

Curriculum Vitae

Prof.Dr. Wafaa M.Salih

Personal Information

Surname: Salih

Given Name: Wafaa Mahdi Salih

Birth Date: 18/10/1970

Birth Place: Baghdad

Nationality: Iraqi

Gender: female

E-mail:- wafaa.m.salih@uotechnology.edu.iq ,

Profession: [Assistant lecturer – from 2000]

[Senior lecturer - from 2007]

[Assistant Professor- from 2014]

[Prof. -from 2021]



Felid of interests:- composite materials

University Graduation

1. **B.Sc. in Technical Education – 1993 - UOT, Baghdad ,Iraq**
2. **M.Sc. in Technical Education – 2000- UOT, Baghdad ,Iraq**
3. **Ph.D. - in Technical Education – 2007 - UOT, Baghdad ,Iraq**

Thesis

- **Ph.D. THESIS** Nonlinear Dynamic Of Thick Composite Plates With Effect Of Shear And Rotary Inertia
- **M.Sc.** التقنية العلمية لدراسة وتحسين الخواص الصوتية لمنظومة عدم غازات المحرك

Academic Posts

- 1- Supervisor of three Ph.D. thesis
- 2- Supervisor of six M.Sc. thesis
- 3- Supervisor of B.Sc. projects
- 4- Organizing many courses at Continuing Education Center (UOT)
- 5- Participating and attending many conferences and workshops within and outside of the institution (UOT) and out of Iraq
- 6- Member of graduate studies committee at Dept. of materials Engineering in (2013 – present)
- 7- Member of postgraduate studies committee at Dept. of materials Engineering in (2014 –present)
- 8- Scientific referee for many journals and conferences

Other posts

- Participating and attending many conferences and workshops in Ministry of transportation

Teaching Experience

Faculty of university of technology ,at Centre of training and workshops ,then in Materials engineering

From	to	job description
1- 1994	2000	Trainer
2- 2000	2007	Lecturer
3- 2007	2011	Lecturer + Manager Of Training Center Of Training And Workshops + Member Of Training Committee
4-2011-2013		Member Of Many Committee (Quality Assurance Committee – Job Description And Organizational Structures Committees).
5-2011-2013		Director Of Quality Assurance And University Performance
6- 2011-now		Faculty at Department of Materials Engineering

Conferences

- Conference and Workshops In Quality Assurance. In Egypt 2-3/9/2012
- Conference And Workshops Quality Assurance And Accreditation In Higher Education Organized By Institute Of International And Education IIE in Irbil 29-31/1/2012
- The 1st International Conference on Engineering and Innovative Technology, College of Engineering at Salahaddin University-Erbil

Papers

1	Manufacturing of thermal and acoustic insulation from (polymer blend/recycled natural fibers)	2020
2	The Influence of the Inclusion of Nano Ceramic Particles on the PMMA Composite Properties for Biomaterials Applications	2023
3	Preparation of Micro Barium Titanate Powder and Comparison with Nano Powder Properties	2021
4	Development the Mechanical Properties of the Acrylic Resin (PMMA) by Added Different Types of Nanoparticles, Used for Medical Applications	2021
5	Improvement in corrosion behavior of Al–Ti alloy by adding 2 wt% magnesia and 1 wt% silicon carbide	2017
6	A novel design of lower vehicle arm based on optimization technique	
7	Mechanical properties of chemical treated jute fiber reinforced polymer composites	2020
8	Some mechanical and physical properties of cement mortar reinforced by steel wires of scrap tires	2019
9	Anodic inhibitor doped polypyrrole coating to reduce corrosion in petroleum medium	2017

