



*Mobile:* 009647809775073

*Email:* aliibrahim76@yahoo.com

*Hilla, Babylon, Iraq*

# Ali I. Al-Mosawi

## Education

- B.Sc. in Materials Engr. Babylon University, IRAQ, 2000
- M.Sc. in Materials Engr. Babylon University, IRAQ, 2003

## Affiliation

Free Consultation

## Designation

Lecturer

## Positions

- Babylon University, May 2004 - January 2006
- Technical Institute of Babylon, Mechanical Depart. January 2006 - May 2012
- Technical Institute of Babylon, Machines and Equipments Depart. May 2012 - April 2014

## Contact Information

- **Email:** aliibrahim76@yahoo.com , alialmosawi76@gmail.com
- **ResearchGate :** [www.researchgate.net/profile/Ali\\_Al-Mosawi/](http://www.researchgate.net/profile/Ali_Al-Mosawi/)
- **LinkedIn:** [www.linkedin.com/pub/ali-i-al-mosawi/61/364/654](http://www.linkedin.com/pub/ali-i-al-mosawi/61/364/654)
- **Academia.edu:** [www.independent.academia.edu/AliIAlMosawi](http://www.independent.academia.edu/AliIAlMosawi)
- **ORCID :** <http://orcid.org/0000-0002-8688-3208>
- **AASCIT :** [www.aascit.org/membership/AliAlMosawi](http://www.aascit.org/membership/AliAlMosawi)
- <http://membership.sciencepublishinggroup.com/AliIAlMosawi>
- **Facebook:** [www.facebook.com/ali.ibrahim.12177276](http://www.facebook.com/ali.ibrahim.12177276)

## Research Interest

Composite Materials ; Rubber Technology ; Flame Retardants ;  
Materials Testing ; Materials Processing

## Researches

1. *Study of thermal behavior for composite material consisted from unsaturated polyester resin reinforced by palms and glass fibers* , Journal of Babylon University ,9(5) ,2004 .
2. *Effect study of magnesium oxide on thermal conductivity of unsaturated polyester resin* ,J. of Babylon University ,9(5) ,2004 .
3. *Experimental study of the effect of zinc borate on flame retardancy of carbon- Kevlar hybrid fibers reinforced composite materials*, Al-Qadisiya journal for engineering sciences, 1(1), 2008.
4. *Study of some mechanical properties for composite material consist of phenol formaldehyde resin reinforced by Kevlar fibers* , Al-Qadisiya journal for engineering sciences , 1(2), 2008.
5. *Improvement of flame resistance for composite material consist of phenol formaldehyde resin reinforced by carbon fibers by using flame retardant material layer* ,Kerbala University journal ,6(1) ,2008 .
6. *Difference fibers reinforcement percentage and its effect on mechanical properties of thermosetting resins* ,Al-Qadisiya journal for engineering sciences , Special Issue for 2<sup>nd</sup> conference of engineering college/Al-Qadisiya University,19-20 October 2009.
7. *Effect of percentage of fibers reinforcement on thermal and mechanical properties for polymeric composite material* ,The Iraqi journal for mechanical and material engineering, Special Issue for 1<sup>st</sup> conference of Engineering College/Babylon University, 2009 .
8. *Improving thermal resistance for composite material reinforced by fibers by using flame retardant material layer*, Al-Qadisiya journal for engineering sciences, 2(2), 2009.
9. *Study of some mechanical properties for polymeric composite material reinforced by fibers* ,Al-Qadisiya journal for engineering sciences , 2(1), 2009.
10. *Improvement of mechanical properties of alloy steel type (40x) by using heat treatments* , Al-Qadisiya journal for engineering sciences , special issue for 2<sup>nd</sup> conference of engineering college /Al-Qadisiya university , 2009 .
11. *Mechanical properties of araldite matrix composites reinforced with hybrid carbon - Kevlar fibers*, Al-Qadisiya journal for engineering sciences , 3(1), 2010 .
12. *Using of hybrid flame retardants to increase thermal erosion resistance for advanced composite materials*, Diyala journal of engineering sciences,1<sup>st</sup> Engineering scientific conference, Engineering college/Diyala university, 22-23 December ,2010.
13. *Comparing study between thermal conducting and environmental benefit for polymeric composite material reinforcing by hybrid fibers*, The Iraqi journal for mechanical and material engineering, Special Issue for 1<sup>st</sup> conference of Materials Engineering College/Babylon University, 28-29 December 2010.

14. ***Theoretical study to effect of reinforcing by fibers on mechanical behavior of thermosetting resins***, The Iraqi journal for mechanical and material engineering, special Issue for 1<sup>st</sup> conference of Materials Engineering College/ Babylon University, 28-29 December 2010.
15. ***Using of ceramic fillers to improvement thermal insulation of thermosetting resins***, Proceedings of F.T.E scientific international conference, technical college-Najaf, Iraq, 12-14 April 2010.
16. ***Retarding heat flow in resin materials by using oxide fillers***, Journal of kufa-physics, special issue for Kufa's 1<sup>st</sup> conference for physics, Kufa University, Iraq, 6-7 October 2010.
17. ***Changing in thermal insulation of epoxy resin after adding different weight percentages from magnesium oxide particles***, The Iraqi journal for mechanical and material engineering, Special Issue for 1<sup>st</sup> conference of Materials Engineering College/Babylon University, 2010.
18. ***Effect of reinforcing by magnesium oxide particles on thermal conductivity and mechanical properties of vinyl ester resin***, Kerbala university journal, special Issue for 6<sup>th</sup> scientific conference, Kerbala univ., Iraq, 1-2 May 2010.
19. ***Effect of compilation between two types of inorganic flame retardants on thermal resistance for advanced composite material at elevated temperatures***, Proceedings of 5<sup>th</sup> scientific conference, college of science, Babylon University, Iraq, 2010.
20. ***Effect of inorganic flame retardants addition on thermal properties of advanced composite materials***, The Iraqi journal for mechanical and material engineering, Special Issue for 1<sup>st</sup> conference of Materials Engineering College/Babylon University, 2010.
21. ***Effect of antimony tetroxide on flame retardancy for advanced polymeric composite material reinforced by hybrid fibers***, Kerbala university journal, Special Issue for 6<sup>th</sup> scientific conference, Kerbala University, Iraq, 1-2 May 2010.
22. ***Improvement thermal insulation of araldite resin (AY103) by using ceramic oxides***, The Iraqi journal for mechanical and material engineering, special Issue for 2<sup>nd</sup> scientific conference, engineering college, Babylon university, Iraq, 24-25 March 2010
23. ***Reducing percentage of scrap and rework production for product of motor air-cooler in state company of electrical industries with use tools of statistical control***, Proceedings of 1<sup>st</sup> scientific conference, materials engineering college, Babylon university, Iraq, 28-29 December 2010.
24. ***Designed of an expert system to diagnostic of mechanical properties of steel***, Kerbala university journal, Special Issue for 6<sup>th</sup> scientific conference, Kerbala University, Iraq, 1-2 May 2010.

