

CURRICULUM VITAE



Prof. Dr. Aseel Basim Al-Zubaidi (Al-Gharani)

Address and Contact Details

Permanent Address Al-Baidha District, Mahalla 323, Avenue 13,
House 6/1, Baghdad, Iraq
Present Address Department of Materials Engineering, University of
Technology, Sinaa Street, Baghdad, IRAQ
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Qualification:

Ph.D. Physics, nano powders Al-Mustansiriya University, Baghdad, Iraq, Sep. 2006.
M.Sc. Physics, optics physic, Al-Mustansiriya University, Baghdad, Iraq, April 2002.
B.Sc. Physics, sciences materials, Al-Mustansiriya University, Baghdad, Iraq, July 1999.

Teaching Experience:

Nov. 2007 – Present Teaching at the Department of Material Engineering,
University of Technology, Baghdad, Iraq.
Jan 2002 – Nov. 2007 Chief Researcher at Material Science Unit, Ministry of
Science and Technology, Baghdad, Iraq.

Patents:

1. Fabrication drencher bones from natural materials. **Aseel B. Al-Zubaidi**, zuhair jabar,eshraq abed al razaq. C.O.S.Q.C. IRAQ (2022).
2. Self-Healing of Mortar type(N)Cracks by using Pathological Bacteria, **Aseel B. Al-Zubaidi**, lina abass naser,inoor Ibrahim, C.O.S.Q.C. IRAQ (2021).
3. Cementation of Oil Well from Eco- Friendly Waste Natural Materials, **Aseel B. Al-Zubaidi** ,Mervait Mahdi, Rasha abood, Hanaa gareer, C.O.S.Q.C. IRAQ (2020).
4. Paper waste recycling for fabrication of prosthetic limbs. **Aseel B. Al-Zubaidi**, Abeer Mansour,eng. mokalad ,C.O.S.Q.C. IRAQ (2018).
5. Manufacture of Green Cement Concrete from Industrial Wastes. **Aseel B. Al-Zubaidi**, Kadum shebeeb muttar and Inoor jan C.O.S.Q.C. IRAQ (2018).
6. Manufacturing of a corrosion-resistant from ceramic nano composites for space applications, **Aseel B. Al-Zubaidi**, Fadel abass. tamara kadem C.O.S.Q.C. IRAQ.,(2017).
7. Substitute manufacturing materials resistant to erosion /corrosion of the airframe and propellers of ships & boats marine composed of nano materials composites **Aseel B. Al-Zubaidi**, Emad Saadi Al-Hassani, Marwa subhi Patent number:B64C2001/0072,Y02T50/433 (2017)
8. Formulation of composite matrix of silver micro –particle amalgam/plyviny1 alcohol gel resin as new application of composite dental supports and filling. **Aseel B. Al-Zubaidi**, ragad osama abbas.falak osama abbas. C.O.S.Q.C. IRAQ. Patent number:A61K6/0014,4716 (2016).
9. Coating of laboratories drainage pipes and oil products pipes with erosion-resistant composite materials reinforced with carbonates and natural wastes. **Aseel B. Al-Zubaidi**, Emad Saadi Al-Hassani, Reem Alaa Mohamed, C.O.S.Q.C. IRAQ. Patent number: C09D127/12, C09D163/00, F16L58/10, (2016).

Publications:

