**أ.د. نهاية حكمت زكي**

***الجامعة المستنصرية – كليةالعلوم--***

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ملخص تعريفي:

**عضو هيئة التدريس في قسم علوم الحياة، تخصص علم الأحياء الدقيقة / علم فسلجه بكتيريا، خبرة في الدراسات العلمية متعددة التخصصات لطلاب البكالوريوس والدراسات العليا.**

**الشهادات الدراسية:**

* دكتوراه احياء مجهرية/ فسلجة بكتريا 2004، الجامعه المستنصرية.
* ماجستير احياء مجهرية 1995، الجامعه المستنصرية.
* بكالوريوس احياء مجهرية 1988، جامعة بغداد.

**الجوائز والتكريم الأكاديمي**

* براءة اختراع عن تصنيع وسط زرعي محلي للبكتريا المرضية.
* وسام ودرع الابداع العلمي في معرض براءات الاختراع في جامعة الكرخ.
* درع التميزفي معرض الملصقات العلمية في جامعة سامراء
* وسام باحث مبادر في منصة اريد العلمية.
* وسام باحث ناشط من منصة اريد العلمية
* كتب شكر من رئاسة الوزراء
* كتب شكر من وزير التعليم العالي والبحث العلمي
* كتاب شكر من وزير الشباب والرياضة
* شهادة تقديرية للمشاركه بمؤتمر ترصين التعليم العالي في العراق 2016.
* كتب شكر من رئيس الجامعة المستنصرية
* كتب شكر من رئيس جامعة الكرخ للعلوم
* كتاب شكر من رئيس جامعة تكريت
* كتب شكرمن رئيس رابطة علوم المواد والنانوتكنولوجي
* كتب شكر من عميد كلية العلوم- الجامعة المستنصرية
* كتب شكر من عميد كلية العلوم- جامعة بغداد
* كتاب شكر من عميد جامعة واسط
* كتاب شكر من عميد كلية التربية في جامعة سامراء
* كتب شكر وتقدير من رئيس قسم علوم الحياة
* كتاب شكر من كلية الصيدلة في جامعة بغداد
* كتب شكر من رئيس تحريرمجلة كلية العلوم في جامعة بغداد
* كتب شكر وتقدير من جمعية صيانة المصادر الوراثية والبيئية العراقية
* شكر وتقدير من مركز بحوث ومتحف التاريخ الطبيعي

**الخبرة الأكاديمية والتدريس:**

#1 الخبرة الاكاديمية

* القاء محاضرات الكترونية في كل من جامعة البصرة، الموصل، وأيضا في مصر.
* تقييم علمي لعدد من الرسائل والاطاريح لطلبة الماجستير والدكتوراه.
* تقييم علمي لبحوث محلية وعالمية.
* تقويم علمي لبحوث الترقية العلمية.
* الاشراف على عدد من طلبة الدراسات العليا.
* الاشراف على مشاريع بحوث طلبة المرحلة الرابعة.

2# التدريس- الدراسات الاوليه

* التقانة الاحيائية
* علم النانوتكنولوجي
* الهندسة الوراثية
* فسلجة بكتريا
* علم الوراثة العام.
* علم وراثة الاحياء المجهرية .
* تحليلات مرضية.
* علم الأحياء المجهرية الصناعية.
* علم الأحياء المجهرية الغذائية
* البكتريا المرضية

الدراسات العليا

* فسلجة بكتريا متقدم لطلبة الماجستير
* علم البايو- نانوتكنولوجي
* فعاليات ايضية ميكروبية لطلبة الدكتوراه
* دوريات علمية
* مشكله خاصة لطلبة الدراسات العليا

**المقررات الدراسية التي تم تدريسها:**

|  |  |
| --- | --- |
| **الدراسات الأولية** | **الدراسات العليا** |
| التقانة الاحيائية  علم النانوتكنولوجي  الهندسة الوراثية  فسلجة بكتريا  علم الوراثة العام.  علم وراثة الاحياء المجهرية  - تحليلات مرضية.  -علم الأحياء المجهرية الصناعية.  علم الأحياء المجهرية الغذائية  البكتريا المرضية | علم البايو-نانوتكنولوجي  تقانة احيائية متقدم  فسلجة بكتريا متقدم لطلبة الماجستير  فعاليات ايضية ميكروبية لطلبة الدكتوراه  دوريات علمية  مشكله خاصة لطلبة الدراسات العليا |

**الأنتساب المهني او الجمعيات:**

-عضو في الرابطة العربية لعلوم المواد والنانوتكنولوجي

-عضو في الجمعية الامريكية للمايكروبايولوجي

- عضو في مركز الابداع والابتكار

-رئيس لجنة التعليم المستمر في قسم علوم الحياة

- رئيس لجنة استلال الرسائل والاطاريح في قسم علوم الحياة

- رئيس لجنة استلال لبحوث الترقية العلميه

- رئيس لجان مناقشة طلبة الدراسات العليا

- رئيس لجنة السلامة المهنية.

- رئيس لجنة المكتبة.

