

# السيرة الذاتية

## الاستاذ المساعد الدكتورة ازهار محمود حليم



### المعلومات الشخصية

محل وتاريخ الولادة: بغداد/1974  
الحالة الاجتماعية: متزوجة  
مكان العمل: الوزارة التعليم العالي والبحث العلمي  
الجامعة التكنولوجية / مركز البحوث البيئية  
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### الدرجات العلمية

1. دكتوراه/ علوم حياة/ وراثه اورام/ الجامعة المستنصرية/ كلية العلوم/ قسم علوم الحياة/ بغداد -العراق 2004.
2. ماجستير علوم حياة/ مناعة وفطريات/ الجامعة المستنصرية/ كلية العلوم/ قسم علوم الحياة/ بغداد -العراق 2000.
3. بكوريوس علوم حياة/ احياء مجهرية/ الجامعة المستنصرية/ كلية العلوم/ قسم علوم الحياة/ بغداد -العراق 1997.

### الوظائف والدرجات الادارية:

1. مدرس دكتور في مركز البحوث البيئية من العام 2005-2010
2. استاذ مساعد دكتور في مركز البحوث البيئية من العام 2010-لحد الان
3. رئيس قسم التقنيات البيئية في مركز البحوث البيئية / الجامعة التكنولوجية للفترة من نيسان 2009- ايلول 2017.
4. عضو اللجنة المركزية لادارة المخاطر الكيميائية والبيولوجية للفترة من شباط 2008- كانون الاول 2017.
5. عضو اللجنة الوطنية لادارة المخاطر البيولوجية للفترة من اب 2013- اب 2015.

### الاهتمامات البحثية:

وراثة اورام، سمية وراثية، منتجات طبيعية، نباتات طبية، مناعة، احياء مجهرية، تحليلات مرضية، كيمياء مناعية وسريرية، زراعة دم وانسجة حيوانية، تحليل الكروموسومات، دراسة الكاربوتايينك للانسان، مضادات ميكروبية، نانوتكنولوجي، علوم بيئية، تقييم الاثار البيئية، معالجات بيولوجية، تقنيات بيئية، كيمياء بيئية، تنمية مستدامة، صحة وسلامة بيئية، ادارة المخاطر البيولوجية والكيميائية.

### التدريس:

1. احياء مجهرية عام مستوى 1 و2
2. علم المناعة مستوى 1 و2
3. فطريات طبية مستوى 1 و2 .
4. بايولوجية الخلية مستوى 1 و2
5. فسلجة احياء مجهرية
6. الاثر الاجتماعي والصحي والاقتصادي لطلبة الدبلوم العالي فرع الهندسة الصحية والبيئية/ قسم هندسة مدني
7. ادارة المخلفات الخطرة لطلبة الماجستير فرع الهندسة الصحية والبيئية/ قسم هندسة مدني

### الاشراف العلمي:

1. اشراف ماجستير ( رؤى حبيب عباس) التطبيقات الطبية للمركبات النانوية ( قسم هندسة الليزر والالكترونيات البصرية).
2. اشراف دكتوراه ( رؤى حبيب عباس) الجسيمات النانوية المعدنية وتقنية الليزر في ادارة تسوس الاسنان

( قسم هندسة الليزر والالكترونات البصرية).

3. اشراف دبلوم عالي ( منى حميد) تقييم الاثر البيئي والاجتماعي للطريق السريع. الهندسة الصحية والبيئية/ قسم هندسة مدني.
4. اشراف دبلوم عالي ( فامة ابراهيم) تقييم الاثر البيئي والاجتماعي لمستشفى التاجي العام. الهندسة الصحية والبيئية/ قسم هندسة مدني.