25. ***Performance evaluation of zinc borate to improvement thermal properties of antimony trioxide at elevated temperatures***, The Iraqi journal for mechanical and material engineering, special Issue for 2<sup>nd</sup> scientific conference, engineering college, Babylon University, Iraq, 24-25 March 2010.
26. ***Protection of industrial foundations from fires by using flame retardants coating technique***, The Iraqi journal for mechanical and material engineering, Special Issue for 1<sup>st</sup> conference of Materials Engineering College/Babylon University, 28-29 December 2010.
27. ***Study of mechanical and thermal behavior of advanced carbon fibers reinforced composites***, The Iraqi journal for mechanical and material engineering, special Issue for 2<sup>nd</sup> scientific conference, engineering college, Babylon University, Iraq, 24-25 March 2010.
28. ***Study the effect of reinforcing fibers on some mechanical properties of advanced composite materials***, Al-Qadisiya journal for engineering sciences , 3(4), 2010 .
29. ***Study the effect of antimony tetroxide addition on thermal conductivity for araldite resin reinforced by biaxial glass fibers*** ,Al-Taqni journal ,23(4), 2010.
30. ***Study the effect of antimony trioxide on flame retardancy of polymeric composite material***, Journal of Babylon University, 18(5), 28-29 December 2010.
31. ***Hybrid fire retardants to increasing combusting resistance for fibers-reinforced composites***, International journal of chemistry, Vol. 41, 2011.
32. ***Reducing of flammability for polymeric composite material by using flame retardants coating*** , Eng. & Tech. Journal , 29(11) , 2011 .
33. ***Using of reinforcing by hybrid fibers to increase efficiency of unsaturated polyester resin (SIROPOL 8340-Pi) to resisting mechanical loads*** ,The Iraqi journal for mechanical and material engineering, Special Issue for 3<sup>rd</sup> conference of Engineering College/Babylon University, 2011 .
34. ***Using of inorganic flame retardants to protect buildings and industrial foundations from fires*** ,The Iraqi journal for mechanical and material engineering, Special Issue for 3<sup>rd</sup> conference of Engineering College/Babylon University, 2011 .
35. ***Effect of compacting pressure on microstructure and mechanical properties of Carbide cutting tools*** , Powder metallurgy , 54(5) , 2011 .
36. ***Flame retardancy enhancement of hybrid composite material by using inorganic retardants*** , Materials Sciences and Applications, 2(8) , 2011 .

37. *Inhibiting pyrolysis process for fiber-reinforced composites by using flame retardants additions* , ICSTE 2011 Conference , Kuala Lumpur, Malaysia , ASME Press ,2011 .
38. *Using of Coating Technique by Inorganic Flame Retardants to Protect Civil and Industrial Foundations from Fires* , Al-Khwarizmi Engineering Journal, 7(4) ,2011.
39. *Reinforcing by hybrid fibers and its effect on thermal conducting for polymeric composite material* , Al-Qadisiya journal for engineering sciences , 4(1), 2011 .
40. *Effect of zinc borate addition on thermal erosion resistance of antimony trioxide*, Journal of Babylon University ,19(3) ,2011 .
41. *Effect of reinforcing by MgO particles on thermal and mechanical characteristics of epoxy resin*, The Iraqi journal for mechanical and material engineering, 11(3), 2011.
42. *Effect of reinforcing by different percentage of fibers on mechanical properties of vinyl ester resin*, Al-Taqni journal, 24(3), 2011.
43. *Study of thermal properties of antimony trioxide in low temperatures*, Journal of Babylon University, 19(4), 2011.
44. *Geometrically nonlinear analysis of imperfect laminated composite plates with a variable fiber spacing*, Al-Qadisiya journal for engineering sciences , 4(4), 2011 .
45. *Study the effect of volume fraction on thermal conductivity values for polyester particles composites* , Journal of Kufa-physics ,4 (1) ,2011.
46. *Using of Conjunction Analysis to study the effect of heat treatments on mechanical properties of low chromium steel* ,Journal of Babylon University/Engineering Sciences, 20(1), 2012.
47. *Study the effects and environmental benefits to establish a project to treatment fibers garbage's of palms* ,Iraqi journal of science , special Issue for 1<sup>st</sup> scientific conference for Biological Depart., college of science ,Baghdad university, Iraq ,6-7 March 2012 .
48. *Effect of Laser Treatment on the Corrosion Resistance* ,Journal of education college ,3(Special issue) , 19<sup>th</sup> scientific conference, college of education, university of Mustansiriyah ,Iraq ,25-26 April 2012 .
49. *Effect of zinc borate - antimony trioxide on flame retardancy of unsaturated polyester resin composite* ,Journal of education college ,3(Special issue) , 19<sup>th</sup> scientific conference, college of education, university of Mustansiriyah ,Iraq ,25-26 April 2012 .
50. *Effect of antimony trioxide addition on thermal properties of advanced composite materials*, Journal of Babylon University, 20(5), 2012.
51. *Effect of adding shells powder on rheological properties of natural rubber*, Iraqi J, of Polymers, 16(1), 2012.

