXIV,NO.2-MARZO-APRILE  
2009**

**12- Water absorbtion of denture base polymer reinforced with glass fiber in Chopped and woven from CSASC English , Vol. 4 , 4<sup>th</sup>  
Scientific Conf. 2009**

**13- effect of TiO<sub>2</sub> addition on the thermal conductivity of  
PMMA,PC and PS polymers**

**F.J.KADIM,Z.R.MUSLEM,A.KASEM**

**VOL.8,NO.12,PP29-32,2010**

**14- Influence of water absorption on fatigue crack growth behavior  
in chopped and woven – glass fibers – reinforced PMMA denture**

**Harith I. Jaffer , Zainab R. Muslem**

**National Sci. Conf. on Physics April 14-15 ,2010**

**15- Water absorbtion of denture base polymer reinforced with glass fiber in Chopped and woven from CSASC English , Vol. 4 , 4<sup>th</sup>  
Scientific Conf. 2009**

**H.I. Jaffer & Z.R. Muslem PP 68-72**

**16-Influence of water absorption on fatigue crack growth behavior in chopped and woven – glass fibers – reinforced PMMA denture**

**Harith I. Jaffer , Zainab R. Muslem**

**17-Effect of nano and micro SiO<sub>2</sub> weight percent on Interlaminar fracture toughness of woven roving/ Epoxy composites**

**Harith I. Jaafer and Zainab R.Muslem**

**The University of Baghdad ,College of Science ,Phy.Dept.**

**Nano conf. 2011**

**18- The Mechanism of Crack Propagation in mid Plane Layer of Laminated Composites**

**British Journal of Science October 2012, Vol. 7 (1)**

**19-**

**دراسة تأثير السمك على قيمة طاقة التكسر الطبقيّة للبولي استر غير المشبع المسلّحة بالالياف الزجاجية**

**حارث ابراهيم الشمري زينب رحيم مسلم رزاق حميد يوسف  
جامعة بغداد – كلية العلوم – قسم الفيزياء**

**مؤتمر وزارة الصناعة والمعادن 2013**

**20-Thermal conductivity of glass fiber- epoxy composites reinforced with nano and micro silica particles**

**Scientific conf. /Karbala university 2013**