### ورش العمل ودورات التعليم المستمر:

1. دورة تمهيدية و متقدمة في ادارة المخاطر الكيميائية، التعليم المستمر، الجامعة التكنولوجية، بغداد من 2012- لحد الان دورتين سنوياً.
2. ورشة عمل اهمية الاتصال في ادارة المخاطر البيولوجية (NBMC) المغرب، كانون الاول، 2014.
3. ورشة عمل اهمية الاتصال في ادارة المخاطر البيولوجية (NBMC) سيشيل، نيسان، 2015.
4. ورشة عمل اللجنة الوطنية لادارة المخاطر البيولوجية (NBMC)، انثاليا، تركيا، نيسان 2014.
5. ورشة عمل اللجنة الوطنية للاستجابة للمخاطر البيولوجية والكيميائية (CBRN)، بغداد، تشرين الثاني، 2014.
6. ورشة عمل اللجنة الوطنية للاستجابة للمخاطر البيولوجية والكيميائية (CBRN)، بغداد، اذار، 2014.
7. ورشة عمل اللجنة الوطنية للاستجابة للمخاطر البيولوجية والكيميائية (CBRN)، بغداد، ايلول، 2013.
8. كورس تدريبي متقدم للعراق في ادارة المخاطر كيميائية، اسنبول، تموز، 2012.
9. ورشة عمل الصحة والسلامة في المختبرات البيولوجية، بغداد، كانون الاول، 2011.
10. ورشة عمل السلامة والامن البيولوجي في المختبرات، قبرص، ايار، 2011.

### براءات الاختراع:

تحضير عدة مختبرية لتحديد جنس الجنين بالطرق المصلية

### البحوث الريادية:

1. تحضير عدة مختبرية لقياس بعض خواص الماء الكيميائية.
2. تصميم منظومة حياتية لمعالجة مياه الشرب من ايوني النترات والنترت.

### البحوث المنشورة:

1. Water borne disease within Baghdad city. Al-Mustansiriya journal of science Vol 21, No. 1, 2010, pp 43-53. <http://www.iasj.net/iasj?func=fulltext&aId=77432>
2. Prepare of laboratory kit to measurement of some chemical properties of water. Al-Mustansiriya journal of science Vol 24, No. 6, 2013. <http://www.iasj.net/iasj?func=fulltext&aId=87536>
3. The study of some plant extracts effects on lymphocytes from CML patients. 6th scientific conference of Al-Mustansiriya College of science 9-11-2-2009. <http://www.iasj.net/iasj?func=fulltext&aId=79567>
4. The study of inhibition effect of some plant extracts on lymphocytes from healthy persons. Engineering and technology journal. Vol (31), No. 6B, pp 139-156. [http://www.uotechnology.edu.iq/tec\\_magaz/index.htm](http://www.uotechnology.edu.iq/tec_magaz/index.htm)
5. Immunological and cytogenetic effects of exhaust of cars. Engineering and technology journal Vol (28), No. 9, pp 4825-4833. [http://www.uotechnology.edu.iq/tec\\_magaz/index.htm](http://www.uotechnology.edu.iq/tec_magaz/index.htm)
6. The Immunological and cytogenetic effects of polyphenyl alcohol. Engineering and technology journal Vol (28), No. 14, pp 444-453. [http://www.uotechnology.edu.iq/tec\\_magaz/index.htm](http://www.uotechnology.edu.iq/tec_magaz/index.htm)
7. The study of free radicals removal from standard DNA molecule. Engineering and technology journal Vol (31), No. 7B, pp 174-180. [http://www.uotechnology.edu.iq/tec\\_magaz/index.htm](http://www.uotechnology.edu.iq/tec_magaz/index.htm)
8. Solid Waste Management in The Hospital and Institute of Radiation and Nuclear Medicine. 1st. scientific conference for environment and sustainable development 30-31/12/2013. [https://www.researchgate.net/publication/288991626\\_Solid\\_Waste\\_Management\\_in\\_The\\_Hospital\\_and\\_Institute\\_of\\_Radiation\\_and\\_Nuclear\\_Medicine](https://www.researchgate.net/publication/288991626_Solid_Waste_Management_in_The_Hospital_and_Institute_of_Radiation_and_Nuclear_Medicine)