52. *Evaluation flame retardancy of epoxy composite by using design of experiments* , Applied Mechanics and Materials , 186 , 2012 .
53. *Flammability behavior of composite mixed with retardant agents*, Applied Mechanics and Materials , 186 , 2012 .
54. *Increasing flammability resistance for aircrafts tires by using magnesium hydroxide* , Academic research international,3(2),2012.
55. *Experimental investigation in zinc borate effect on flammability characteristics of polymeric composite material* , Academic research international, 3(2), Sept. , 2012 .
56. *Flammability of araldite based composite mixed with inorganic retardants* , International Journal of Engineering Science and Technology (IJEST), 4(10) , Oct. , 2012
57. *Influence of retardant agent on flame spread through composite surface*, International Journal of Innovative Research in Engineering & Science, issue 1, volume 6 ,December 2012.
58. *Formation hybrid flame retardant and its effect on thermal resistance of araldite resin composite*, Academic research international, 3(2), Sept. , 2012 .
59. *Mechanical properties of plants-synthetic hybrid fibers composites*, Research Journal of Engineering Sciences,1(3), 2012.
60. *Using ultrasonic sensor for blind and deaf persons combines voice alert and vibration properties*, Research Journal of Recent Sciences, 1(11), Nov. ,2012.
61. *Study the effect of angle dorsiflexion on bending stress of prosthetic pylon*, International Journal of Engineering Science and Technology (IJEST), 4(12), December 2012.
62. *Stress analysis of conical shell*, Academic research international, 3(3), 2012.
63. *Flame retardancy of structural composites*, International Journal of Innovative Research in Engineering & Science, issue 1, volume 6, December 2012.
64. *Mechanical properties of composite material reinforcing by natural-synthetic fibers*, Academic research international,3(3), 2012.
65. *The synergistic effect of hybrid flame retardants on pyrolysis behaviour of hybrid composite materials*, Journal of Engineering Science and Technology, 7(3), 2012.
66. *Thermal resistance of araldite resin composite mixed with hybrid retardants* , Iraqi J. of Polymers ,16(2), 2012.
67. *Reinforcing by Palms - Kevlar Hybrid Fibers and Effected on Mechanical Properties of Polymeric Composite Material* , Journal of Babylon University , 20 (1) , 2012 .
68. *Using of Ansys program to calculate the mechanical properties of advanced fibers reinforced composite* ,The Iraqi journal for mechanical and material engineering , 12(4) ,2012 .

69. *Experimental approach to mechanical properties of natural rubber mixing with Calcium carbonate powder*, International Journal of Physical Sciences ,7(49), 2012.
70. *Theoretical estimation to flexural strength of araldite composite used for manufacturing electrical circuits plates* ,Academic research international, 3(3), Nov. , 2012.
71. *Effect of reinforcing by natural and synthesis fibers on thermal conducting for composite material* , Journal of Babylon University ,20(1) ,2012 .
72. *Effect of shells powder on scorch and cure time of elastomer material*, International Journal of Engineering and Technology, 3(4), April, 2013.
73. *Effect of variable fiber spacing on post-buckling of boron/epoxy fiber reinforced laminated composite plate*, Applied Mechanics and Materials, 245, 2013.
74. *Development hybrid retardant agent and its effect on flammability resistance of composites* , Research journal of chemical sciences , 3(1), 2013.
75. *Flexural strength of fiber reinforced composite* , International journal of enhanced research in science technology & engineering , 2(1), 2013.
76. *Spectroscopic studies of polyester – carbon black composites*, Research Journal of Material Sciences, 1(2) ,2013.
77. *Study the Efficiency of adsorption Leshman's Stain Dye on the surface of some metal oxides*, Research Journal of Engineering Sciences, 2(3), 2013.
78. *Flammability Behavior of tires material after adding flame retardant agent*, International Journal of Engineering & Technology IJET-IJENS,13(2), 2013.
79. *Effect of physical additives of shells powder on mechanical properties of natural rubber*, International Journal of Technical Research and Applications, 1(3), 2013.
80. *Effect of carburizing on fatigue strength*, 3<sup>rd</sup> Scientific International conference ,technical college/Najaf , 2013.
81. *Flame retardancy of hybrid fibers structural composites*, 3<sup>rd</sup> Scientific international conference ,technical college/Najaf, 2013.
82. *Effect of calcium carbonate on rheological properties of rubber*, 3<sup>rd</sup> scientific international conference ,technical college-Najaf,2013.
83. *Increasing combusting Resistance for Advanced Composites by using Fire Retardants* , Research Journal of Recent Sciences, 2(ISC-2012), 2013.
84. *Theoretical approach to mechanical properties of resinous composite* ,Academic research international, 4(3), May , 2013.
85. *Flammability of polypropylene based composite mixed with inorganic retardants* ,Academic research international, 4(3), 2013.