* عضو في مجلس قسم علوم الحياة
* عضو في لجنة تقييم اداء منتسبي قسم علوم الحياة
* عضو لجنة امتحان شامل لطلبة الدكتوراه
* عضو لجنة مناقشة مشاريع خطط بحوث طلبة الدكتوراه
* عضو لجنة مناقشة سمنارات طلاب الدراسات العليا
* عضو لجنة الدراسات العليا في كلية العلوم
* عضو في اللجنة العلميه في كلية العلوم
* عضو لجنة الامتحان التنافسي لطلبة الدراسات العليا
* عضو في لجنة مناقشة طلبة المرحلة الرابعه
* عضو في لجان استلال البحوث لاغراض الترقيه العلمية
* عضو لجنة تقنية النانو بكلية العلوم.
* عضو في لجان مناقشة طلبة الدكتوراه
* عضو في لجان مناقشة طلبة الماجستير
* كابس علمي لمناقشة طالبة ماجستير
* عضو لجنة امتحانية.
* عضو اللجنة البيولوجيه العراقيه.

**المنشورات العلمية**

* بحوث علمية.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| تاريخ النشر | اسم المجلة /المجلد  العدد | بلد النشر | اسم البحث | اللقب العلمي | اسم التدريسي |
| 1999 | مجلة علوم المستنصرية/  No.309 | العراق | |  |  | | --- | --- | | 1-Isolation and identification of local  lactic acid bacteria |  | | استاذ | د.نهاية حكمت زكي |
| 1999 | مجلة علوم المستنصرية/  No.310 | = | 2-Subjection of lactic acid bacteria to NTG and UV for improving acid production. |
| 2002 | مجلة علوم المستنصرية/  13:(1) | = | 3- Post operative wound infection. |
| 2002 | مجلة علوم المستنصرية/  13:(1) | = | 4- المسببات المرضية لخمجات العيون ومدى استجابتها للمضادات الحياتية. |
| 2007 | مجلة علوم المستنصرية/  19:(2) | = | 5- Purification and characterization of intracellular chromate reductase from *Pseudomonas putida* isolated from soil. |
| 2008 | مجلة علوم المستنصرية/  19:(4) | = | 6- عزل ابواغ بكتريا *Bacillus subtilis* من العسل العراقي واستخدام البروبولس لتثبيطها مع انواع بكتيرية اخرى ملوثة للجروح. |
| 2009 | مجلة علوم ديالى/37 | = | 7-A novel biochemical study on carboxymethyl cellulase (endo-1,4-ß-D-glucanase) produced by *Enterobacter cloacae* isolated from soil. |
| 2010 | مجلة ابن الهيثم للعلوم الصرفة والتطبيقية/ 23:(1) | = | 8- Purification, Characterization and antifungal activity of chitinase from *Serratia marcescens* isolated from fresh vegetables. |
| 2011 | مجلة علوم النهرين/  vol.15(1) | = | 9- Production, purification and characterization of an extracellular lipase from *Serratia marcescens* and its potential activity for hydrolysis of edible oils. |
| 2012 | المجلة العراقية للعلوم الصيدلانية/ vol.11(1) | = | 10- Respiratory distress and the bacteria causing in the neonates. |
| 2014 | Diyala journal for pure sciences, 10(3): pp.54-61. | Iraq | 11-(Purification and characterization of exoinulinase from Pseudomonas putida isolated from agricultural waste materials). |  |  |
| 2014 | J.of genetic and environmental resources conservation, 2(3):pp.388-394. | Sewed | 12-(Comparative study for detection of group B Streptococci (GBS) by bacteriological culture and molecular methods). |
| 2015 | International Journal of Current Microbiology and Applied Sciences, vol.4 no.1: pp.419-436. | Sewed | 13-(Prevalence of macrolide resistance genes among group B Streptococci in pregnant women). |
| 2015 | Journal of Pharmaceutical and Scientific Innovation, 4(1): pp.36-41. | India | 14-(The effect of some extracted compounds from the algae *Oscillatoria tenius* against pathogenic bacteria). |
| 2015 | World journal of pharmacy and pharmaceutical sciences.4(3): pp.774-84 | India | 15-(Antibacterial effect of Ginger and Black pepper extracts (alone and in combination) with Sesame oil on some pathogenic bacteria). |
| 2015 | International Journal of Scientific & Engineering Research, Volume 6, Issue 12, December | Iraq | 16- Determination of lipase production and partial purification from local bacterial and micro algal isolates |
| 2016 | Applied microbiology, 2:2 | U.S.A | 17- New Natural Medium Using *Vitis vinirfera* for Siderophore Production from Clinical Isolates of *Klebsiella pneumonia* |
| 2016 | Iraq journal of Science,  57:4 | Iraq | 18- The evaluation effect of TiO2 nanoparticles on different bacterial strains isolated from water purification stations in Baghdad. |  |  |
| 2016 | J. of genetic and environmental resources conservation, 4(2):pp.197-203. | Sewed | 19- Enhanced antibacterial and antibiofilm activities of biosynthesized silver nanoparticles against pathogenic bacteria. |  |  |
| 2016 | Iraqi women Conference, special issue | Iraq | 20- Investigation the antibacterial effect of Ag- Nps on different bacterial isolates from Tigris River |  |  |
| 2016 | Advanced in Environmental Biology, 10(10):6-12 | Jordan | 21- Determination the antibacterial activity of Ag-nanoparticlas produce biologically from different algae spp. |  |  |
| 2017 | Current Research in Microbiology and Biotechnology Vol. 5, No. 2 (2017): 1012-1017 | India | 22- Production of bioplastic by bacteria isolated from local soil and organic wastes |  |  |
| 2017 | Journal of Gene c and Environmental Resources Conserva on, 2017, 5(1):28-32. | Sewed | 23- Correlation between biofilm, protease production and antibiotic resistance in clinical bacterial isolates |  |  |
| 2017 | Fac Med Baghdad, Vol.59, No.3,pp. 268-274 | Iraq | 24- Immunostimulatory, Antibacterial and antibiofilm activity of purified Donkey colostrums lactoferrin on multidrug resistance *Serratia liquefaciens* producing *Intl* gene |  |  |
| 2018 | Microbial Pathogenesis, 116(1):  200-208 | USA | 25- Investigating the effect of biosynthesized silver  nanoparticles on *E.coli* biofilm and reduction of its formation |  |  |
| 2018 | INTERNATIONAL JOURNAL of research in pharmaceutical Sciences, 9(1):  165-173 | India | 26- Effects of green algae *Chlorella Vulgaris*, extracts  and its bioactive substances on the biofilm-producing  microorganism |  |  |
| 2018 | Pak. J. Biotechnol., 15(1):  129-134 | Pakistan | 27- TLR2 AND TLR4 AS A BIOMARKER OF BACTERIAL  SEPSIS SYNDROME IN ADULT AND CHILDREN PATIENTS  IN IRAQ |  |  |