9. The study of flower, root and leaves of marshmallow plant on healthy lymphocytes. (Complete).
10. Uses of polyphenyl alcohol PVA as adjuvant. 1<sup>st</sup> Women's Conference of the Ministry of Science and Technology.
11. Determination of microbial content in poultry meat in local Iraqi markets. Journal of microbiology research 2013, Vol 3, No. 6  
<http://article.sapub.org/pdf/10.5923.j.microbiology.20130306.02.pdf>
12. Investigate of *Ficus elastica* activity in soil cleaning from heavy metals. 3<sup>rd</sup> scientific conference of Baghdad University, college of science 24-26/March/ 2009.
13. Design of bio-system to treated the drinking water from nitrate and nitrite ions. 1<sup>st</sup> International environmental conference 22-23/11/2011, Karbala University.
14. The Biosorption of Cr (VI) From Aqueous Solution Using Date Palm Fibers (Leef). A I-Khwarizmi Engineering Journal, Vol. 6, No. 4, PP 31 - 36 (2010).  
<http://www.iasj.net/iasj?func=fulltext&aId=2214>
15. The Biosorption of Cr (VI) From Aqueous Solution Using Date Palm leaves (carab). Journal of College of Basic Education Researches.
16. Cytogenetic and Immunogenic Study of Type -2 Diabetes Mellitus Patients. International Journal of Diabetes research. 2013, Vol2 No.3.  
<http://article.sapub.org/pdf/10.5923.j.diabetes.20130204.03.pdf>
17. Comparative Assessment of Microbial Contamination from Swabs Collected within University Facilities. Journal of health science. 2013, Vol 3, No. 2.  
<http://article.sapub.org/pdf/10.5923.j.health.20130302.04.pdf>
18. Effect of Some Organophosphorus Insecticides on Soil Microorganisms Populations under lab condition. World Environment. 2013, Vol 3, No. 5.  
<http://article.sapub.org/pdf/10.5923.j.env.20130305.05.pdf>
19. Effect of Some Organ phosphorus Insecticides on unicellular fresh water algae. (Complete).
20. Chemical and physical properties of dust storm within Baghdad city. (Complete).
21. Cytogenetic effects of potassium bromate KBrO<sub>3</sub> associated with Iraqi baking industry. Indian Journal of Applied Research. vol, 4, Issue: 6, June - 2014  
[http://www.theglobaljournals.com/ijar/file.php?val=June\\_2014\\_1401955104\\_b8df3\\_190.pdf](http://www.theglobaljournals.com/ijar/file.php?val=June_2014_1401955104_b8df3_190.pdf)
22. The study of women infertility causes within Baghdad city. International Journal of Advanced Research (2014), Volume 2, Issue 4, 990-994 <http://journalijar.com/currentissue/?Mn=04&yr=2014>
23. Microbial Analysis and Cytogenetic Effects of Drinking Bottled Water. Indian Journal of Applied Research. Vol, 4, Issue: 6, June 2014.  
[http://www.theglobaljournals.com/ijar/file.php?val=June\\_2014\\_1401955147\\_b8df3\\_191.pdf](http://www.theglobaljournals.com/ijar/file.php?val=June_2014_1401955147_b8df3_191.pdf)
24. Environmental applications of salinity absorption from main outfall drain. (Complete).
25. [Phyto-chemical analysis of some Iraqi medicinal plants AM Haleem and Rana R. Al-Ani World Journal of Pharmaceutical Sciences 2 \(12\), 1837-1840.](#)
26. [Assessment of Bio-accumulation Radioactivity in Iraqi Wheat Grains](#)  
SA Amin, AA Ayub, AM Haleem, International Journal of Advanced Research 2 (10), 975-977.
27. [Physicochemical properties and radioactivity assessment of Iraqi dates, SA Amin, AA Ayub, AM Haleem, International Journal of Advanced Research 2 \(10\), 978-980.](#)
28. Dust Fallout Characteristics within Baghdad City during 2013, Azhar M. Haleem, Abdul Hameed M.J. Al Obaidy, Rana M. Badri, Journal of Natural Sciences Research Vol.5, No.6, 2015.
29. Measurement of environmental awareness of university of technology students towards some environmental statements, Azhar M Haleem, Eng. & Tech. Journal, Vol. 34, Part (B), No. 3, 201630.  
[http://www.uotechnology.edu.iq/tec\\_magaz/2016/volum342016/No.03,B.2016/Text%2015.pdf](http://www.uotechnology.edu.iq/tec_magaz/2016/volum342016/No.03,B.2016/Text%2015.pdf)
30. The Study of some Physical, Chemical and Microbiological Properties of Wheat and Date in Iraq" Eng. & Tech. Journal, Vol. 34, Part (B), No. 3, 2016

[http://uotechnology.edu.iq/tec\\_magaz/2016/volum342016/No.03.B.2016/Text 5.pdf](http://uotechnology.edu.iq/tec_magaz/2016/volum342016/No.03.B.2016/Text 5.pdf)