86. *Using computer method to study the effect of different type and direction loading on stress concentrations* , Al-Ma'moon college journal ,21 ,2013.
87. *Effect of Tungsten Percent on Transmission Properties for (X-Ray) of Styrene Butadiene Rubber* , International Journal of Current Engineering and Technology ,3(3) ,2013.
88. *Effect of Shells Powder Filler Additives on Hardness and Tensile Strength Properties of Natural Rubber* , Journal of Materials Physics and Chemistry ,1(3) ,2013.
89. *Mechanical properties for unsaturated polyester reinforcement by glass fiber using ultrasonic technique*, International Journal of Multidisciplinary and Current Research (IJMCR), July- August issue, 2013.
90. *Learning difficulties in metallurgy lesson: case study in technical institute of Babylon*, Educational Research International, 2(1), 2013.
91. *Fire Retardants for Civil Structures*, Global journal of researches in engineering: C ,Chemical Engineering, 13(2), 2013.
92. *Effect of magnesium oxide additions on electrical conductivity of polyester resin*, International Journal of Advanced Research, 1(6), 2013.
93. *Using of design and analysis of experiments to estimated properties of polymeric composite*, International Journal of Advanced Research, 1(6), 2013.
94. *Fire retardancy characteristics of polymeric composite materials*, J. Baghdad for Sci., 10(3), 2013.
95. *Effect of shells powder on physical properties of natural rubber*, The Iraqi journal for mechanical and material engineering, 13(2), 2013.
96. *Effect study of using of oyster shells on rheological properties of rubber*, The Iraqi journal for mechanical and material engineering, 13(2), 2013.
97. *Improvement of flame retardancy for hybrid composite material by using zinc borate*, The Iraqi journal for mechanical and material engineering, 13(3), 2013.
98. *Flammability action of tires material after adding flame inhibitor* , J. Baghdad for Sci,10(3) ,2013
99. *Environmental impact study for the establishment of an investment project to process the palms agricultural waste* ,Journal of university of Babylon , Special Issue for 5<sup>th</sup> international conference of environmental science, environmental research center , Babylon university, Iraq ,3-5 December 2013 .
100. *Fire retardancy characteristics of polymeric composite materials*, J. Baghdad for Sci,10(3) ,2013



101. *Adding hydrazine to pigments to prevent corrosion of ferrous alloys*, Kerbala University journal Special Issue for 2<sup>nd</sup> scientific conference, science college, Kerbala university, Iraq ,26-27 February 2014.
102. *Mechanical properties of Acrylonitrile-Butadiene Rubber reinforced by Polyvinyl chloride particles* , Proceedings of 1<sup>st</sup> national conference for engineering , engineering college, university of Mustansiriyah, Iraq ,26-27 March 2014 .
103. *Increasing inhibition flame resistance for PVC composite by using 2ZnO.3B<sub>2</sub>O<sub>3</sub>.3.5H<sub>2</sub>O-Sb<sub>2</sub>O<sub>3</sub> mixture* ,Topclass Journal of Engineering and Materials Sciences 1(1), 26 March, 2014.
104. *Effect of Polyethylene on Corrosion Protection of Ductile Cast Iron* , International Journal of Current Engineering and Technology ,4(2), April 2014.
105. *Effects of polyvinyl chloride addition on swelling resistance of nitril rubber* , Research Journal of Recent Sciences , 3(ISC-2013) ,2014 .
106. *Effect of sulfur addition on vulcanization properties of hybrid rubber batch*, Kerbala University journal ,12(2), 2014 .
107. *Mechanical behavior of NBR-PVC mixture after immersion in different media*, International journal of advanced research in engineering and technology (IJARET), 5(6), June 2014.
108. *Improve microstructure of Aluminum alloys by modification* , International Journal of Advanced Research in Engineering and Technology (IJARET), 5(6), June 2014.
109. *Effect of Austempering Time on Microstructure and Wear Resistance of Ductile Iron Castings*, Open Access Library Journal, 1 , e1032, November 2014.

## Books

1. *Properties of Composite Materials Databook* ,LAP LAMBERT Academic Publishing ,2012 , ISBN: 3-24295 -659-3-978
2. *Flame Retardancy of Polymers* ,LAP LAMBERT Academic Publishing ,2012 , ISBN: 25531 -659 -3-978
3. *Composite Materials* ,LAP LAMBERT Academic Publishing ,2012, ISBN: 5-27625-659-3 -978
4. *Metals Manufacturing Processes*:
  - ❖ 1<sup>st</sup> edition ,Al-Taif foundation for printing and publishing, deposit No. in INLA 696 ,2008 .
  - ❖ 2<sup>nd</sup> edition ,Redwan publisher., 2013 , ISBN: 978-9957-76-113-1
5. *Rubber Technology* ,LAP LAMBERT Academic Publishing ,2013 , ISBN: 5-39310 -659-3-978
6. *Manufacturing Processes Technology* :
  - ❖ 1<sup>st</sup> edition ,Al-Taif foundation for printing and publishing, No. in INLA 95 ,2010 .

- ❖ 2<sup>nd</sup> edition ,Redwan publisher., 2014 , ISBN: 978-9957-76-178-3
- 7. ***Cutting Tools Applications*** ,Redwan publisher., 2014 ,
  - ❖ 1<sup>st</sup> edition ,Al-Taif foundation for printing and publishing, deposit No. in INLA 726 ,2008 .
  - ❖ 2<sup>nd</sup> edition ,Redwan publisher., 2014 , ISBN: 978-9957-76-161-5
- 8. ***Non Destructive Tests*** ,LAP LAMBERT Academic Publishing ,2014 , ISBN: 978-3-659-56100-9
- 9. ***Steels Technology*** ,LAP LAMBERT Academic Publishing ,2014 , ISBN: 978-3-659-58836-5
- 10. ***Polymers and Composite Materials Technology*** deposit No. in INLA 2213 ,2014 .

