

Academic Resume

Personal Information:

NAME: **Firas**
LAST NAME: **Al-Obaidi**
SEX: **MAN**
DATE OF BIRTH: **JULY, 1977**
PLACE OF BIRTH: **BAGHDAD, IRAQ**
NATIONALITY: **IRAQI**
LANGUAGE: **ARABIC/ ENGLISH / PERSIAN**



Contact Information

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Education

- **2015:** Ph.D. in Materials Science and Engineering, Sharif University of Technology, Tehran, Iran.
- **Ph.D. Dissertation Title:** "Synthesis and Properties of Porous PZT-PCN Piezoelectric Ceramics", supervised by Dr. A. Nemati (Assoc. Prof.) and Dr. R. Bagheri (Assoc. Prof.)
- **October 2000-2003:** M, Sc. in Applied Sciences , University of Technology, Baghdad, Iraq
- **M.Sc. Thesis Title:**"Effect of the Environmental Conditions on the Fracture Mechanism for Hybrid Polymer Composites", supervised by Dr. B. M. Deya (Assoc. Prof.)
- **June 1996-2000:** B, Sc. in Materials Engineering, Technical College, Baghdad, Foundation of Technical Education
- **B.Sc. Thesis Title:** "Effect of the environmental Conditions on some properties of Epoxy", supervised by Dr. B. M. Deya (Assoc. Prof.)

Honors/Awards

- A Certificate of Appreciation from the Iranian Science Minister Deputy in the **13th Graduation Ceremony for Non-Iranian Students in Shiraz, Iran (2015)**
- A Certificate of Appreciation from the Iraqi Cultural Center in Tehran, Iran
- The rank in B.Sc. was 1 from 20.

Publications

- Firas Fouad Abdullah, Ali Nemati, R. Bagheri (2015), "**Dielectric and piezoelectric properties of porous PZT-PCN ceramics sintered at different temperatures**", *Materials Letters, ELSEVIER*, 151, pp. 85-88.<http://www.sciencedirect.com/science/article/pii/S0167577X15003882>
- F.F. Abdullah, A. Nemati* and R. Bagheri "**Synthesis and characterization of porous PZT-PCN ceramics**" *journal of ceramic processing research* Vol 16 , No 5, pp1-6 (2015)
- Firas Fouad Abdullah, Balkis Mohammed Deya, Aoham Mohammed Hamed (2002), "**The environment effect on Behavior of the Epoxy Composites**" *Journal of Engineering and Technology*, University of Technology, Vol. 21, No.6, pp. 170-173. [In Arabic].
 - Firas Fouad Abdullah, Balkis Mohammed Deya, Aoham Mohammed Hamed (2002), "**Study of the impact Behavior of Laminated Composites in Different Environments**" *Journal of Engineering and Technology*, University of Technology, Vol. 21, No.10, pp. 1079-1081. [In Arabic].

Conference Presentations

- **Paper with oral presentation:** November 2014, "**Synthesis and micro-structure of dense and porous PZT-PCN Ceramics**", *Advances in Materials and Processing Technology Conference (AMPT 2014)*, UAE, Dubai.

Courses

- Qualification Certificate in **Teaching Methods** from the College of Education, University of Mustansiriya, Baghdad, Iraq

Experiences and Skills

- ***Teaching and Teaching Assistantship:***
- Teacher Assistant, "**Composite Materials**", Department of Materials Engineering, Technical College, Baghdad, Foundation of Technical Education (2003-2004).
- Teacher Assistant, **Polymer and Composite Lab**, Department of Applied Sciences, Technology University, Baghdad, Iraq (2005-2006).
- Teacher Assistant, **Physical Lab**, Department of Physics, College of Education, University of Mustansiriya, Baghdad Iraq (2006-2007).
- Teacher Assistant, "**Mathematics**", Department of Physics, College of Education, University of Mustansiriya, Baghdad Iraq (2006-2007).
- ***Experimental and Lab. Skills***
- Ability to perform and analyze piezoelectric, dielectric and physical properties of ceramic materials;
- Ability to operate and analyze the results of different analytical instruments such as X-Ray;
- Ability to operate and analyze the results of different microscopes such as Scanning Electron Microscopy (SEM), Transparent Electron Microscopy (TEM) and Optical Microscope;
- Ability to analyze the results of Differential Scanning Calorimetry (DSC), Differential Thermal Analysis (DTA) and Thermal Gravimetric (TG) instruments;
- Ability to do any mechanical tests and analyzing the results.
- ***Computer and Programming Skills***
- General software: Microsoft Office (word, Excel, Power Point)

- ***Language skills:***

- English, Persian (Farsi)

- ***Research Interests***

- *Advanced Engineering Ceramics*
- *Ceramic Piezoelectric Materials*
- *Polymer Piezoelectric Materials*
- *Composite Piezoelectric Materials*
- *Polymer Toughening Methods*

Referees

- ***Associate Professor, A. Nemati***, Department of Materials Science and Engineering, Sharif University of Technology, Tehran, Iran, Phone: +98-2166165223, E-mail: Nemati@sharif.edu
- ***Professor, R. Bagheri***, Department of Materials Science and Engineering, Sharif University of Technology, Tehran, Iran Phone: +98-2166165207, E-mail: rezbagh@sharif.edu
- ***Professor, S.K. Sadrnezhaad***, Department of Materials Science and Engineering, Sharif University of Technology, Tehran, Iran Phone: +98-2166165215, E-mail: sadrnezh@sharif.edu [http:// Sadrnezhaad.ir/sk](http://Sadrnezhaad.ir/sk)