31. Isolation, purification and characterization of mitogenic protein from *Nigella sativa* seeds, Azhar M Haleem.

[https://www.researchgate.net/publication/341111675\\_Isolation\\_Purification\\_and\\_Characterization\\_of\\_Novel\\_Phytomitogen\\_from\\_Nigella\\_sativa\\_Seeds](https://www.researchgate.net/publication/341111675_Isolation_Purification_and_Characterization_of_Novel_Phytomitogen_from_Nigella_sativa_Seeds)

32. Development of water awareness among elementary students, case study within Baghdad city (completed)..

34. A field study of medication by herbal and medicinal plants within Baghdad markets (completed)..

35. Review study for integrated management of solid waste in Iraq (completed)..

36. Anti-dermatophyte effect of TiO<sub>2</sub> nanoparticles colloidal prepared by pulsed laser ablation (completed).

37. Cytogenetic Response Assessment to Imatinib Mesylate Therapy for Chronic Myeloid Leukemia in Iraqi Patients Azhar M Haleem.

[https://www.researchgate.net/publication/341822212\\_Cytogenetic\\_Response\\_Assessment\\_to\\_Imatinib\\_Mesylate\\_Therapy\\_for\\_Chronic\\_Myeloid\\_Leukemia\\_in\\_Iraqi\\_Patients\\_Azhar\\_M\\_Haleem\\_Cytogenetic\\_Response\\_Assessment\\_to\\_Imatinib\\_Mesylate\\_Therapy\\_for\\_Chronic\\_Myeloid\\_Leukemia\\_in\\_Iraqi\\_Patients\\_Azhar\\_M\\_Haleem\\_Cytogenetic\\_Response\\_Assessment\\_to\\_Imatinib\\_Mesylate\\_Therapy\\_for\\_Chronic\\_Myeloid\\_Leukemia\\_in\\_Iraqi\\_Patients\\_Azhar\\_M\\_Haleem](https://www.researchgate.net/publication/341822212_Cytogenetic_Response_Assessment_to_Imatinib_Mesylate_Therapy_for_Chronic_Myeloid_Leukemia_in_Iraqi_Patients_Azhar_M_Haleem_Cytogenetic_Response_Assessment_to_Imatinib_Mesylate_Therapy_for_Chronic_Myeloid_Leukemia_in_Iraqi_Patients_Azhar_M_Haleem_Cytogenetic_Response_Assessment_to_Imatinib_Mesylate_Therapy_for_Chronic_Myeloid_Leukemia_in_Iraqi_Patients_Azhar_M_Haleem)

38. Assessment of Uranium in Urine Samples of Primary School Students.

[https://www.researchgate.net/publication/341111636\\_Assessment\\_of\\_Uranium\\_in\\_Urine\\_Samples\\_of\\_Primary\\_School\\_Students](https://www.researchgate.net/publication/341111636_Assessment_of_Uranium_in_Urine_Samples_of_Primary_School_Students)

39. Fabrication and Characterization for Phosphate Nanofertilizer through Polymer Coating Technique.

[https://www.researchgate.net/publication/341111557\\_Fabrication\\_and\\_Characterization\\_for\\_Phosphate\\_Nanofertilizer\\_through\\_Polymer\\_Coating\\_Technique](https://www.researchgate.net/publication/341111557_Fabrication_and_Characterization_for_Phosphate_Nanofertilizer_through_Polymer_Coating_Technique)

40. Cytotoxic and Immunotoxic Associated with Occupational Chemical Exposure, Baghdad, Iraq.

[https://www.researchgate.net/publication/337733409\\_Cytotoxic\\_and\\_Immunotoxic\\_Associated\\_with\\_Occupational\\_Chemical\\_Exposure\\_Baghdad\\_Iraq](https://www.researchgate.net/publication/337733409_Cytotoxic_and_Immunotoxic_Associated_with_Occupational_Chemical_Exposure_Baghdad_Iraq)

41. Cytotoxic Effects of Titanium Dioxide Nanoparticles Synthesized by Laser Technique on Peripheral Blood Lymphocytes and Hep-2 Cell Line. September 2019 Toxicology and Environmental Health Sciences 11(3):219-225.