## Patents

1. ***Increasing resistance of polymeric composite materials to elevated temperatures by coating with antimony tetroxide material*** ,Central Organization for Standardization and Quality Control (COSQC), International Classification (C08C19/30) , Iraqi Classification (4) ,2014
2. ***Enhancement of thermal resistance of aircraft tires by using magnesium hydroxide*** ,Central Organization for Standardization and Quality Control (COSQC), International Classification (B60C13/00) , Iraqi Classification (34) ,2014
3. ***Manufacturing of composite rubber material for the manufacturing of rubber rubbles and other reinforced by a brass Bushes used in mechanical and electrical couplings***, Central Organization for Standardization and Quality Control (COSQC), International Classification (C08C19/30, C08C19/42) , Iraqi Classification (4) ,2014

## National Conferences

1. 1<sup>st</sup> scientific conference of engineering college ,Al- Qadisiya university ,Iraq ,22-23 December 2008.
2. 1<sup>st</sup> scientific conference, engineering college, Babylon university, Iraq ,17-18 May 2009 .
3. 2<sup>nd</sup> scientific conference of engineering college ,Al- Qadisiya university ,Iraq ,19-20 October 2009.
4. 2<sup>nd</sup> scientific conference, engineering college, Babylon university, Iraq ,24-25 March 2010 .
5. F.T.E scientific international conference, technical college-Najaf, Iraq ,12-14 April 2010.
6. 2<sup>nd</sup> scientific conference, science college, Al- Muthana university, Iraq ,27-28 April 2010.
7. 6<sup>th</sup> scientific conference, Kerbala university, Iraq ,1-2 May 2010.

8. 5<sup>th</sup> scientific conference, college of science (CSASC 2010), Babylon university, Iraq ,19-20 May 2010 .
9. Kufa's 1<sup>st</sup> conference for physics, Kufa University, Iraq, 6-7 October 2010.
10. 1<sup>st</sup> scientific engineering conference (FESC2010), engineering college, Diyala university, Iraq 22-23 October 2010.
11. 1<sup>st</sup> scientific conference, technical college of management, Iraq ,28-29 November 2010.
12. 1<sup>st</sup> scientific conference, materials engineering college, Babylon university, Iraq , 28-29 December 2010.
13. 3<sup>rd</sup> scientific conference, engineering college, Babylon university, Iraq ,23-24 March 2011 .
14. 3<sup>rd</sup> scientific conference, Al-Khwarizmi college of engineering, Baghdad university, Iraq ,20-21 April 2011 .
15. 3<sup>rd</sup> scientific international conference, college of administration and economics ,Kerbala university, Iraq ,10-11 May 2011.
16. 9<sup>th</sup> conference on synthesis and application of polymeric materials and their qualification of Iraqi industries, Iraqi polymer society, Iraq, 21-22 December 2011.
17. 1<sup>st</sup> scientific conference for Biological Depart., college of science ,Baghdad university, Iraq ,6-7 March 2012 .
18. 1<sup>st</sup> scientific conference , Materials Depart. ,university of technology ,Baghdad ,Iraq ,7-8 March 2012.
19. 13<sup>th</sup> scientific conference ,Al-Mamon university college ,Baghdad ,Iraq ,18 April 2012.
20. 19<sup>th</sup> scientific conference, college of education, university of Mustansiriyah ,Iraq ,25-26 April 2012 .
21. 2<sup>nd</sup> scientific conference, Madenat Al-elem college, Baghdad, Iraq ,17-18 September 2012.
22. 6<sup>th</sup> scientific conference, college of science, Babylon university, Iraq , 6-7 November 2012.
23. 1<sup>st</sup> International scientific conference of remote sensing and image processing , college of science, remote sensing unit, Baghdad university, Iraq ,11-12 November 2012 .
24. 5<sup>th</sup> International scientific conference, college of Basic Education, Babylon university, Iraq , 13-14 November 2012.
25. National conference of physics , Babylon university, Iraq, 7-8 December 2012.
26. 3<sup>rd</sup> scientific conference, engineering college, Tikret university, Iraq , 11-12 December 2012 .
27. 1<sup>st</sup> national conference for chemistry ,science college of women ,Baghdad university, Iraq ,19-20 December 2012 .
28. 14<sup>th</sup> scientific conference ,Al-Mamon university college ,Baghdad ,Iraq ,24 April 2012.
29. 3<sup>rd</sup> scientific international conference, technical college-Najaf,

Iraq ,20-21 February 2013.

30.4<sup>th</sup> scientific conference, college of Education, Thi-Qar university, Iraq ,27-28 March 2013 .

31.9<sup>th</sup> scientific conference of mathematics an computer science ,science college ,University of Mustansiriyah ,Iraq ,6-7May 2013.

32.2<sup>nd</sup> International scientific conference, materials engineering college, Babylon university, Iraq , 15-16 May 2013.

33.5<sup>th</sup> International conference of environmental science, environmental research center , Babylon university, Iraq ,3-5 December 2013.

34.2<sup>nd</sup> scientific conference, science college, Kerbala university, Iraq ,26-27 February 2014.

35.1<sup>st</sup> national conference for engineering , engineering college, university of Mustansiriyah, Iraq ,26-27 March 2014 .

36.1<sup>st</sup> Basrah International conference for mechanical engineering (BICME2014), engineering college, university of Basrah, Iraq ,8-10 April 2014 .

37.1<sup>st</sup> International Conference On Laser Applications And Advanced Materials (ICLAAM) , University Of Technology ,Iraq ,16-18 December, 2014.

## International Conferences

1. 3<sup>rd</sup> International Conference on Software Technology and Engineering (ICSTE 2011) , Kuala Lumpur, Malaysia ,2011.
2. International Conference on Optimization of Mechanical Engineering, Manufacturing Systems, Robotics and Aerospace (OPTIROB 2012) ,Romania ,2012 .
3. International Conference on Civil Engineering and Materials (ICCEM 2012) , Paris, France ,2012.
4. The sixth Jordan international chemical engineering conference , Amman , Jordan ,2012 .
5. International Conference on advances in Manufacturing Technology (ICAMT 2012) ,India ,2012 .
6. 2<sup>nd</sup> International Science Congress (ISC 2012) ,India ,2012 .
7. AL-Azhar engineering twelfth international conference (AEIC2012),Cairo, Egypt ,2012 .
8. 3<sup>th</sup> International Science Congress (ISC 2013) ,India ,2013 .