| 2018 | journal of pharmaceutical science and research, 10(1):  100-105 | India | *28-In vitro* Connection Between Biofilm Formation  and Virulence factors of Pathogenic Ear Bacteria |  |  |
| 2018 | Journal of Global Pharma Technology, 10(3):  281-288 | India | 29- Antibiofilm Activity of Intracellular Extracts of  *Westiellopsis prolifica* Isolated From Local  Environment in Baghdad |  |  |
| 2018 | Al-Mustansiriyah Journal of Science, Volume 29, Issue 1,67-74. | Iraq | 30- Biodegradable Plastic Production by *Bacillus* spp. Isolated from Agricultural Wastes and Genetic Determination of PHA Synthesis |  |  |
| 2018 | Al-Mustansiriyah Journal of Science, Volume 29, Issue 3,42-49. | Iraq | 31- Antimicrobial Activity of Freshwater Cyanobacterium *Westiellopsis prolifica* |  |  |
| 2019 | Engineering and Technology Journal, | Iraq | 32- Biofilm Inhibitory Potential of *Westiellopsis*  *prolifica* Extract Against Some Pathogenic Microorganisms |  |  |
| 2019 | Journal of Global Pharma Technology, | India | 33- Evaluate the Effect of Biosynthesized Silver nanoparticles on Wound Healing in Experimental Mice. |  |  |
| 2020 | International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 08. | U.K. | 34- Using of TLR2 and TLR4 as Biomarker of  Sepsis Severity Detection |  |  |
| 2020 | Al-Mustansiriyah Journal of Science | Iraq | 35- The Biological Activity of Protein Extracts of Bacillus spp. Isolated from Soil against Some Pathogenic Bacteria |  |  |
| 2020 | Al-Mustansiriyah Journal of Science, | Iraq | 36- Effect of Bacterial Isolates from Soil Samples on Bisphenol A |  |  |
| 2020 | Al-Kufa University Journal for Biology, | Iraq | 37- Antibacterial and anti-biofilm activities of Neem gum (Azadirchta indica) and Arabic gum (Acacia senegal) extracts on human pathogenic bacteria |  |  |
| 2020 | BAGHDAD SCIENCE JOURNAL, | Iraq | 38- The Biofilm Inhibitory Potential of Compound Produced from Chlamydomonas reinhardtii Against Pathogenic Microorganisms |  |  |
| 2020 | Egyptian Journal of Medical Human Genetics | Egypt | 39- Susceptibility role of soluble HLA-G and HLA-G 14-bp insertion/deletion polymorphism in inflammatory bowel disease |  |  |
| 2021 | Iraqi Journal of Science, 2021, Vol. 62, No. 8, pp: 2526-2535 | Iraq | 40- Roles of IL-17A and IL-23 in the Pathogenesis of Ulcerative Colitis and Crohn’s Disease. |  |  |
| 2021 | Egyptian Journal of Medical Human Genetics، (2021) 22:34 | Egypt | 41- Genetic polymorphism of HLA-G gene (G\*01:03, G\*01:04, and G\*01:05N) in Iraqi patients with inflammatory bowel disease (ulcerative colitis and Crohn's disease) |  |  |
| 2021 | Medico-legal Update, April-June 2021, Vol. 21, No. 2  1099. | India | 42- Role of Intestinal Microbiota and its Virulence Factors in Pathogenesis of Inflammatory Bowel Disease |  |  |
| 2021 | Caspian J. Environ. Sci., | Iran | 43- Evaluating  the biological activities of biosynthesized ZnO nanoparticles using Escherichia coli |  |  |
| 2021 | Annals of R.S.C.B., | Romania | 44- Synergic  Effect of Biosynthesized ZnO- Nanoparticles with Some Antibiotic on Multi-Drug Resistance Bacteria |  |  |
| 2021 | Annals of R.S.C.B., Vol. 25, Issue 2, 2021, Pages. 3851 – 3859. | Romania | 45- Antibacterial  Effect of *Spirulina platensis* Extracts on the Viability of Bacterial Species Isolated from Acne Patients in Baghdad |  |  |
| 2021 | Biosc.Biotech.Res.Comm. Special Issue Vol 14 No 07 (2021) Pp-235-239 | India | 46- Cytotoxic  Potential of Amygdaline Zinc Nano Particles on PC3 and MCF7 Cell Lines |  |  |
| 2021 | International Journal of Drug Delivery Technology. 2021;11(4):1262-1268. | India | 47- Antibacterial, Antibiofilm and Anticancer Activities of Ethyl Acetate Extract of Bacillus spp. |  |  |
| 2022 | Mal. J. Med. Health Sci. 18(SUPP4): 11-16 | Malaysia | 47- Anti-bacterial and Anti-tumoral Activities of Spirulina Platensis Extracellular Extract. |  |  |
| 2022 | Arab Journal for Scientific Publishing (AJSP) / Special Edition | Jordan | 49-Biological Activities of Klebsiella .1 Pneumoniae Lipopolysaccharide Coating by ZnO-nanoparticles” |  |  |
| 2022 | BNIHS, Volume 140, Issue 02 | Japan | 50- Synergic Effect of ZnO- nanoparticles combined with lipopolysaccharide from Klebsiella pneumoniae on cancer cell line |  |  |
| 2022 | Archives of Razi Institute, Vol. 77, No. 5 (2022) 1821-1829 | Iran | 51- in vivo Evaluation of Immunomodulatory Activity of Lipopolysaccharide Zinc Oxide Nanoparticles (LPS-ZnNPS) |  |  |
| 2022 | Proceeding of the 1st International Conference on Advanced Research in Pure and Applied Science (ICARPAS2021) AIP Conf. Proc. 2398, 040026-1–040026-8; | America | 52- Investigating the antimicrobial and anticancer action of spirulina hexane extract. |  |  |
| 2022 | Azerbijan medical journal , Volume 62, Issue 10 | Azerbijan | Biosynthesized Ag-nanoparticles activity against *blaCTX*, *blaTEM entB*, *htrA* of *Klebsiella pneumoniae* isolated from different clinical sources |  |  |
| 2022 | [Vol. 31 No. 4 (2022) Chinese Journal of Medical Genetics](http://zhyxycx.life/index.php/cjmg/issue/view/23) | China | The effect of biosynthesized ag-nanoparticles on klebsiella pneumoniae biofilm and some virulence genes. |  |  |
| 2022 | **J. for Engineering and Science , vol. 4, No. 4,** | Iraq | Comparative study: To prepare nanoscale lithium oxide using different materials on the properties of the material and its effect on antifungals |  |  |
| 2023 | HIV Nursing, 23:(3) | UK | **Antibacterial and anticancer activities of free and immobilized elastase produced by Klebsiella pneumoniae** |  |  |
| 2023 | HIV Nursing, 23:(3) | UK | Cytotoxic effect of free and immobilized elastase from klebsiella pneumoniae in vitro and in vivo |  |  |
| 2023 | Medical Microbiology, | UK | **Evaluation of the effect of purified prolidase from Escherichia coli on some immunological aspects** |  |  |