- **Articles**

1. Production of Agro-waste cement Composites: Influence of nutshells on mechanical and hardened properties, AT Noaman, MS Abed, L Al-Gebory, **AB Al-Zubaidi**, AA Al-Tabbakh, *Construction and Building Materials* 394, 132137, 2023.
2. Synthesis of bio-Composite hybrid materials from natural waste, N Mohammed, FJ Al-Hasani, **AB AL-Zubaidi**, *AIP Conference Proceedings* 2787 (1), 2023.
3. Synthesis, characterization, and study of the influence of energy of irradiation on physical properties and biologic activity of nickel ferrite nanostructures, GM Abdelghani, **AB Al-Zubaidi**, AB Ahmed, *Journal of Saudi Chemical Society* 27 (2), 101623, 2023.
4. Synthesis, characterization, and the influence of energy of irradiation on optical properties of ZnO nanostructures, GM Abdelghani, AB Ahmed, **AB Al-Zubaidi**, *Scientific Reports* 12 (1), 20016, 2022.
5. SELF-HEALING OF MORTAR CRACKS: THE ROLE OF HUMAN PATHOLOGICAL BACTERIA, LAN Al-Timimi, MN Al-Shroofy, AA Jan, **AB Al-Zubaidi**, *THE IRAQI JOURNAL FOR MECHANICAL AND MATERIALS ENGINEERING* 22 (1), 29-41, 2022.
6. Genipin Cross-Linked Chitosan/Polyvinyl Alcohol blend for Biomedical Engineering, IA adhim, **ABA Zubaidi**, ZJ Abd Alameer, FM Hameed, AW Sadeq, *Indian Journal of Forensic Medicine & Toxicology* 14 (3), 1656-1662, 2020.
7. Production of Self-Cleaning SiO₂/CNT Nanoparticles Substituted Cement Mortar, L Al-Gebory, **A B Al-Zubaidi**, A A Al-Tabbakh, *Engineering and Technology Journal* 38 (3), 335-342, 2020.
8. Investigation of the Effect of Waste Materials on the Properties of the Composite polymer , Reem Alaa Mohammed*, Marwah Subhi Attallah, **Aseel B. Al-Zubaidi**, Layth Al-Gebory, *Revue des Composites et des Matériaux Avancés (ISSN 1169-7954)* V.32,,N4,P191-197, 2022
9. Incorporation of Iraqi Rocks in the Production of Eco-Friendly Cement Mortar, **Aseel B Al-Zubaidi** , raownaq Mahdi, hassan hashem. *Engineering and Technology Journal* Vol. 38, Part A (2020), No. 10, Pages 1522-1530
10. Fabrication green concrete by Recycled wastepaper, Shatha R Ahmedizat, **Aseel B Al-Zubaidi**, Ahmed A Al-Tabbakh, *IOP Conf. Series: Materials Science and Engineering* 870 (2020) 012146. IOP Publishing.
11. Recycling wastepaper papercrete to produce green concrete, **Aseel B Al Zubaidi**, Shatha R Ahmedizat, Ahmed A Al-Tabbakh, *IOP Conf. Series: Materials Science and Engineering* 870 (2020) 012138, IOP Publishing.
12. Synthesis and Characterization of Chitosan- Polyvinyl alcohol Blend Modified by Genipin and Nanohydroxyapatite for Bone Tissue Engineering, Ishraq A. kadhim, Zuhair J Abdul Ameer and **Aseel B Alzubaidi**, *Engineering and Technology Journal*, Vol. 37, Part A, No. 11, 2019.
13. investigation of Chitosan Film Degradation in Tissue Engineering Applications, Ishraq A Kadhim, Zuhair J Abdul Ameer and **Aseel B AL-Zubaidi**, *IOP Conference Series: Materials Science and Engineering*, 3rd International Conference on Engineering Sciences, 671 012060, 2020.
14. The Mechanical Properties of Green Cement Mortar Dip-Coated with Polyurethane Polymer, Shatha R. Ahmed, Mena F. Khdeher & **Aseel B. Al-Zubaidi**, *Journal of Mechanical Engineering Research and Developments*, Vol. 43, No. 2, pp. 239-246, 2020.
15. Production of Self-Cleaning SiO₂/CNT Nanoparticles Substituted Cement Mortar, Layth Al-Gebory, **Aseel B. Al-Zubaidi**, Ahmed A. Al-Tabbakh, *Engineering and Technology Journal* Vol. 38, Part A, No. 03, Pages 335-342 (2020).
16. Recycling of Waste Paraffin Wax by the Addition of SiO₂ Nano-Powders to Improve Thermal Conductivity, **Aseel B. Al-Zubaidi**, *Engineering and Technology Journal* Vol. 37, Part A, No. 9, 2019.