## Journal's Editorial Board

1. International Journals of Engineering & Sciences (IJENS).
2. International Journal of Technical and Research Applications .
3. Open Journal of Functional Material Research .
4. Research and Application of Material .
5. Elixir International Journal.
6. Topclass Journal of Engineering and Materials Sciences .

7. International Journal of Multidisciplinary and Current Research (IJMCR).
8. Journal of Materials & Metallurgical Engineering (JoMME)
9. International Journal of Current Engineering and Technology
11. International Journal of Research in Mechanical Engineering
12. World Journal of Engineering and Physical Sciences
13. European Journal of Engineering and Technology (EJET)
14. International Journal of Innovative Technology and Research
15. Asian Journal of Current Engineering & Math's [AJCEM]
16. Scholars Journal of Engineering and Technology
17. International Journal of Engineering Associates
18. Journal of Computing Technologies
19. Open Journal of Organic Chemistry
20. International journal of advanced and innovative research  
Advanced research in engineering sciences
21. Direct research journal of chemistry and material science
22. Progressive Academic Publishing, UK.
23. International Journal of Research in Mechanical Engineering
24. American Journal of Science and Technology
25. Journal of Medical Biomedical and Applied Sciences (JMBM)
26. International Journal of Computer and Advanced Engineering Research (IJCAER)
27. Advanced Research in Engineering Sciences
28. International Journal of Applied Science
29. Journal of Natural Sciences (JNS)
30. Science and Technology journals
31. IOSRD International Journal of Engineering

## **Journal's Peer Reviewer**

1. Conference (ICMERA 2012) ,Romania
2. Conference (ICRAMID2014) ,India
3. Conference (CMSE 2014) , China
4. Conference (ICCPEE'14) , Thailand
5. World Congress on Engineering-WCE2015 (International Conference of Mechanical Engineering (ICME))
6. Conference (ICICAE2015) ,UK
7. Conference (ICEACE'2015) , Thailand
8. Conference (ICFNCE'2015) , UAE
9. Conference (ICAAME'2015) , UAE
10. Conference (ICMAIE'2015) , UK
11. Conference (ICMPP'2015) , Thailand
12. Conference (ICPME'2014) , Thailand
13. International Academy of Chemical, Civil & Environment Engineering (IACCEE)
14. International Conference on Materials Research and Engineering (ICMRE 2015)

15. Journal of Materials Physics and Chemistry (JMPC)
16. Global Journals Inc. (USA)
17. Topclass Journal of Agricultural Research
18. Materials Sciences and Applications (MSA)
19. American Journal of Materials Engineering and Technology
20. International Journal of Engineering and Technology (IJET)
21. Materials Science and Metallurgy Engineering
22. Asian Online Journals
23. Journal of Materials Science Research
24. International Journal of Engineering and Technical Research
25. International Society of Thesis Publication
26. International Journal of Materials Science and Engineering
27. Peak journal of physical and environmental science research
28. International Journal of Scientific and Engineering Research
29. American Journal of Chemical Engineering
30. International Journal of Applied Science
31. Journal of Scientific Research and Reports

## **Scientific Associations Membership**

1. International Association of Computer Science and Information Technology (IACSIT)
2. Science and Engineering Institute (SCIEI)
3. World Academy of Science, Engineering and Technology (WASET)
4. Association of Research Society in Engineering, USA
5. World Academy of Research in Science and Engineering (WARSE)
6. International Society for Development and Sustainability (ISDS)
7. International Institute of Chemical, Biological & Environmental Engineering (IICBEE) (Scientific Board of Chemical, Civil, Agricultural and Environmental Engineers)
8. International Association of Engineers (IAENG)
9. Scientia Research Library
10. IAENG Society of Chemical Engineering
11. IAENG Society of Industrial Engineering
12. IAENG Society of Mechanical Engineering
13. Industrial Engineering and Operations Management (IEOM) Society.
14. Khawarizmi Science Society
15. Iraqi Writers Union of the Internet
16. Iraqi Society of Professionals
17. Research Gate Network
18. Academia.edu
19. American Scientific Affiliation

## Conferences Committees

1. International Conference on Materials Science, Metals and Manufacturing (ICMSMM 2013) , Prague, Czech Republic ,July 7 - 8, 2013
2. International Conference on Biobased Chemicals and Materials (ICBCM 2013), Amsterdam, Netherlands, August 8 - 9, 2013
3. International Conference on Materials Science, Metals and Manufacturing (ICMSMM 2013) , Venice, Italy, August 15 - 16, 2013
4. International Conference on Composite Materials (ICCM 2013) ,Dubai, UAE,October 22 - 23, 2013
5. International Conference on Textile Composites, Materials and Engineering (ICTCME 2013), Melbourne, Australia ,Dec 16 - 17, 2013
6. International Conference on Materials Engineering and Technology (ICMET 2013) , Bangkok, Thailand, Dec 24 - 25, 2013
7. International Conference on Construction and Civil Engineering (ICCCE 2013), Bangkok, Thailand ,Dec 24 - 25, 2013
8. International Conference on Polymers and Advanced Materials (ICPAM 2014), Singapore, SG, January 9 - 10, 2014
9. International Conference on Functional Polymeric Materials (ICFPM 2014), Singapore, SG ,Jan 9 - 10, 2014
10. International Conference on Composite Materials (ICCM 2014), Dubai, UAE, January 30 - 31, 2014
11. International Conference on Advanced Engineering Materials (ICAEM 2014), Johannesburg, South Africa ,Feb 17 - 18, 2014
12. International Conference on Composite Materials (ICCM 2014),Bruges, Belgium, April 3 - 4, 2014
13. International Conference on Biobased Chemicals and Materials (ICBCM 2014) , Paris, France ,April 28 - 29, 2014
14. International Conference on Materials Engineering and Technology (ICMET2014) ,Las Vegas, USA ,May 12-13, 2014
15. 3<sup>rd</sup> International Conference on Machine Design and Manufacturing Engineering (3rd ICMDME 2014) ,Jeju Island, South Korea. May.24-25, 2014
16. International Conference on Materials Science, Metals and Manufacturing (ICMSMM 2014) , Prague, Czech Republic , July 8 - 9, 2014
17. International Conference on Microfluidics and Nanofluidics (ICMN 2014) ,Prague, Czech Republic ,July 10 - 11, 2014
18. 2nd International Conference on Computing, Engineering and Communication Technologies (ICCECT 2014) , Bangkok, Thailand, July 14-15, 2014
19. International Conference on Materials Engineering and Technology(ICMET2014) ,Stockholm, Sweden ,July 15-16, 2014