**تطوير المهارات:**

* شهادات المشاركة

شهادة مشاركة في دورة فاحصي براءات الاختراع

شهادة مشاركة في دورة الإحصاء في البصرة

شهادة مشاركة في دورة جودة المختبرات

شهادة مشاركه في الدوره العلميه التخصصية لتقنية RT-PCR

شهادة مشاركه في الدوره العلميه التخصصية الاولى لتقنية PCR

شهادة مشاركه في الدوره العلميه التخصصية لتقنية تصميم البوادئPrimer design

شهادة مشاركة في الدوره التدريبية بعنوان التطبيقات الاحصائية في البحوث البايولوجية

اختبارات الدورة المتخصصة الأولى لتقنية الاليزا والتقنيات المصلية.

الدورة المتخصصة الأولى للتحليل الآلي (HPLC, GC, GC mass, IR,ICP, etc)

دورة الإنترنت والحوسبة الأساسية شهادة IC3 .

دورة في انظمة الحاسوب.

دوره تدريبية في اللغة الإنجليزية .

دورة تدريس جامعة المستنصرية

امتحانات الكفاءة اللغوية الأجنبية،.

* المؤتمرات
* المشاركة في مؤتمر السلامة البايولوجية والكيميائية في جامعة بابل

شهادة مشاركه في مؤتمر ترصين التعليم العالي في العراق/ جامعة بغداد

شهادة مشاركه في المؤتمرالدولي الاول للعلوم الجنائيه والطب العدلي في العراق/ جامعة النهرين

مشاركه في المؤتمر العلمي الثالث لكلية طب الكندي

مشاركة في المؤتمر العلمي السنوي للمركز الوطني لبحوث وعلاج امراض الدم

مشاركه في المؤتمرالعلمي الدولي الاول للعلوم البايولوجيه في جامعة بغداد

مشاركة في المؤتمر العلمي الدولي في تطبيقات الليزر والمواد المتقدمه

مشاركه في المؤتمر العلمي الثالث للوراثة والبيئه

المشاركه في المؤتمر العلمي لمدينة الطب

المؤتمر الدولي الثاني لعلوم الحياة؛ كلية العلوم، جامعة المستنصرية.

الخامسة العلمية المؤتمر من كلية العلوم -جامعة المستنصرية

المؤتمر "العلمي السادس" لكلية العلوم/جامعة المستنصرية.