42. Air Quality Assessment of Some Selected Hospitals within Baghdad City.

[https://www.researchgate.net/publication/330556529\\_Air\\_Quality\\_Assessment\\_of\\_Some\\_Selected\\_Hospitals\\_within\\_Baghdad\\_City](https://www.researchgate.net/publication/330556529_Air_Quality_Assessment_of_Some_Selected_Hospitals_within_Baghdad_City)

43. Antimicrobial Activity of TiO<sub>2</sub> NPs against *Escherichia coli* ATCC 25922 and *Staphylococcus aureus* ATCC 25923.

[https://www.researchgate.net/publication/330556070\\_Antimicrobial\\_Activity\\_of\\_TiO2\\_NPs\\_against\\_Escherichia\\_coli\\_ATCC\\_25922\\_and\\_Staphylococcus\\_aureus\\_ATCC\\_25923](https://www.researchgate.net/publication/330556070_Antimicrobial_Activity_of_TiO2_NPs_against_Escherichia_coli_ATCC_25922_and_Staphylococcus_aureus_ATCC_25923)

44. Copper Oxide NPs: Synthesis and their Anti-Dermatophyte Activity against *Trichophyton rubrum*

[https://www.researchgate.net/publication/330556023\\_Copper\\_Oxide\\_NPs\\_Synthesis\\_and\\_their\\_Anti-Dermatophyte\\_Activity\\_against\\_Trichophyton\\_rubrum](https://www.researchgate.net/publication/330556023_Copper_Oxide_NPs_Synthesis_and_their_Anti-Dermatophyte_Activity_against_Trichophyton_rubrum)

45. Antimicrobial Activity of Titanium Dioxide Nanoparticles Using Laser Ablation Technique January 2018 Information Technology Journal 36(1):11-16.

[https://www.researchgate.net/publication/330556008\\_Antimicrobial\\_Activity\\_of\\_Titanium\\_Dioxide\\_Nanoparticles\\_Using\\_Laser\\_Ablation\\_Technique](https://www.researchgate.net/publication/330556008_Antimicrobial_Activity_of_Titanium_Dioxide_Nanoparticles_Using_Laser_Ablation_Technique)

46. Antibacterial Activity of Copper Oxide Nanoparticles against *Escherichia coli* ATCC 25922 and *Staphylococcus aureus* ATCC 25923.

[https://www.researchgate.net/publication/330555939\\_Antibacterial\\_Activity\\_of\\_Copper\\_Oxide\\_Nanoparticles\\_against\\_Escherichia\\_coli\\_ATCC\\_25922\\_and\\_Staphylococcus\\_aureus\\_ATCC\\_25923](https://www.researchgate.net/publication/330555939_Antibacterial_Activity_of_Copper_Oxide_Nanoparticles_against_Escherichia_coli_ATCC_25922_and_Staphylococcus_aureus_ATCC_25923)

47. Design a mechanical-biological system for treatment biological wastes (orange peels, Peel peas,

Okra shell) with optimization and qualification for liberal and residue products. February 2017 *Advances in Environmental Biology* 11(2):71-83.

[https://www.researchgate.net/publication/330556170\\_AENSI\\_Journals\\_Advances\\_in\\_Environmental\\_Biology\\_Design\\_a\\_mechanical-biological\\_system\\_for\\_treatment\\_biological\\_wastes\\_orange\\_peels\\_Peel\\_peas\\_Okra\\_shell\\_with\\_optimization\\_and\\_qualification\\_for\\_liberal](https://www.researchgate.net/publication/330556170_AENSI_Journals_Advances_in_Environmental_Biology_Design_a_mechanical-biological_system_for_treatment_biological_wastes_orange_peels_Peel_peas_Okra_shell_with_optimization_and_qualification_for_liberal)

48. Anti-dermatophyte Activity of TiO<sub>2</sub> NPs Colloidal Prepared by Pulsed Laser Ablation in Liquid Environment. December 2016 *Advances in Environmental Biology* 10(12):43-54.

[https://www.researchgate.net/publication/330555945\\_AENSI\\_Journals\\_Advances\\_in\\_Environmental\\_Biology\\_Anti-dermatophyte\\_Activity\\_of\\_TiO\\_2\\_NPs\\_Colloidal\\_Prepared\\_by\\_Pulsed\\_Laser\\_Ablation\\_in\\_Liquid\\_Environment](https://www.researchgate.net/publication/330555945_AENSI_Journals_Advances_in_Environmental_Biology_Anti-dermatophyte_Activity_of_TiO_2_NPs_Colloidal_Prepared_by_Pulsed_Laser_Ablation_in_Liquid_Environment)

49. Measurement of Environmental Awareness of University of Technology Students towards some Environmental Statements, engineering and technology journal, Vol, 34, No.3, 2016.