17. Cementation of Oil Wall from co- Friendly Waste Natural Materials, Mervit Mahdi, **Aseel B. Al-Zubaidia** and Hanaa A. Al-kaisy, 2nd International Conference on Materials Engineering & Science (IConMEAS,AIP Conf. Proc. 2213, 020292-1–020292-7,2019
18. Coating of Oil Pipes Products Pipes with Erosion-Resistant Composite Materials Reinforced with Carbonates and Natural Wastes , **Aseel B. AL-Zubaidi** and Reem A. Mohamed,journal of petroleum and studied,25(9),2020.
19. Employing recycling materials for the fabrication of smart mortar, Alaa A. Abdul Hamead, Sura S. Ahmed, Shatha R. Ahmed Azzat, Mayyadah S. Abed, **Aseel B. Al.Zubaidi**, Ghufraan K. Hammod, *Materials Today: Proceedings* 20 420–427, (2020).
20. Comparative study of erosion wear of glass fiber/epoxy composite reinforced with Al₂O₃ nano and micro particles, Shatha Riyadh Ahmedizat, **Aseel Basim Al-Zubaidi**, Ahmed A. Al-tabbakh, Amine Achour ,Alaa Abdul Hamead , *Materials Today: Proceedings* 20 420–427,(2020).
21. Analyzing Mechanical Properties of Silica Gel Filled with Carbon Fiber into Polymeric Composite. Reem Alaa Mohammed **Aseel B. AL-Zubidi**, Marwah Subhi Attallah, *Journal of University of Babylon for Engineering Sciences*, Vol. (27), No. (3): 2019.
22. Enzymatic degradation of chitosan blend for tissue engineering application, Ashraq A. Kadhm, Zuhair J. Abd Alameer, and **Aseel B. Al. Zubaidi**, *AIP Conference Proceedings* 2123, 020017 (2019); <https://doi.org/10.1063/1.5116944>,Published Online: 17 July 2019
23. Flexural, compressive and thermal characterization of hybrid composite materials, Marwah S. Attallah, Reem Alaa Mohammed, and **Aseel B. AL-Zubidi**, *AIP Conference Proceedings* 2123, 020084 (2019); <https://doi.org/10.1063/1.5117011>, 17 July 2019.
24. RECYCLING OF WASTE SILICA GEL AND LIMESTONE IN IRAQI GREEN CONCRETE AND COMPARISON WITH MICRO AND NANO SILICA, **Aseel B. Al-Zubaidi**, ahmed algabban, zahraa fakir, *Hahotexgo jurnal, Construction materials, Russia N.11*, p.36-42, 2018.
25. Crystallite size and lattice strain of lithiated spinel material for rechargeable battery by X-ray diffraction peak-broadening analysis, Ahmed A. Al-Tabbakh, Nilgun Karatepe, **Aseel B. Al-Zubaidi**, *Int J Energy Res.* 2019;1–9. [wileyonlinelibrary.com/journal/er](http://www.wileyonlinelibrary.com/journal/er) John Wiley & Sons, Ltd. (2019)
26. Recycling waste papers in green cement mortars, **Aseel B. Al-Zubaidi**, *Iraqi Journal of Physics*, Vol.17, No.40, PP. 135-144,2019
27. Effect of Nano SiO₂ and Nano CaCO₃ on The Mechanical Properties, Durability and flowability of Concrete, Ahmed Al-Gabanne, **Aseel B. Al-Zubaidi**, Zahraa fakir, *IOP Conference Series: Materials Science and Engineering*, *IOP Conf. Ser.: Mater. Sci. Eng.* **454**, 012016, 2018
28. Study of the Effect of Recycled Ash Wastepaper on the Mechanical Properties of green Concrete, **Aseel B. Al-Zubaidi**, nahid Mahmood, afrah kalid, *IOP Conference Series: Materials Science and Engineering*, *IOP Conf. Ser.: Mater. Sci. Eng.* **454**, 012035, 2018.
29. Preparation and characterization of LiCo_{0.5}Ni_{0.45}Ag_{0.05}O₂ Cathode material for lithium-ion battery, Adawiya J. Haider · Ahmed A. Al-Tabbakh · **Aseel B. Al-Zubaidi** · Russel A. Rsool, *Journal of Materials Science: Materials in Electronics*,2018.
30. Effect of natural fibers on mechanical properties of green cement mortar, **Aseel B. Al-Zubaidi**, *AIP Conference Proceedings* **1968**, 020003; doi: 10.1063/1.5039162(2018) Lebanon. Beirut
31. Pozzolanic Activity and Durability of Nano Silica, Micro Silica and Silica Gel Contained Concrete ,Ahmed al-Gaban, **Aseel B. Al-Zubaidi**, zahraa fakri, *AIP Conference Proceedings* **1968**, 030019; doi: 10.1063/1.5039206,(2018) Lebanon. Beirut.
32. Effect of Nano Carbon Tube on the Mechanical and Physical Properties of Composites Based on Resin Route, **Aseel B. Al-Zubaidi**, Emad saadi and marwa subhi, *Engineering and Technology Journal*, Vol. 36, Part A, No.4, 2018.
33. A Study of the Effect of Recycled Mix Glass on the Mechanical Properties of Green Concrete. **Aseel B. Al-Zubaidi**, Kadhum Muttar Shabeeb and Aynoor Ibrahim Ali Jan *Journal of University of Babylon, Engineering Sciences*, Vol.(26), No.(2): 2018.