20. International Conference on Engineering Materials and Applications (ICEMA 2014), London, United Kingdom, July 27 - 28, 2014
21. International Conference on Composite Materials (ICCM 2014), Amsterdam, The Netherlands, August 8 - 9, 2014
22. International Conference on Composite Materials (ICCM 2014), San Francisco, USA, August 8 - 9, 2014
23. International Conference on Mining Engineering and Metallurgical Technology (ICMEMT 2014), Venice, Italy, August 14 - 15, 2014
24. International Symposium on Applied Social Science and Development (ISASSD 2014), Dalian, China, Aug 16-17, 2014
25. International Conference on Engineering Materials and Applications (ICEMA 2014), Istanbul, Turkey, Aug 18 - 19, 2014
26. International Conference on High Performance Structures and Materials (ICHPSM 2014), Kuala Lumpur, Malaysia, August 26 - 27, 2014
27. International Conference on Engineering, Computing and Technologies (ICECT 2014), India, September 01, 2014
28. International Conference on Mechanical and Materials Engineering (ICMME 2014), London, UK, Sept 4 - 5, 2014
29. International Conference on Construction and Civil Engineering (ICCCE 2014), London, UK, Sept 4 - 5, 2014
30. International Conference on Textile Composites, Materials and Engineering (ICTCME 2014), Geneva, Switzerland, September 8 - 9, 2014
31. International Conference on Mechanical, Materials and Manufacturing Engineering (ICMMME 2014), Munich, Germany, October 2 - 3, 2014
32. 3rd International Conference on Computer Applications and Advanced Communications (ICCAAC 2014), Singapore, October 3-4, 2014
33. 2nd International Conference on Emerging Trends in Computer Science and Engineering (ICETCSE 2014), Mysore, India, October 20, 2014
34. International Conference on Interdisciplinary Research & Technological Developments (IRTD2014), Panjab University, Chandigarh INDIA, 1st November, 2014
35. International Symposium on Education Reform and Management Innovation (ISERMI2014), Guangzhou, China, Nov 15 - 16, 2014
36. International Conference on Industrial Engineering and Engineering Management (IEEM2014), Guangzhou, China, November 15-16, 2014
37. International Conference on Textile Composites, Materials and Engineering (ICTCME 2014), Penang, Malaysia, Dec 8 - 9, 2014



38. Workshop on Advanced Mechanical Engineering Materials (AMEM 2014) , Jiujiang, China, December 27 - 28, 2014
39. 4th International Conference on Materials Science and Engineering (ICMSE2014) Jiujiang, China , Dec 27-28 ,2014
40. International Conference on Polymers and Advanced Materials (ICPAM 2015) ,Singapore, SG , January 8 - 9, 2015
41. XII International Conference on Diamond, Carbon Materials and Technology (ICDCMT2015) , Zurich, Switzerland ,January 13 - 14, 2015
42. International Conference on Advances In Computer Science, Electronics & Communication Technologies (ACSECT '15), Bangkok, Thailand ,17<sup>th</sup> January, 2015
43. International Conference on Engineering Materials and Applications (ICEMA 2015), Istanbul, Turkey , January 26-27, 2015
44. XII International Conference on Materials Engineering and Technology (ICMET 2015), Jeddah, Saudi Arabia, January 26 - 27, 2015
45. International Conference on Engineering Materials and Applications (ICEMA 2015), New Delhi, India , February 15-16 ,2015
46. International Conference on Engineering Materials and Applications (ICEMA 2015), Pattaya, Thailand ,February 15 - 16, 2015
47. International Conference on Construction and Civil Engineering (ICCCE 2015) ,London, United Kingdom ,February 23 - 24, 2015
48. International Conference on Industrial Engineering and Operations Management (IEOM 2015) , Dubai, UAE ,March 3-5, 2015
49. International Conference on Engineering Materials and Applications (ICEMA 2015), Malaga, Spain ,March 16-17, 2015
50. 4<sup>th</sup> International Conference on Machine Design and Manufacturing Engineering (4<sup>th</sup> ICMDME2015), Jeju Island, South Korea. May.16-17, 2015
51. International Conference on Materials Science, Metals and Manufacturing (ICMSMM 2015) ,Prague, Czech Republic ,July 8 - 9, 2015
52. International Conference on Biobased Chemicals and Materials (ICBCM 2015), London, UK ,August 20 - 21, 2015
53. International Conference on Civil and Building Engineering (ICCBE 2015) ,Istanbul, Turkey ,August 30 - 31, 2015
54. International Conference on Construction and Civil Engineering (ICCCE 2015), London, United Kingdom , September 25 - 26, 2015
55. International Conference on Civil and Building Engineering (ICCBE 2015) , Cape Town, South Africa, Nov 17 - 18, 2015

56. International Conference on Materials, Structures and Mechanical Engineering (ICMSME 2015) ,Paris, France ,December 29 - 30, 2015
57. International Conference on Materials Science, Metals and Manufacturing (ICMSMM 2016) ,Prague, Czech Republic , July 7 - 8, 2016
58. International Conference on Materials Science, Metals and Manufacturing(ICMSMM2016),Venice, Italy, August 11-12, 2016

