

CV Summary



1. Personal Information:

Name: Dr. Ziyad Shihab Ahmed Al-Sarraj

Degree: PhD in Materials Physics

Other: Postdoctoral Fellowship of Iraqi Scientists - University of California - San Diego - Department of Mechanical and Aerospace Engineering (MAE) ,Nanoscale Research – laboratory/ ISFP -United States 2013.

2 . Place and date of birth: Iraq - 1959

Nationality: Iraqi

:Residential address

Baghdad / Al–Saadoun Street/ District 101, alley 87, house 9/27

Mobile: 07517188626

Email: ziyad.s.alsarraj@uruk.edu.iq , mooncraftw9@gmail.com

Job title and previous place of work:

Expert - First Class / Retired

Current job title and place of work:

Lecturer - Department of Medical Physics / Faculty of Science / University of Uruk

2. Qualifications:

<u>Certificate</u>	<u>Jurisdiction</u>	<u>Graduation Year</u>	<u>The university of</u>
1-Ph.D .	Materials Physic	1998	Baghdad,College ofScience, Phys. Dept.
2. MSc.	Applied Physics	1986	Technology(UOT), Appl. Sc. Dept.
3. BSc.	Physics	1981	Mosul – College of Science, Phys. Dept.

3. Thesis's Presented:

® Ziyad Shihab Al-Sarraj; "A study of the physical properties of some rare earth-uranium mixed oxides" 1986, master's thesis, restricted for publication.

® Ziyad Shihab Al-Sarraj; "Friction Behavior of Copper-based Composite Materials", 1998, PhD thesis.

4. Previous tasks and job positions:

o 1986-2003 Scientific researcher in the field of nuclear ceramics, glass, advanced ceramics and their composites. IAEC,

o 2003-2019 Work as Center Director, Assistant Eng. Center, department director, division official, scientific staff member.

o 2007 - 2011 and 2019-2020 National Coordinator with the International Atomic Energy Agency - Technical Cooperation Projects

o 2008-2024 Patent Examiner registered with the Directorate of Patents and Industrial Designs under the classification (C22, C23, B82). Central Organization for Standardization and Quality Control - Ministry of Planning.

o 2015 - 2024 Expert Member of the Technical Committee for Ceramic and Glass Products (LF5) - Central Organization for Standardization and Quality Control - Ministry of Planning

5. Some areas of work and experience:

◀ Secretary of the Central Promotions Committee at Ashure University for two terms.

◀ Member of the Scientific Committee and Council of the Biomedical Engineering Department - Ashur University

◀ Head of the Scientific Committee at the Faculty of Pharmacy - Ashur University

◀ Member of the Preparatory Committee for Science and Technology Policies in Iraq after 2003

◀ Member of the preparatory body for the first conference on alternative and renewable energies 2010.

◀ Manufacturing and testing ceramic parts for laboratory furnaces up to 1100°C.

◀ Member of the Metal Technology Advisory Board before 2003.

◀ Member of the Powder Technology Advisory Board before 2003.

◀ Obtained an internal quality auditor certificate before 2003.

◀ Using small nuclear accelerators as a nuclear analytical tool to study advanced materials, archaeological materials, and art after 2003 within projects with the International Atomic Energy Agency.

◀ Manufacture of various parts using powder metallurgy (P/M) methods.

◀ Measurements Techniques of the coefficient of friction and wear of materials.

Diagnosis and analysis of X-ray diffraction patterns (XRD) of materials.

◀ Use spark plasma sintering as a new novel techniques for dental nano ceramic composites sintering

6. Teaching and activity in universities:

-  Teaching Biomedical physics and electromagnetic fields in the Department of – Biomedical Engineering Ashur University.
-  Faculty member teaching medical physics at the Faculty of Pharmacy – Ashur University
-  Developing details of the curriculum and teaching materials of advanced ceramics for several years for fourth-year students at the Baghdad Technical College/Department of Glass and Ceramic Engineering, in addition to supervising the practical ceramics preparation laboratory at the college.
-  Developing a curriculum and teaching for a period of two years) the subject of forming processes for ceramic materials) / Department of Glass and Ceramic Engineering – Second Stage/ College of Technology – Baghdad
-  Developing a curriculum and teaching one year of Biomedical Materials for first year students- Materials Branch/ Department of Applied Sciences/ University of Technology.
-  Developing a curriculum and teaching Super Alloys for 3 years) Doctoral course (Materials Branch – Department of Applied Sciences – University of Technology.
-  Supervising 8 doctoral and 3 master's students in the field of materials at different universities.
-  Supervising fourth-year student's graduation projects) at the University of Technology, Materials Branch) and in the Technical College / Department of Glass and Ceramic Engineering.
-  Participation in discussion committees For many master's and doctoral theses at the .University of Basra, Mosul, Technology University, and Baghdad
-  Member of the University Lecturer's Association since 2004

7. The most important courses he participated in in the scientific, administrative and planning fields:

- * Study (with workshops) + theoretical course in Trieste / Italy - Center for Theoretical Physics of the International Atomic Energy Agency / on composite materials and advanced ceramics 1989.
- * Middle-Level administrative leadership course before 2003 with Excellent Degree.

- * Training in the field of using small nuclear accelerators in the field of art and antiquities materials, sponsored by the International Atomic Energy Agency in 2007 outside the country.
- * Decision-making method course for scientists and engineers by applying data analysis using EXCEL programs under the supervision of specialized professors from the University of California and Intel Company 2009-2010 Iraq - Baghdad.
- * A course on methods of preparing nuclear accelerator models Samples to analyze models of ancient historical coins and ceramic materials from Iraqi antiquities from different eras in 2009, sponsored by the Arab Atomic Energy Authority.

8. Preparing, sharing and publishing a group of research in journals and conferences inside and outside the country.