34. Mechanical and Physical Properties of Nano Carbon Tube with Carbon Fiber Reinforced with Polyester Resin, **Aseel B. Al-Zubaidi**, Emad saadi and marwa subhi, Engineering and Technology Journal, Vol. 35, Part A, No. 5, pp. 465-472, 2017.
35. Study the effect of recycled glass on the mechanical properties of green concrete. **Aseel. Basim Al-Zubaidi** ,kadum muuttar shabeeb and aynoor Ibrahim ali, international Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, TMREES17, 21-24 April 2017, Beirut Lebanon, **Science Direct** .AL seveir journal Energy Procedia 119/680-692.(2017)
36. Synthesis and Characterization of PorousCaCO₃ Micro/Nano-particles. A. Achour,a, A. Arman,b, M. Islam, A.A. Zavarian, **A. Basim Al-Zubaidi**, and J. Szade. THE EUROPEAN PHYSICAL JOURNAL PLUS132: 267.(2017).
37. Mechanical and physical properties of carbon nano tubes with kevlar fiber reinforced with polyester resin. **Aseel B. Al-Zubaidi**, Emad saadi and marwa subhi. Iraqi Journal of Physics, Vol.14, No.31, PP. 71-80(2016).
38. Thermal Behaviour of Paraffin Wax/Poly Vinyl Alcohol Composite Material. **Aseel B. Al-Zubaidi**, Falak O. Abas, Raghad A.Abass, Nazir J. Abdalradia, Al-Khwarizmi Engineering Journal,Vol. 12, No. 2, P.P.18-26(2016).
39. Comparison Study of Erosion Wear and Hardness of GF/EP with Nano and Micro SiO₂ Hydride Composites. **Aseel B. Al-Zubaidi**, Fadhle A. Hashim, Tamara Raad, The 5th International Scientific Conference for Nanotechnology and Advanced Materials and Their Applications ICNAMA 2015 (3-4) Nov.2015.
40. Erosion Wear Behavior of Micro Material Reinforced Polymer Composites. **Aseel B. Al-Zubaidi**, Fadhle A. Hashim, Tamara Raad, International Journal of Scientific and Engineering Research 7(2), Feb. 2016.
41. Recycling Glass Powder and its Use as Cement Mortar Applications, **Aseel B. Al-Zubaidi**, International Journal of Scientific and Engineering Research 7(3) March-2016.
42. Recycling Carrot Powder as Mortar for Cement Replacement, **Aseel B. Al-Zubaidi**, Engineering and Technology Journal 33A(6), 1473 (2015).
43. Erosion Wear Behavior of Industrial Material Reinforced Epoxy Resin Composites and its Coating with Natural Based Material. **Aseel B. Al-Zubaidi**, Emad Saadi Al-Hassani, Reem Alaa Mohamed, Engineering and Technology Journal 33A(4), 902 (2015).
44. Synthesis and Properties of a Spinel Cathode Material for Lithium Ion Battery with Flat Potential Plateau, Ahmed A. Al-Tabbakh, N. Kamarulzaman, **Aseel B. Al-Zubaidi**, Turkish Journal of Physics 39, 187-198 (2015). **Scopus Indexed Journal**
45. Influence of Coating with Some Natural Based Materials on the Erosion Wear Behavior of Glass Fiber Reinforced Epoxy Resin. **Aseel B. Al-Zubaidi**, Emad Saadi Al-Hassani, Reem Alaa Mohamed, Al-Khwarizmi Engineering Journal 11(2), 20- 30 (2015).**Impact factor: 0.998.**
46. Recycling Waste Biomaterials as Low-Cost Mortar for Cement Replacement, **Aseel B. Al-Zubaidi**, International Journal of Scientific and Engineering Research 6(5), (2015). **Impact factor: 3.2.**
47. Mechanical and Thermal Properties of Cockles Shell Cementing Material, **Aseel B. Al-Zubaidi**, Ahmed A. Al-Tabbakh, Ragad U. Abass, Nazar Jabbar, Iraqi journal of physic 13(26), 107-111 (2015).
48. Effect of Nature Materials Powders on Mechanical and Physical Properties of Glass Fiber / Epoxy Composite, **Aseel B. Al-Zubaidi**, Imad Al-Hasani, Reem Alaa. Engineering and Technology Journal 33A(1), 175 (2015).
49. Study Mechanical Behaviors Rice Husk Ash and Carrot Powders as Mortar for Cement Replacement. **Aseel B. Al-Zubaidi**, Ahmed A. Al-Tabbakh, Raghad U. Abass, Eman A. Hameed, International Journal of Innovative Science, Engineering and Technology 2(3), March 2015. **Impact factor =1.07**