المؤتمر "العلمي الرابع" لكلية الطب/جامعة المستنصرية.

المؤتمر "العلمي السابع" لكلية العلوم/جامعة المستنصرية.

المؤتمر العلمي الدولي الثالث في تقنية النانو والمواد المتقدمة وتطبيقاتها. تقنية النانو، مركز "بحوث المواد المتقدمة"/جامعة التكنولوجيا. . الندوة الوطنية للتشخيص المبكر لمرض السل.

مؤتمر التكنولوجيا الحيوية، مركز النهرين للدراسات الاستراتيجية

* ورش العمل

ورشة عمل بعنوان الامن والامان الحيوي والكيمياوي والاشعاعي والنووي في المختبرات الجامعيه في الجامعه المستنصرية

المشاركه في ورشة عمل (معايير المختبر الجيد) /وحدة ضمان جودة المختبرات شعبة ضمان الجوده/ الجامعه المستنصرية

ورشة عمل بعنوان تشخيص وعلاج ضغط الدم في مؤتمر كلية طب الكندي

ورشة عمل الموسومة الوسائل البديلة والحديثة في علاج الامراض في جامعة بغداد

المشاركه في ورشة التنوع الاحيائي في مركز بحوث البيئه في الجامعه التكنلوجية

المشاركه في ورشة عمل الامن والامان الحيوي في الجامعه التقنية الوسطى

المشاركه في ورشة العمل التثقيفيه الخاصة بداء السكري في الجامعه المستنصرية

اضافة الى اكثر من 70 ندوه في الجامعة المستنصرية ، جامعة بغداد، الجامعة التكنلوجية، جامعة النهرين، جامعة البصرة وجامعة الكرخ

***Curriculum Vitae***

**Prof. Dr. Neihaya Heikmat Zaki**

***Mustansiriyah University – College of --Science--------***

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**Personal Summary:**

**One of teaching staff in the Department of Biology, specialty Microbiology/Bacterial physiology, teach at the universities of Baghdad and Mustansiriyah, experience interdisciplinary scientific studied for undergraduate students and postgraduate studies (masters and doctorate).**

**Education:**

* Ph.D. in Microbiology / Bacterial physiology, 2004, Mustansiriyah University.
* M.Sc. in Microbiology, 1995, Mustansiriyah University.
* B. Sc (Biology/Microbiology), 1988. University of Baghdad.

**ACADEMIC HONORS AND AWARDS:**

* A patent on preparing a new culture medium for pathogenic bacteria
* Medal and shield of scientific creativity at the Patent Exhibition at Al-Karkh University.
* Shield of Excellence in the Scientific Poster Exhibition at the University of Samarra
* Medal of an entrepreneurial researcher in ARID Scientific Platform.
* Medal is an active researcher from ARID scientific platform
* Thanks letter from the Minister of Higher Education and scientific research
* Thanks letter from the Minister of Youth and Sports
* Discretionary certification to participate in the Conference of Iraq's higher education.
* Letters of thanks from Mustansiriyah university president.
* Letters of thanks from AL-Karkh university president
* Letters of thanks from Tikreet university president
* Letters of thanks from college of science dean of Mustansiriyah university.
* Letter of thanks from college of Education for Pure Sciences university.
* Letter of thanks from college of science of AL-Mosul university.
* Letter of thanks from college of science of AL-Basra university.
* Letter of thanks from Swedish Iraqi studies network.
* Letter of thanks from college of science of Wasit university.
* Letter of thanks from ARID.
* Letter of thanks from Biology department head.
* Letter of thanks letter from the College of Pharmacy at the University of Baghdad
* Letter of thanks letter from the College of science at the University of Baghdad.
* Letter of thanks from Association maintenance of genetic and environmental sources.
* Letter of thanks from the Iraqi Center research and natural history museum.

**ACADEMIC /TEACHING EXPERIENCE:**

* Electronic lectures at the University of Basra, Mosul, and also in Egypt.
* Scientific reviewer of a number of theses for master's and doctoral students.
* Scientific reviewer of local and international researches.
* Scientific reviewer of scientific promotion research.
* Supervising a number of graduate students.
* Supervising the research projects of the fourth stage students.

#1: Undergraduate Teaching at Mustansiriyah University and Baghdad University.

1. Biotechnology
2. Nanotechnology
3. Genetic engineering
4. Bacterial Physiology.
5. General Genetics.
6. Microbial Genetics.
7. Pathological analyzes.
8. Industrial Microbiology.
9. Food Microbiology.
10. Bacterial pathology

#2: Postgraduate Teaching (M.Sc and PhD Students) at Mustansiriyah University

1. Bio-Nanotechnology.
2. Biotechnology.
3. Microbial metabolic activities
4. Master seminars.
5. Advanced Bacterial Physiology.
6. Special problems Discussion.

**COURSES TAUGHT:**

|  |  |
| --- | --- |
| **Undergraduate** | **Graduate** |
| 1. Biotechnology 2. Nanotechnology 3. Genetic engineering 4. Bacterial Physiology. 5. General Genetics. 6. Microbial Genetics. 7. Pathological analyzes. 8. Industrial Microbiology. 9. Food Microbiology 10. Bacterial pathology | 1-Bio-Nanotechnology  2-Biotechnology  3-Microbial metabolic activities  4-Master seminars.  5-Advanced Bacterial Physiology.  6-Special problems Discussion. |

**PROFESSIONAL AFFILIATIONS:**

-Member of the Arab Association for Materials Science and Nanotechnology

-Member of the American Society of Microbiology

- Member of the Creativity and Innovation Center

-Chairman of the Continuing Education Committee in the Department of Biology.

