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Professional summary

Adaptable assist. prof. with experience for more than (16) years in education and researching fields, with many published researches. Skilled in managing traditional and online courses.

Experiences

- Lecturer in University of technology since January-2007
- Academic lecturer for subjects includes; composite materials, MATLAB, Advanced mathematics, engineering and analytical analysis, heat treatment and phase transformation, semiconductors materials
- Supervision for many MSc post graduate students.
- Reviewer and discussion membership for many MSc and Ph.D. degree theses
- Author of more than 15 published scientific researches in metals, ceramic and polymers, sustainable and eco-friendly materials fields
- researches reviewer for many international conferences and scientific journals.
- Participating in many local and international conferences.

Education

Ph.D. University of Technology / materials engineering / Iraq / Baghdad	July - 2016
M.SC. University of Technology / materials engineering / Iraq / Baghdad	September-2006
B.Sc. University of Technology / materials engineering / Iraq / Baghdad	September-2003

Thesis

1. **Ph.D.** Modeling and preparation of ceramic-metal stepwise functionally graded materials for IC engine piston
2. **M.Sc.** construction electrochemical polishing system and studying the electrochemical polishing process for brass and duralumin alloys.

Published Researches

1. Enhancing mechanical properties of 2024-Aluminium Alloy Matrix Composite strengthened by Y2O3 ceramic particles
2. Preparing eco-friendly composite from end-life tires and epoxy resin and examining its mechanical, and acoustic insulation properties
3. Evaluation of the performance of eco-friendly concrete using waste tire rubber
4. Developing Crumbed Rubber Tires / Epoxy Composite, by Surface Treatment with Different Silane Coupling Agents

5. Stability and thermal conductivity of different Nano-composite material prepared for thermal energy storage applications
6. Effect of the Waste Rubber Tires Aggregate on Some Properties of Normal Concrete
7. Manufacturing of Thermal and Acoustic Insulation From (Polymer Blend/Recycled Natural Fibers)
8. THE EFFECTS OF ADDING NANO ZrO2 ON THE PHYSICAL AND SOME MECHANICAL PROPERTIES OF CEMENT PASTE
9. Preparation and studying of some mechanical properties of polymer blend
10. Mechanical Properties Evaluation of Cold-Curing Acrylic Resin Reinforced by Banana Peels' Fibers.
11. Effect of nanomaterial addition on the thermophysical properties of Iraqi paraffin wax
12. Some mechanical and physical properties of cement mortar reinforced by steel wires of scrap tires.
13. Study of Some Properties for Cold-Curing Acrylic Resin Reinforced with Nano Yttrium Oxide.
14. Study the Effects of Adding Yttrium Oxide Particles in Some Physical, Thermal, and Mechanical Properties of Heat-Curing Acrylic Resin.
15. Design and Preparation of stepwise functionally graded materials used for internal combustion engine piston applications.