50. Effect of Addition Bio Filler (Beans Shell powder) Reinforcement by Polyester Composites. **Aseel B. Al-Zubaidi**, Falak U. Abass, Raghad U. Abass, International Journal of Scientific and Engineering Research 6(2), February (2015). **Impact factor: 3.20**
51. Thermally Treated Rice Husk Ash for Cement Replacement. **Aseel B. Al-Zubaidi**, International Journal of Innovative Research in Advanced Engineering 2(1) (2015). **Impact factor: 1.035**
52. Effect of Industrial Powder on Mechanical Properties of Glass Fiber Reinforced Epoxy Composite. **Aseel B. Al-Zubaidi**, Imad Al-Hasani, Reem Alaa, Iraqi Journal of Physics 12(25), 8-24 (2014).
53. Corrosion Behavior of Amalgam/Cockles Shells Composites in Artificial Saliva. Rana Afif Majed, **Aseel B. Al-Zubaidi**, Ahmed A. Al-Tabbakh, International Journal of Engineering Sciences and Research Technology 3(12), (2014). **Impact factor =2.114.**
54. Correlation of Attainable Capacity and Lithium Distribution in spinel Cathode Compounds for Li Rechargeable Batteries. Ahmed A. Al-Tabbakh, **Aseel B. Al-Zubaidi**, N. Kamarulzaman, Proceeding of ICPSD conference, College of Science, Al-Nahrain University, 28-30 Oct. (2014).
55. Effect of Industrial Powder on Mechanical Properties of Glass Fiber Reinforced Epoxy Composite. **Aseel B. Al-Zubaidi**, Emad Al-Hasaney, Reem Alaa, Iraqi Scientific Journal of Physic, 12(25), 8-24 (2014).
56. Mechanical and Thermal Properties of Cockles Shell Cementing Materials. **Aseel B. Al-Zubaidi**, Ahmed A. Al-Tabbakh, Ragad Osama Abbas, Nazar Jabar Abed Al-Reda, Iraqi Scientific Journal of Physic 13(26) (2014).
57. Combined Particle Size Distribution and XRD Measurements for Investigation of Electrochemical Capacity of Spinel and Layered Structures for Li Ion Batteries. Ahmed A. Al-Tabbakh, **Aseel B. Al-Zubaidi**, N. Kamarulzaman. Energy Materials Nanotechnology Spring Meeting, Las Vegas, Nevada, USA (2014).
58. Mechanical, Thermal and Wear Characteristics of Polymer Composite Material Reinforced with Calcium Carbonate Powder. **Aseel B. Al-Zubaidi**, Ahmed A. Al-Tabbakh, Hanaa Al-Qaessy, Ragad Al-Kaseey, Proceeding of Fourth Scientific Conference of University of Technology, 32B(3) (2014).
59. Effect of Tempering on Wear Rate of 100Cr Steel, Khansa Al-Shamari, **Aseel B. Al-Zubaidi**, Khalid Hussein. Iraqi Scientific Journal of Material and Mechanical Engineering 11(3) (2011).
60. Preparing Polyester-Bentonite Clay Nanocomposite. Alaa Abdulhamid, **Aseel B. Al-Zubaidi**, Proceeding of First Scientific Conference of University of Technology, (2009).
61. A Particle Method for Production of Foamed Glass. **Aseel B. Al-Zubaidi**, Journal of University of Technology 27(13) (2009).
62. IR Experimental and Theoretical Investigation of Phthalocyanine Substituted with Zn Metal, Muhammed Taqi, **Aseel B. Al-Zubaidi**, Baghdad University Journal (2006).
63. β -Structure Properties of Zn-Phthalocyanine Organic Semiconductor, Muhammed Taqi, **Aseel B. Al-Zubaidi**, Baghdad University Journal (2006).
64. Effect of Partial Coherence Illuminated Bar on Evaluation Technique of Diffraction Image, Hamid Ameen, Hayfaa Ghazi, **Aseel B. Al-Zubaidi**, 15th Scientific Conference of College of Education, Al-Mustansiriya University, (2002).