Chairman of plagiarisms committee of thesis in biology department

-Chairman of the scientific research promotion upgrades committee.

- Committee Chairman of discuss graduate students.

-President of occupational Safety Committee.

- President of library committee.

* Member of the committees of plagiarisms for postgraduate thesis.
* Member of Primary Curriculum Update Committee
* Member of the Committee to assess the performance of the employees of the Department of Biology.
* Member of the Committee to comprehensive exam for the doctorate
* Committee member of discussion draft research plan of the doctorate
* Committee member of discussion seminars graduate students.
* Member of the Scientific Committee.
* Member of postgraduate committee in Science College.
* Member of the committees of plagiarisms for scientific research.
* Member of Nanotechnology committee in Science College.
* Member of Committee on the competitive examination for postgraduate.
* Member of the Committee to discuss the fourth stage students.
* Scientific observer for postgraduate student.
* Member of the Commission to discuss master students.
* Member of the Commission to discuss doctorate students.
* Member of the Examination Committee.
* Member of the Iraqi biologist committee.
* Member of the American Society for Microbiology (ASM).

**PUPLICATIONS:**

* Papers.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| تاريخ النشر | اسم المجلة /المجلد  العدد | بلد النشر | اسم البحث | اللقب العلمي | اسم التدريسي |
| 1999 | مجلة علوم المستنصرية/  No.309 | العراق | |  |  | | --- | --- | | 1-Isolation and identification of local  lactic acid bacteria |  | | استاذ | د.نهاية حكمت زكي |
| 1999 | مجلة علوم المستنصرية/  No.310 | = | 2-Subjection of lactic acid bacteria to NTG and UV for improving acid production. |
| 2002 | مجلة علوم المستنصرية/  13:(1) | = | 3- Post operative wound infection. |
| 2002 | مجلة علوم المستنصرية/  13:(1) | = | 4- المسببات المرضية لخمجات العيون ومدى استجابتها للمضادات الحياتية . |
| 2007 | مجلة علوم المستنصرية/  19:(2) | = | 5- Purification and characterization of intracellular chromate reductase from *Pseudomonas putida* isolated from soil. |
| 2008 | مجلة علوم المستنصرية/  19:(4) | = | 6- عزل ابواغ بكتريا *Bacillus subtilis* من العسل العراقي واستخدام البروبولس لتثبيطها مع انواع بكتيرية اخرى ملوثة للجروح. |
| 2009 | مجلة علوم ديالى/37 | = | 7-A novel biochemical study on carboxymethyl cellulase (endo-1,4-ß-D-glucanase) produced by *Enterobacter cloacae* isolated from soil. |
| 2010 | مجلة ابن الهيثم للعلوم الصرفة والتطبيقية/ 23:(1) | = | 8- Purification, Characterization and antifungal activity of chitinase from *Serratia marcescens* isolated from fresh vegetables. |
| 2011 | مجلة علوم النهرين/  vol.15(1) | = | 9- Production, purification and characterization of an extracellular lipase from *Serratia marcescens* and its potential activity for hydrolysis of edible oils. |
| 2012 | المجلة العراقية للعلوم الصيدلانية/ vol.11(1) | = | 10- Respiratory distress and the bacteria causing in the neonates. |
| 2014 | Diyala journal for pure sciences, 10(3): pp.54-61. | Iraq | 11-(Purification and characterization of exoinulinase from Pseudomonas putida isolated from agricultural waste materials). |  |  |
| 2014 | J.of genetic and environmental resources conservation, 2(3):pp.388-394. | Sewed | 12-(Comparative study for detection of group B Streptococci (GBS) by bacteriological culture and molecular methods). |
| 2015 | International Journal of Current Microbiology and Applied Sciences, vol.4 no.1: pp.419-436. | Sewed | 13-(Prevalence of macrolide resistance genes among group B Streptococci in pregnant women). |
| 2015 | Journal of Pharmaceutical and Scientific Innovation, 4(1): pp.36-41. | India | 14-(The effect of some extracted compounds from the algae *Oscillatoria tenius* against pathogenic bacteria). |
| 2015 | World journal of pharmacy and pharmaceutical sciences.4(3): pp.774-84 | India | 15-(Antibacterial effect of Ginger and Black pepper extracts (alone and in combination) with Sesame oil on some pathogenic bacteria). |
| 2015 | International Journal of Scientific & Engineering Research, Volume 6, Issue 12, December | Iraq | 16- Determination of lipase production and partial purification from local bacterial and micro algal isolates |
| 2016 | Applied microbiology, 2:2 | U.S.A | 17- New Natural Medium Using *Vitis vinirfera* for Siderophore Production from Clinical Isolates of *Klebsiella pneumonia* |
| 2016 | Iraq journal of Science,  57:4 | Iraq | 18- The evaluation effect of TiO2 nanoparticles on different bacterial strains isolated from water purification stations in Baghdad. |  |  |
| 2016 | J. of genetic and environmental resources conservation, 4(2):pp.197-203. | Sewed | 19- Enhanced antibacterial and antibiofilm activities of biosynthesized silver nanoparticles against pathogenic bacteria. |  |  |
| 2016 | Iraqi women Conference, special issue | Iraq | 20- Investigation the antibacterial effect of Ag- Nps on different bacterial isolates from Tigris River |  |  |
| 2016 | Advanced in Environmental Biology, 10(10):6-12 | Jordan | 21- Determination the antibacterial activity of Ag-nanoparticlas produce biologically from different algae spp. |  |  |
| 2017 | Current Research in Microbiology and Biotechnology Vol. 5, No. 2 (2017): 1012-1017 | India | 22- Production of bioplastic by bacteria isolated from local soil and organic wastes |  |  |
| 2017 | Journal of Gene c and Environmental Resources Conserva on, 2017, 5(1):28-32. | Sewed | 23- Correlation between biofilm, protease production and antibiotic resistance in clinical bacterial isolates |  |  |