[https://www.researchgate.net/publication/320612197\\_Measurement\\_of\\_Environmental\\_Awareness\\_of\\_University\\_of\\_Technology\\_Students\\_towards\\_some\\_Environmental\\_Statements](https://www.researchgate.net/publication/320612197_Measurement_of_Environmental_Awareness_of_University_of_Technology_Students_towards_some_Environmental_Statements)

50. Effects of Some Organophosphorous Insecticides on Fresh Water algae under Lab Conditions. *Indian J.L.Sci.* 4 (1): 7-11, 2014.

[https://www.researchgate.net/publication/288993453\\_EFFECTS\\_OF\\_SOME\\_ORGANOPHOSPHOROUS\\_INSECTICIDES\\_ON\\_FRESH\\_WATER\\_ALGAE\\_UNDER\\_LAB\\_CONDITIONS](https://www.researchgate.net/publication/288993453_EFFECTS_OF_SOME_ORGANOPHOSPHOROUS_INSECTICIDES_ON_FRESH_WATER_ALGAE_UNDER_LAB_CONDITIONS)

51. Phytochemical analysis of some Iraqi medicinal plants. *World Journal of Pharmaceutical Sciences* 2(12):1837-1840, 2014.

[https://www.researchgate.net/publication/288993555\\_Phytochemical\\_analysis\\_of\\_some\\_Iraqi\\_medicinal\\_plants](https://www.researchgate.net/publication/288993555_Phytochemical_analysis_of_some_Iraqi_medicinal_plants)

52. The Study of Inhibitory Effects of Some Plant Extracts on Lymphocytes from Healthy Person. *Engineering and technology journal.* Vol31, No. 6, 2013.

[https://www.researchgate.net/publication/288991641\\_The\\_Study\\_of\\_Inhibitory\\_Effects\\_of\\_Some\\_Plant\\_Extracts\\_on\\_Lymphocytes\\_from\\_Healthy\\_Person](https://www.researchgate.net/publication/288991641_The_Study_of_Inhibitory_Effects_of_Some_Plant_Extracts_on_Lymphocytes_from_Healthy_Person)

53. Heavy metal and polycyclic aromatic hydrocarbons in cigarettes: An analytical assessment. *June 2020 Population Medicine* 2(June), DOI: 10.18332/popmed/122558.

[https://www.researchgate.net/publication/342533334\\_Heavy\\_metal\\_and\\_polycyclic\\_aromatic\\_hydrocarbons\\_in\\_cigarettes\\_An\\_analytical\\_assessment/comments](https://www.researchgate.net/publication/342533334_Heavy_metal_and_polycyclic_aromatic_hydrocarbons_in_cigarettes_An_analytical_assessment/comments)

54. The Chromosomal and Protein-Bound Thiocyanate Analyses in Car Painting Workers as a Marker of Cyanide Exposure. Accepted in *Annals of Tropical Medicine and Public Health*, August 2020.

55. Synthesis of AgNPs by plant extracts and detection of the biological application. Sent to 2<sup>nd</sup> international conference of applied science, university of technology.

56. Fabrication of Paper Bacterial Battery as a Sustainable Source of Energy. Sent to 2<sup>nd</sup> international conference of applied science, university of technology.

57. Effects of Laser on the Efficiency of Diesel Degrading Bacteria. Sent to 2<sup>nd</sup> international conference of applied science, university of technology.

58. Semi-Quantitative Risk Assessment in the Chemical. Accepted in *engineering and technology journal.* University of technology.

59. Radiological risk assessment of some consumed cigarettes and hookah in Iraq. Sent to *journal of Environment Health Science and Engineering.*

60. Histopathological and Cytogenetic Effects of Copper Oxide Nanoparticles in the Mice after Oral Administration, accepted in *Biochemical and Cellular Archives*, June, 2020.

61. Antioxidant and anti-proliferative activity of some new dithiocarbamates, Sent to 5<sup>th</sup> international conference of environment and sustainable development.2020.

62. The Zero-waste Design for the Municipal Solid Waste Management in Baghdad City. Sent to 5<sup>th</sup> international conference of environment and sustainable development.2020.