- **Books**

1. Recycling the materials and their engineering applications, **Aseel B. Al-Zubaidi** , Neveen jamal and shatha reyad, Iraq national library and Archives Registration No.(2730/2016).(2018).
2. Technology of materials , **Aseel B. Al-Zubaidi**, Manar abdul jabbar Najim ,Iraq national library and Archives Registration No.(2730/2016).(2016).

3. Erosion Wear of Composite Materials Reinforced by Different Systems, **Aseel B. Al-Zubaidi**, Emad Al-Hassani, Reem Alaa, Germany (2015).
4. Carbon Nanotubes, Kahtan Al-Khazragi, **Aseel B. Al-Zubaidi**, Rana Afif, Germany (2014).
5. Nanotechnology in our Life, Kahtan Al-Khazragi, **Aseel B. Al-Zubaidi**, Rana Afif, Jordan (2011).
6. Nanotechnology, Kahtan Al-Khazragi, Rana Afif, **Aseel B. Al-Zubaidi**, Jordan (2010). (Recognized as an assisting book for undergraduate and postgraduate studies, Recognition letter, No. 1175 dated on 29.07.2010).

Awards

1. Golden medal in workshop on successful women in chemistry 24/12/2018.
2. Golden neck less for creators in second international conference 30/9/2018.
3. Golden medal in Egypt invent for patents 25/9/2018.
4. Golden medal in Mashhad- Iran invent for patents 25/8/2018.
5. Golden medal in al-Sanaa ministry for patents 29-30/4/2018.
6. Golden medal in al Nagaf al Ashraf with oil ministry for patents 25-26/4/2018
7. Silver medal in middle technique University invents for patents 17-18/4/2018
8. Golden medal in Al- Silimaniya University invent for patents 28-29/3/2018.
9. Bronze medal in al- Ataba al abasiya invent for Iraqi patents 7/4/2017
10. Golden medal in Egypt invent for international patents 1-3/3/2017.
11. Silver medal in oil invent for Iraqi patents 17/11/2016.
12. University medal (no.24/36 dated on 12/1/2016) by University of Technology chancellor
13. University medal (no.832 dated on 27/11/2014) by University of Technology chancellor.
14. Letter of Recognition (No. 849 dated on 1.12.2014) by University of Technology chancellor on desk supervision of first scientific conference for accomplishment of the requirements of the master degree master project with in proposed time.
15. Letter of recognition (No.730) dated on 29/6/2014 by head of nanotechnology and advanced materials, University of Technology for dedication of my publication book.
16. Letter of recognition (No.5353) dated on 8/9/2013 by head of Materials Engineering Department – University of Technology on efforts 2012-2013.
17. Letter of recognition (No.546)date on 12/6/2013) for attending workshop at nanotechnology center and advance materials .
18. Letter of recognition(No.860/8)date on (22/5/2013) by ministry of high education for good and scientific reasserting .
19. Letter of recognition (No. HoD / 166) dated on 13.1.2011 by head of Materials Engineering Department – University of Technology for supervision of networking and internet services.
20. Letter of Recognition (No. 1318 dated on 20.12.2010) by University of Technology chancellor on desk supervision of first scientific conference on nanotechnology and advanced materials (SCNAMA2010) held on 4.11.2010.
21. Letter of recognition (No. HoD / 1626) dated on 29.6.2010 by head of Materials Engineering Department – University of Technology on participation in examining committee.
22. Letter of recognition (No. Chancellor Office / 653 dated 6.4.2009) by University of Technology Chancellor on desk supervision of first scientific conference on nanotechnology and advanced materials (SCNAMA2009) held on 13 – 14.10.2009.
23. Letter of recognition (No. Chancellor Office /319 dated 21.4.2009) by University of Technology chancellor on preparation and organization of second scientific seminar held on 6.4.2009 / University of Technology.

Workshops Attended:

1. Predatory journal and Guide to successful publishing in indexed journals, november29-30,december1,6,15 ,university of Baghdad .Iraq ,institute of international education ,Sweden, 2016.
2. Scanning Probe Microscope (SPM) Workshop, Nanotechnology and Advanced Materials Center, University of Technology, Baghdad, IRAQ, Dec. 28-30. 2010.
3. Workshop on Modern Methods in Conflict Management, the Preparation and Settlement of Claims and Entitlements for Real Estate Companies", Egypt on 15-18.February 2010.
4. Workshop by Association of Friends of French Language, University of Technology, for the period 14-25/09.2008.
5. Workshop on Teaching Methods, University Training and Computer-Assisted Learning", Center of Continuing Education, University of Technology, 02-16. Dec. 2007.