| 2017 | Fac Med Baghdad, Vol.59, No.3,pp. 268-274 | Iraq | 24- Immunostimulatory, Antibacterial and antibiofilm activity of purified Donkey colostrums lactoferrin on multidrug resistance *Serratia liquefaciens* producing *Intl* gene |  |  |
| 2018 | Microbial Pathogenesis, 116(1):  200-208 | USA | 25- Investigating the effect of biosynthesized silver  nanoparticles on *E.coli* biofilm and reduction of its formation |  |  |
| 2018 | INTERNATIONAL JOURNAL of research in pharmaceutical Sciences, 9(1):  165-173 | India | 26- Effects of green algae *Chlorella Vulgaris*, extracts  and its bioactive substances on the biofilm-producing  microorganism |  |  |
| 2018 | Pak. J. Biotechnol., 15(1):  129-134 | Pakistan | 27- TLR2 AND TLR4 AS A BIOMARKER OF BACTERIAL  SEPSIS SYNDROME IN ADULT AND CHILDREN PATIENTS  IN IRAQ |  |  |
| 2018 | journal of pharmaceutical science and research, 10(1):  100-105 | India | *28-In vitro* Connection Between Biofilm Formation  and Virulence factors of Pathogenic Ear Bacteria |  |  |
| 2018 | Journal of Global Pharma Technology, 10(3):  281-288 | India | 29- Antibiofilm Activity of Intracellular Extracts of  *Westiellopsis prolifica* Isolated From Local  Environment in Baghdad |  |  |
| 2018 | Al-Mustansiriyah Journal of Science, Volume 29, Issue 1,67-74. | Iraq | 30- Biodegradable Plastic Production by *Bacillus* spp. Isolated from Agricultural Wastes and Genetic Determination of PHA Synthesis |  |  |
| 2018 | Al-Mustansiriyah Journal of Science, Volume 29, Issue 3,42-49. | Iraq | 31- Antimicrobial Activity of Freshwater Cyanobacterium *Westiellopsis prolifica* |  |  |
| 2019 | Engineering and Technology Journal, | Iraq | 32- Biofilm Inhibitory Potential of *Westiellopsis*  *prolifica* Extract Against Some Pathogenic Microorganisms |  |  |
| 2019 | Journal of Global Pharma Technology, | India | 33- Evaluate the Effect of Biosynthesized Silver nanoparticles on Wound Healing in Experimental Mice. |  |  |
| 2020 | International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 08. | U.K. | 34- Using of TLR2 and TLR4 as Biomarker of  Sepsis Severity Detection |  |  |
| 2020 | Al-Mustansiriyah Journal of Science | Iraq | 35- The Biological Activity of Protein Extracts of Bacillus spp. Isolated from Soil against Some Pathogenic Bacteria |  |  |
| 2020 | Al-Mustansiriyah Journal of Science, | Iraq | 36- Effect of Bacterial Isolates from Soil Samples on Bisphenol A |  |  |
| 2020 | Al-Kufa University Journal for Biology, | Iraq | 37- Antibacterial and anti-biofilm activities of Neem gum (Azadirchta indica) and Arabic gum (Acacia senegal) extracts on human pathogenic bacteria |  |  |
| 2020 | BAGHDAD SCIENCE JOURNAL, | Iraq | 38- The Biofilm Inhibitory Potential of Compound Produced from Chlamydomonas reinhardtii Against Pathogenic Microorganisms |  |  |
| 2020 | Egyptian Journal of Medical Human Genetics | Egypt | 39- Susceptibility role of soluble HLA-G and HLA-G 14-bp insertion/deletion polymorphism in inflammatory bowel disease |  |  |
| 2021 | Iraqi Journal of Science, 2021, Vol. 62, No. 8, pp: 2526-2535 | Iraq | 40- Roles of IL-17A and IL-23 in the Pathogenesis of Ulcerative Colitis and Crohn’s Disease. |  |  |
| 2021 | Egyptian Journal of Medical Human Genetics، (2021) 22:34 | Egypt | 41- Genetic polymorphism of HLA-G gene (G\*01:03, G\*01:04, and G\*01:05N) in Iraqi patients with inflammatory bowel disease (ulcerative colitis and Crohn's disease) |  |  |
| 2021 | Medico-legal Update, April-June 2021, Vol. 21, No. 2  1099. | India | 42- Role of Intestinal Microbiota and its Virulence Factors in Pathogenesis of Inflammatory Bowel Disease |  |  |
| 2021 | Caspian J. Environ. Sci., | Iran | 43- Evaluating  the biological activities of biosynthesized ZnO nanoparticles using Escherichia coli |  |  |
| 2021 | Annals of R.S.C.B., | Romania | 44- Synergic  Effect of Biosynthesized ZnO- Nanoparticles with Some Antibiotic on Multi-Drug Resistance Bacteria |  |  |
| 2021 | Annals of R.S.C.B., Vol. 25, Issue 2, 2021, Pages. 3851 – 3859. | Romania | 45- Antibacterial  Effect of Spirulina platensis Extracts on the Viability of Bacterial Species Isolated form Acne Patients in Baghdad |  |  |
| 2021 | Biosc.Biotech.Res.Comm. Special Issue Vol 14 No 07 (2021) Pp-235-239 | India | 46- Cytotoxic  Potential of Amygdaline Zinc Nano Particles on PC3 and MCF7 Cell Lines |  |  |
| 2022 | Azerbijan medical journal , Volume 62, Issue 10 | Azerbijan | Biosynthesized Ag-nanoparticles activity against *blaCTX*, *blaTEM entB*, *htrA* of *Klebsiella pneumoniae* isolated from different clinical sources |  |  |
| 2022 | [Vol. 31 No. 4 (2022) | Chinese Journal of Medical Genetics](http://zhyxycx.life/index.php/cjmg/issue/view/23) | China | The effect of biosynthesized ag-nanoparticles on klebsiella Pneumoniae biofilm and some virulence genes. |  |  |
| 2022 | **J. for Engineering and Science ,vol. 4, No. 4,** | Iraq | Comparative study: To prepare nanoscale lithium oxide using different materials on the properties of the material and its effect on antifungals |  |  |
| 2023 | HIV Nursing, 23:(3) | UK | **Antibacterial and anticancer activities of free and immobilized elastase produced by Klebsiella pneumoniae.** |  |  |
| 2023 | HIV Nursing, 23:(3) | UK | Cytotoxic effect of free and immobilized elastase from klebsiella pneumoniae in vitro and in vivo. |  |  |
| 2023 | Medical Microbiology, | UK | **Evaluation of the effect of purified prolidase from Escherichia coli on some immunological aspects** |  |  |