10	Study the Effect of adding Natural Rubber and Polymethyl Methacrylate to the Epoxy Resin on the Quantitative Analysis and its Mechanical Properties	2017
11	Diffusion of Salt Water and Alkaline Solutions in Polyester Reinforced by Glass Fibers	2012
12	The effect of time variation on the wear sliding behavior of composites	2009
13	THE EFFECT OF SINTERING AND CORDIERITE ADDITIVES ON THE PHYSICAL AND MECHANICAL PROPERTIES OF MULLITE BASED CERAMICS PREPARED FROM IRAQI RAW MATERIALS	2001
14	Effect of Fiber Length and Chemical Treatment on Wear Rate of the Natural Reinforced Polymer	2022
15	Preparation and studying of some properties of polymer blend reinforced by natural powder	2021
16	Preparation and study of flexural strength and impact strength for hybrid composite materials used in structural applications	2020
17	Effect of adding nanoparticles from zirconia or alumina on some mechanical properties of the ternary polymer blend	2020
18	STUDY THE EFFECT OF SOME MECHANICAL BEHAVIOR FOR CHEMICALLY TREATED NATURAL FIBER BASED POLYMER COMPOSITES	2017
19	Investigation of Some Mechanical Properties of Ternary Polymer Blends Based on Polypropylene	
20	Studying the tensile, flexural and impact properties of hybrid nano-composite reinforced by luffah fiber, used for prosthetic socket	2022
21	Enhancement of the characteristics for polymeric blend (PMMA/UP) used in socket prosthetic	2022
22	Comparision study between hot DIP galvanizing steel and coated steel used in oil storage tank and oil pipe transportation	2017
23	Manufacturing of Thermal and Acoustic Insulating from (White Cement and Hemp Short Fibers) by using Recycled Paper	2017
24	COMPARATIVE STUDY BETWEEN SPECIFICATIONS OF TWO GROUPS OF THE TERNARY POLYMER BLEND USED IN STRUCTURAL APPLICATIONS	2017
25	Effect of Heat Treatment on Corrosion Behavior of Al-4Ti/MgO-SiC Composite	2016
26	Effect of tempering on thermal analysis of Al-Ti-Si alloy and its composites	2016
27	Improving the performance of polyvinyl chloride with added natural extracts for medical storage	2024
28	In Vivo and In Vitro Biological, Histopathological and Mechanical Investigations of Modified PMMA with Different Nano-additives in Rabbit Model	2024
29	Effect of chitosan and natural materials on properties of polyvinylchloride for blood bags applications	2024
30	Estimation the Properties of Polymer Matrix Reinforced with Plants Extract Used for Medical Fluid Bags	2024
31	The effect of coffee beans powder particle additive on the mechanical properties of glass fiber reinforced polymer composite	2024

32	A studying of some mechanical properties of epoxy-Tamarind seeds hybrid composite	2023
33	Study the mechanical properties of Barium Titanate (BaTiO ₃) Nanopowder doping with silicon dioxide (SiO ₂)	2022
34	Physical properties of Nanopowder ceramics doped with silicon dioxide	2022
35	Preparation and Studying of Some Mechanical Properties of Polymer Blend	2020
36	Evaluating the effect of some mechanical properties for chemically treated various natural fibers reinforced polyester composite	2018
37	Study the effect of diffusion properties for chemically treated fiber reinforced polyester	2016
38	تأثير اضافة المطاط الطبيعي لراتنج الالكاييد على بعض الخواص الميكانيكية	2014
39	STUDYING THE EFFECT OF TEMPERATURE ON THE DIFFUSION OF ALKALINE SOLUTION IN POLYESTER REINFORCEMENT BY FIBERGLASS	2013
40	Effect of Adding Zirconia and Alumina Nanoparticles on the Tensile and Flexural Properties of Polymer Blend Based on Polypropylene	2009
41	Nonlinear Dynamics of Thick Composite Laminated Plates Including the Effect of Transverse Shear and Rotary Inertia	2008
42	Study of the Physical Properties of Barium Titanate (BaTiO ₃) Nanopowder Doping with Silicon Dioxide (SiO ₂)	2021
43	Effect of Heat Treatments on Microhardness and Roughness of Al-4Ti/1wt% MgO Composite	2016
44	The effect of time variation on the wear sliding behavior of composite.	2008

Awards

- **Many acknowledgment letters from 1994-2017**
- Certificate from India 2009
- Certificate from USA 2013
- Certificate from World Bank 2012
- Certificate from Egypt 2012
- Certificate from KUFA University 2011
- Certificate from Institute Of International And Education IIE 2011
- Certificate from many departments in UOT from 2008-2014
- Certificate from Iraqi university 2016
- Certificate from Salahaddin University-Erbil 2016
- Certificate from Iraqi university 2017
- Certificate from international conference 2018 (was a session chair for TMREES18)
- Certificate from international conference 2018 (as a Researcher in TMREES18)

Post graduation Activates

Number of Supervised M.Sc. Thesis: 16

Number of Supervised PhD. Thesis: 8

Number of M.Sc. Discussion Panels (Discluding Supervision): 2035

Number of PhD. Discussion Panels (Discluding Supervision): 15

Training Course

- 1- International Training Programmed On Standardization And Quality Assurance For Developing Countries. Training In India From 12/10/2009 - 4/12/2009
- 2- Conference and Workshops In Quality Assurance. In Egypt 2-3/9/2012
- 3- Workshops Lessons Learned From Benchmarking University Governance In Mena. Organized By world bank . In Morocco 10-11/12/2012
- 4- Conference And Workshops Quality Assurance And Accreditation In Higher Education Organized By Institute Of International And Education IIE . in Irbil 29-31/1/2012
- 5- Workshops In “Lessons Learned From Benchmarking University Governance In Mena “ from 10-11/12/2012 established by the world bank
- 6- Participate in a training program for women working in the field of science, technology, engineering and mathematics for a month in the United States in 2013.
- 7- The 1st International Conference on Engineering and Innovative Technology, College of Engineering at Salahaddin University-Erbil

Memberships in society

- Membership- Iraqi Engineers Union - Consultant