Conferences and Seminars:

1. 3rd International Conference on Engineering Sciences IOP Conference Series: Materials Science and Engineering, BABEL,2020.
2. Technologies and Materials for Renewable Energy, Environment and Sustainability AIP Conf. Proc.,LEBANON,1/3/2019.
3. 1st International Conference on Materials Engineering & Science in Asyut /Egypt (iceat2020)17-18/2/2020
4. 2nd International Conference on Materials Engineering & Science (Icon MEAS 2019),university of technology,24-25/9/2019, Iraq.
5. 1st International science Conference on geophysics and remote sensing (ISCGR-2018),AL KARKH university of science 14-15/11/2018 Iraq.
6. International Conference on the 10 NANO-TECHNOLOGY IN CONSTRUCTION (NTC 2018)13-17 April 2018, Hurgada, Egypt.
7. 1st International Conference on Materials Engineering and Science (Icon MEAS), Held in Istanbul Aydin University – Turkey 08-09 August 2018.
8. Nanotechnology, Advanced Materials and Their Applications, sixth scientific conference, University of Technology, SCNAMA, 2-3/5/2018
9. International Conference engineering fourth and first in sustainable engineering.28-29/3/2018.university of al-Mustansereya university
10. International Conference, technologies and Materials for Renewable Energy, Environment and Sustainability, TMREES18,01-03 February, 2018 //Beirut- Lebanon .published in American institute of physic.
11. First international science conference in Al – Nahrain University /Science College held in 21-22/11/2017.
12. International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, TMREES17, 21-24 April 2017, Beirut Lebanon, published in Science Direct Energy Procedia, Elsevier.
13. Energy materials Nanotechnology Spring Meeting, Rolando, Florida Conference of USA 21-24/2/2016.
14. Nanotechnology, Advanced Materials and Their Applications, fifth scientific conference, University of Technology, SCNAMA, 3-4 Nov. 2015.
15. ICPSD conference ,Al-Nahrain University-college of science ,28-30 oct. -2014.energy material.
16. Is Nanotechnology Spring Meeting, Las Vegas, Nevada Conference of USA 27-30/3/2014.
17. Nanotechnology, Advanced Materials and Their Applications, fourth scientific conference, University of Technology, SCNAMA, 6-7 Nov. 2013.
18. Nanotechnology, Advanced Materials and Their Applications, Second scientific conference, University of Technology, SCNAMA, 3-4 Nov. 2010.
19. Nanotechnology, Advanced Materials and Their Applications, First scientific conference, University of Technology, SCNAMA, 13-15 Oct. 2009.

20. Education College. Department of Physics, Al-Mustansiriya University, 2002.

Extra Curriculum Activities

1. Member of Project Ibn Sina hypothetical(Ibn Sina e-Learning), University of Technology for four years since (9/10/2013,633/ع.م.م
2. Chief of greeting committee for the 2nd scientific conference of Nanotechnology and advance-d Materials, University of Technology, 3-4 Nov. 2010. (Assignment Letter No. 2079 (٢٠٧٩ ع.م.م) Dated on 4.10.2010).
3. Chief Board Representative of Internet, Department of Material Engineering – University of Technology, Assignment letter No. 76HD/2280(٢٢٨٠\هـ.د.٧٦) dated on 27.09.2010.
4. Member of Preparatory Committee, 2nd scientific conference of Nanotechnology and advanced Materials, University of Technology, 3-4 Nov. 2010. Assignment letter No. 351 (٣٥١ ع.م.م) dated on 22.03.2010.
5. Organizing a workshop on destructive and nondestructive measurements for materials ,from12\3-1\4- 2010. University of Technology.
6. Organizing a workshop on preparation methods and assessment of ceramic dyes and Metallic Alloys and their engineering applications, from 4-8.4.2010. University of Technology.
7. Organization of workshop on LASER utilizations in Industrial Applications, from 18-22.4.2010. University of Technology.
8. Member of Examination Committee, Department of Materials Engineering, University of Technology, academic year 2009 - 2010.
9. Chief Board Representative of Internet, Department of Material Engineering – University of Technology, Assignment letter No. 76HD/ 2280 (٢٢٨٠\هـ.د.٧٦) dated on 27.09.2009
10. Chief of greeting committee for the 1st. scientific conference of Nanotechnology and advanced Materials, University of Technology, 13-14 Oct. 2009. (Assignment Letter No. 841 (841 ع.م.م) Dated on 4.10.2009).
11. Participation in reviewing several scientific papers in the field of interest.
12. Member of Examining Committee for Graduation Assignments / Materials Behaviour Committee at Department of Material Engineering – University of Technology, Assignment Letter No. (٢٦٣\هـ.د.ب.٦) dated on 02.02.2009.
13. Member of Symposium Organizing Committee, "The role of materials engineer in supporting the reconstruction and strengthening of the country's infrastructure", Assignment letter No. (١٩١\هـ.د.ب.٦) dated on 21.01.2009.
14. Member of Examination Committee, Department of Materials Engineering, University of Technology, academic year 2008 – 2009.
15. Member Board Representative of Internet, Department of Material Engineering – University of Technology, Assignment letter No. 6B/2113 (٢١١٣\ب.٦) dated on 22.09.2008.
16. Member Board Representative of Internet, Department of Material Engineering – University of Technology, Assignment letter No. 6BHD/1448 (١٤٤٨\هـ.د.ب.٦) dated on 18.11.2007.
17. Chief of Internet, Department of Material Engineering– University of Technology, Assignment letter No. 64444 date on 24/11/2013.
18. Member of conference .workshop and community Department of Material Engineering– University of Technology, Assignment letter No. 64444 date on 24/11/2013.
19. Member of Ibin Cena project (Ibin Cena project for electronical education) University of Technology, Assignment letter No. 633 date on 9/10/2013 until now.