63. The effect of copper oxide nanoparticles prepared by laser ablation technique on the viability and

virulence of caries bacteria, Sent to 5<sup>th</sup> international conference of environment and sustainable development.2020.

64. Antilithiasic Effect of *Citrullus lanatus* Juice on Calcium Oxalate Kidney Stones. Sent to the Iraqi Journal of medical science, 2020.

65. Concentrations and Health Risks Assessment of Heavy Metals in Cigarettes within Baghdad City. Sent to 5<sup>th</sup> international conference of environment and sustainable development.2020.

66. COVID-19 Outbreaks: Responding, Risk Conception, Communication and Management.

Sent to population medicine, May, 2020.

67. Lateral Flow Immunoassay Based Colloidal Gold Nanoparticles for Detection of Organophosphorous pesticide (Propanoic) in Cow's Milk, Sent to 2<sup>nd</sup> international conference of applied science, university of technology

## **1. APPLIED REPORTS:**

1. Baghdad Environmental Status Report 2013.
2. Report of the reality of chemical residues in the University of Technology labs 2014.
3. Reviewing of many papers and thesis for national and international journals.

## **2. CONFERENCES:**

1. First Scientific Conference of Education College / University of Diyala 2000.
2. First scientific Conference of Biotechnology / Nahrain University in 2001.
3. Third Scientific Conference of Science College / Mustansiriya University in 2002.
4. Sixth Scientific Conference of Science College / Mustansiriya University in 2010.
5. Sixth Scientific Conference of Science College / Baghdad University in 2009.
6. First Scientific Conference of Environment / Karbala University 2011.
7. First feminist Conference / Ministry of Science and Technology 2012.
8. 1<sup>st</sup> conference of environment and sustainable development 29-30/ December /2013.
9. 2<sup>nd</sup> conference of environment and sustainable development 28-29/ October/2015.
10. 3<sup>rd</sup> conference of environment and sustainable development 28-29/ November/2017.
11. 4<sup>th</sup> conference of environment and sustainable development 24-26/ November/2018.
12. 5<sup>th</sup> conference of environment and sustainable development / April /2021.
13. 2<sup>nd</sup> conference of applied science/ university of technology. March 2021.

## **14. EIA PROJECTS:**

1. Darul Uloom Printing Company
2. Al-Wefaq Printing Company
3. Anwar Al-Sharqia company for plastic
4. Abbas factory for plastic
5. Al-Bydaa Company for Aluminum
6. More than 10 Flour Milling
7. Al-Fahad company for Spices Milling
8. More than 5 Factory for Chips
9. More than 10 Roasting and Peeling Nuts Plant
10. Asalat Al-Sharq Company for Bottled Water and Juices
11. More than 30 Poultry Field
12. Muslim Plant to Produce Cartoons
13. Sada Al-Khaleej for Cosmetic
14. Essaouira General Hospital
15. Surgical Clinic
16. Al-Naqaa Surgical Clinic
17. Al-Faloja Surgical Clinic
18. Veterinarian Clinic



19. Karbala Plant Pharmaceuticals
20. Al-Afrah Company for the Pharmaceutical Industry
21. Asia Manufacturing Co. for paints and pastes
22. Al-Farasha company for paints and pastes
23. Yuser Fodder plant
24. More than 7 Dates Store
25. More than 5 Cooler Store
26. More than 120 Bakery and Pastry
27. Salems House Plant for Food Industry
28. Dijelah for Photograph
29. Al-Mylad Factory for Juice, Ice cream and Dairy
30. Al-Hamra factory for Juice, Ice cream and Dairy
31. Al-Wadaq Company for Mashroom
32. Anwar factory honeyed
33. Telecom Tower
34. A radio Broadcast Tower
35. Abdullah for Blacksmithing
36. Al-Sharq company for gratings reinforcement
37. Lebanon Factory Steikr
38. Atta Factory for Mastic and limestone.
39. Ghandy Factory for Dates Processing
40. More than 10 Fattening Calves Field
41. More than 10 Pots and Aluminum Industry Plant
42. More than 30 Bottled Water Factory
43. Asysaban Factory for Wipes
44. More than 90 EIA for Korek telecom.
45. Asia limited company for medicinal and medical supplies.
46. Aswira general hospital.
47. More than 3 Mosque