## Honor and Awards

1. Holds an honored president of technical education foundation in the foundation day , 2010
2. Holds a shield of 1<sup>st</sup> scientific conference, materials engineering college, Babylon university, Iraq ,28-29 Dec 2010.
3. Holds an honored president of technical education foundation in the foundation day , 2011
4. Holds an honored president technical education to complete the educational bag for material manufacturing processes ,2011
5. Holds the honor Dean Technical Institute of Babylon to win the creators Competition at the Institute ,27 September 2011
6. Holds an honored president of technical education foundation in the foundation day , 2012
7. Holds the honor of the Minister of Higher Education and Scientific Research in Science Day ,15 April 2012
8. Holds an honored president of technical education foundation in the foundation day , 2013
9. Higher education award for science ,2013
10. Holds an honored president of technical education foundation in the foundation day , 2014

## Courses

1. Programming and operating CNC cutting machines, Technical Institute of Babylon / Department of Mechanics, 2008
2. The use of nontraditional cutting in metal working, Technical Institute of Babylon / Department of Mechanics, 2008
3. Statistical quality control, technical institute Babylon / Department of Mechanics, 2009
4. Ideal methods for activating the role of associate within the university, Technical Institute of Babylon,2009
5. Initial session in MATLAB, Technical Institute of Babylon / Department of electronics ,2011
6. Educational bags concept, Technical Institute of Babylon / unit of university performance ,2011
7. Casting techniques, Technical Institute of Babylon / Department of Mechanics, 2011

8. Welding techniques, Technical Institute of Babylon / Department of Mechanics, 2012
9. Bodies of cars, Technical Institute of Babylon / department of machines and equipment ,2012
10. Advanced course in English, Technical Institute of Babylon / department of machines and equipment ,2012
11. Initial session in the Russian language, Technical Institute of Babylon / Department of machines and equipment , 2013
12. Maintenance and operation of pumps and determine the causes of repair systems, Technical Institute of Babylon / department of electronics ,2013
13. Commodity and linear Regulation of spinning machines, Technical Institute of Babylon / Department of machines and equipment ,2013
14. Course in Materials Engineering, Technical Institute of Babylon / Department of machines and equipment ,2013
15. Economic Cost-Benefit study and projects evaluation, Technical Institute of Babylon / Department of machines and equipment ,2013
16. Session in English Conversation, Technical Institute of Babylon / Department of machines and equipment ,2013
17. Projects management system, Technical Institute of Babylon / Department of machines and equipment ,2013
18. Scientific methods in textile industry, the Technical Institute of Babylon / Department of machines and equipment ,2014
19. Mechanical Machining Operations, Technical Institute of Babylon / Department of machines and equipment ,2014
20. Preparation of Economic Cost-Benefit studies for development projects, the Technical Institute of Babylon / department machinery and equipment ,2014

## **Contribute and Symposiums**

1. Carbide cutting tools - properties, how manufactured, Technical Institute of Babylon ,2007
2. Possibility of machining of composite materials, Technical Institute - of Babylon ,2008
3. Study the use of CNC machines in the operation of Engineering Materials, Technical Institute of Babylon ,2008
4. Study the effect of the mechanical properties of composite materials and their impact on the use of these materials in the industry, the Technical Institute of Babylon ,2009
5. Flame Retardants - types ,mechanism of action, Technical Institute of Babylon ,2009
6. Use of advanced composite materials in space applications, Technical Institute of Babylon ,2010

7. Possibility of using natural fibers for the manufacture of composite material panels, Technical Institute of Babylon ,2011
8. Introduction to Cryogenic Materials, Technical Institute of Babylon ,2011
9. 2<sup>nd</sup> Symposium for Sustainable Engineering, Engineering college, Babylon University ,2013
10. 3<sup>rd</sup> Symposium for Sustainable Engineering, Engineering college, Babylon University ,2014

## **Certificates of Appreciation**

1. President of Qadisiyah University ,2008
2. Dean of Engineering college / Babylon University ,2009
3. President of Qadisiyah University,2009
4. Dean of Engineering college / Babylon University ,2010
5. President of Al- Muthana University ,2010
6. President of Kerbala University ,2010
7. Dean of the College of Sciences / University of Babylon ,2010
8. President of Kufa University ,2010
9. Dean of technical College of management, 2010
10. President of Diyala University, 2010
11. President of Babylon University ,2010
12. Dean of Engineering college / Babylon University ,2011
13. President of Baghdad University, 2011
14. Dean of the College of Management and Economics / Kerbala University ,2011
15. President of (ICSTE 2011) Conference / Malaysia ,2011
16. The Dean of Science College / Baghdad University, 2012
17. Chairman of the Department of Materials Engineering / University of Technology, 2012
18. Dean of Al-Mamon University College ,2012
19. Minister of Higher Education and Scientific Research ,2012
20. Dean of Science College / Babylon University ,2012
21. The Dean of Education College / Mustansiriyahh University,2012
22. Dean of Education College for Pure Science / Babylon University ,2012
23. Dean of Madenat Al-alem college, 2012
24. Dean of college of Basic Education / Babylon University ,2012
25. The Dean of Science College / Baghdad University, 2012
26. Dean of science college of women / Baghdad University, 2012
27. Dean of Engineering college / Tikket University ,2012
28. President of (ISC 2012) Conference / India, 2012
29. President of Babylon University ,2013
30. Dean of Al-Mamon University College ,2013
31. Dean of Materials Engineering College / Babylon University ,2013

- 32.**President of Babylon University ,2013
- 33.**Dean / President /Chancellor of Global Journals, 2013
- 34.**Dean of Science College / Kerbala University ,2014
- 35.**Dean of Engineering college / Mustansiriyah University ,2014