Topics Taught at undergraduate level:

Rays technologies, Electric and magnetic materials, test and characterization of Engineering Materials, Nanotechnology, Composites materials and their applications, Characterizations and test engineering materials, engineering of non- metallic materials / ceramics ,green concert and mortar cement ,recycling natural fibers ,industrial fibers and nano powders in construction .

Membership:

1. Member of Iraqi Society of Concrete Building Materials(2019)
2. Member of Green Horizon organization.(2018)
3. Member of international union of creators (2018).
4. Member of Iraqis Inventors society (2018).
5. Member of Iraqis Inventors Association (2016)
6. Member of Iraqi Association for Nanotechnology (2013)
7. Member of Friends of the French Language Association (2008)
8. Member of the Teachers' Union Association (2008)

Personal Information

Date of birth: 1.March.1977

Permanent Address: Materials engineering –university technology –Baghdad –Iraq.

Nationality: Iraqi

Marital status: married (Has two children)

Languages: Arabic, English

:Teaching for materials engineering:

- 1.technique of rays from 2008-2010 for B sc.
- 2.Test and characterization engineering materials from 2010 until now
3. Test and characterization for nano technology from 2018.for Msc.

• **Supervision of Postgraduate Projects**

1. Erosion wear behavior of composite material reinforced by different system,2013-2014,Msc
2. Erosion wear behavior of nano materials reinforced polymer composites, 2014-2015, MSc.
3. Erosion wear behavior of polymer matrix composites reinforced by carbon nano tubes, 2015-2016, MSc.
4. Properties of green concrete using recycled materials, 2016-2017, MSc.
5. Effect of Cement Replacement Materials Particle Size on Properties of Concrete, 2018-2019, PhD.
6. The effect of Waste Paper in Concrete mixes, 2018-2019, MSC.
7. Preparation and properties of natural biopolymers for bone regeneration, 2018-2020, PhD.
8. Studying the pretreatment methods on properties of natural reinforced composites, 2019-2021, MSc.
9. Syntheses and study mechanical properties of geopolymer brick for a clean and sustainable environment.2020, MSc.
10. Fabrication of nano /composites membrane for environmental protection applications-٢٠١٩ PHD.
11. Bio functionalization of metallic substrate using natural biomaterials. 2020, MSc.
12. Investigation of the effect of nano additives on the performance of polymeric membranes in wastewater treatment,2020.PHD.

13. Effect of laser exposure on the properties of ferrite –based Zn and Ni nanoparticles for biomedical applications, 2020-PHD.

List of References

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| Prof. dr. Ahmed al Gaban Chancellor of university of technology Department of Materials Engineering University of Technology Baghdad, Iraq ahmed_gaban@yahoo.com 00647713881945 | Prof. dr. Emad al-Hassani Department of Materials Engineering University of Technology Baghdad, Iraq emad2000x@yahoo.com 009647702524446 |