**PROFFESSIONAL DEVELOPMENT**

Certifications.

* Certificate of participation in the Patent Examiners Course
* Certificate of participation in statistical course in Basra university.
* Certificate of participation in Good Laboratory Practice (GLP) course.
* Certificate of participation in the scientific session RT-PCR technology specialist
* certificate of participation in specialized scientific session to primer design technology.
* certificate of participation in a course on statistical applications in biological research
* The first specialized session for ELISA technique and serological tests.
* The first specialized session for Automated analysis (HPLC, GC, GC mass, IR, ICP, etc.).
* The first specialized session for Polymerase Chain Reaction technique (PCR).
* Internet and Computing Core Certification (IC3).
* Session of computers to upgrade scientific purposes.
* Training course of English language.
* Qualifying session for teaching Mustansiriyah University.
* Foreign Language Proficiency Examination.

Conferences.

* Certificate of participation in Iraq Conference on higher education.
* Certificate of participation in International CBRN Safety & Security Conference.
* Certificate of participation in First Jordanian International Chemical Process Safety Virtual Conference.
* Certificate of participation in the first International Criminal Sciences and forensic medicine in Iraq/ Al-Nahrain university.
* Participant in the third Scientific Conference of Al-Kindy medical school
* Participation in scientific Conference of the Center for research and treatment of blood diseases
* Participation in the first international conference at Baghdad University
* Participation in international scientific conference on laser applications and advanced materials
* Participation in third Scientific Conference of genetics and the environment in medical city
* Second International Conference for Life Science; College of Science, Al-Mustansiriyah University.
* The fifth Scientific Conference of College of Science Al-Mustansiriyah University, Iraq.
* The Sixth Scientific conference of college of science / Al- Mustansiriyah university, Iraq.
* The Fourth Scientific conference of college of Medicine / Al- Mustansiriyah university, Iraq.
* The Seventh Scientific conference of college of science / Al- Mustansiriyah university, Iraq.
* The Third international Scientific Conference on Nanotechnology, Advanced Materials and their applications. Nanotechnology, Advanced Materials Research center / University of Technology.
* National Symposium for the early diagnosis of tuberculosis. Baghdad/ Iraq.
* Iraq Biotechnology Conference, Al-Nahrain Center for Strategic Studies, Baghdad.

Workshops.

* Certificate in Scopus Indexing Criteria for Iraq.
* Prospects for scientific research and cooperation between Arab universities Organized by Arid scientific platform
* Workshop on security and biosecurity, chemical, radiation and nuclear at AL-Mustansiriyah University
* workshop of undergraduate laboratories participating (good laboratory standards)/laboratory quality assurance unit quality assurance Division
* workshop on the diagnosis and treatment of blood pressure in AL-Kindy Medical College
* workshop of tagged alternative and modern methods in the treatment of diseases at Baghdad University
* workshop of biodiversity in Environment Research Center/ technology university
* workshop on security and biosecurity in Technical University
* workshop for diabetes at Mustansiriyah University

In addition, there are seminars in Mustansiriyah university, Baghdad university, Technology university, AL-Karkh university, Basrah University and Al-Nahrain university.