***Curriculum Vitae***

**Name Of. Person: Dr. Nada Zaki Mahdi**

***Mustansiriyah University – College of -Science- Biology department/Biotecnologist***

***Mobile****: +9647709236188*

***Email****:* nada.zeki@yahoo.co.uk

**Personal Summary**

* Dr. Nada Zaki Mahdi is a Professor assistant in College of -Science- Biology department- biotechnology branch/ Mustansiriyah University.I spesified in Microbiology/Enzyme technology/Animal Cell line tissue culture. I have Professional Experience in Biotechnology, Enzyme technology, Bioseparation and Animal Cell line tissue culture sciences, Medical microbiology, Soil microbiology.

**Education:**

* Ph.D. #1: From Baghdad university/ College of -Science- Biology department (2014)
* M.Sc. #2: FromMustansiriyah University – College of -Science- Biology department (1995)
* B.Sc. #3: FromMustansiriyah University – College of -Science- Biology department (1987)

**ACADEMIC HONORS AND AWARDS:**

* #1: I have more than forty letters of thanks from ministers, their deputies, university presidents and assistants, in addition to the deans of our college during my long service (34 years) at Mustansiriya University.
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**ACADEMIC /TEACHING EXPERIENCE:**

* #1: I have experience in lab. microbiology and biotechnology teaching for 34 years ago
* #2: I have experience in Microbiology,Biotechnology and Bioseperation and bacterial enzymes teaching
* **COURSES TAUGHT:**

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| --- | --- |
| **Undergraduate** | **Graduate** |
| General microbiology/medical bacteriology/soil bacteriology/Biotechnology/Bacterial physiology/ | I supervised a master’s studentI discussed three master’s theses and two doctoral theses |

**PROFESSIONAL AFFILIATIONS:**

* Chairman, Diversity Committee: I am a member I am a member of the Syndicate of Iraqi nanotechnology, I am a member of the Iraqi Biological Association and a member of the Commission laboratories in biology department/college of science/ mustansiriyah university.
* I am a member of the ORED scientific platform and the international Tatweer platform, in addition to the IFAD platform for researchers and academics

**PUPLICATIONS:**

* **Papers. I have twenty published researches in Scopus, Elsevier, different Iraqi and world journals:**
* Nada Zaki Mahdi. 2008. Comparison study of different unifloral Iraqi honey inhibited effectiveness of different wound infected bacteria. Al-mustansiriya science gournal, volume19, No 2.
* Nada Zaki Mahdi and Neihaya Hikmat Zaki. 2008. Isolation of *Bacillus subtilis* bacterial spores from Iraqi honey and using propolis to inhibited them with other wound infected bacteria.

Al-mustansiriya science journal, volume19, No 3.

* Khalil M. Khammas; Nada Z. Mahdi and Laila a. Saeed. 2009. Using of congo red stain in culture medium to accelerate the isolation, purification and identification of *Azospirillum* species. Diala, Jour. Volume 32, 280-295.
* Khalil M. Khammas; Nada Z. Mahdi and Ali H. Alwan. 2012. Improved selection medium and technique for isolation of *Azospirillum irakenze*. Al-mustansiriya Journal of Pharmaceutical science, Volume 11, issue 1, pages 25-31.
* Nada Mahdi; Shatha Al-Tahan and Nahi yaseen. 2014. Optimization of Arginine deiminase production from a local higher productive isolate *Enterococcus faecium* M1. Iraqi Journal of cancer and medical genetics, Volume 7, No1, 51-58.
* Nada Z. Mahdi, Shatha S. Al-Tahan and Nahi Y. Yaseen. 2015. Extraction, purification and characterization (A) of Arginine deiminase enzyme from a local higher productive isolation of *Enterococcus faecium* M1. iiste.j. 5(10); 51-58.
* Nada Z. Mahdi, Shatha S. Al-Tahan and Nahi Y. Yaseen. 2015. Characterization (B) of Arginine deiminase enzyme isolated from a local higher productive isolation of *Enterococcus faecium* M1. World J. Pharm Sci 2015; 3(6): 1275-1282.
* Nada Mahdi, Shatha Al-Tahan and Nahi Yaseen. 2015. Cytotoxicity and Apoptosis Effect of Purified Arginine Deiminase(ADI) Originating From *Enterococcus Faecium M1* on Rhabdomyosarcoma(RD) Cancer Cell Line and Rat Embryo Fibroblast (REF) normal cell line
* Nada Z. Mahdi, Shatha S. Al-Tahan and Nahi Y. Yaseen. 2016. Cytotoxicity and apoptosis of glioblastoma multiforme cell line by arginine deiminase purified from a higher productive isolation *Enterococcus faecium M1.* World J Pharm Sci 2016; 4(8): 98-106.
* Likaa Hamied Mahdi Al mossawi, Nada Zaki Mahdi and Luma Abdal Hady Zwain. 2016. Higher production of lipase enzyme from different microorganisms grown in local natural culture media. Int. J. Adv. Res. Biol. Sci. 3(5); 232-239.
* D. Sahira Nsayef Muslim, Ali Murtatha Hasan and D. Nada Zaki Mahdi. Antibiofilm and antiadhesive properties of pectinase purified from Pseudomonas stutzeri isolated from spoilt orange. Advances in Environmental Biology, 10(11) November 2016, Pages: 91-98 AENSI.
* Two novel roles of buffalo milk lactoperoxidase, antibiofilm agent and immunomodulator against multidrug resistant Salmonella enterica serovar Typhi and Listeria monocytogenes
* Likaa Mahdi, PhD a, \*, Hadeel Musafer, PhD a, Luma Zwain, PhD b, Istabreq Salman, Msc a,Ikbal Al-Joofy, PhD a, Khetam Rasool, PhD a, Amal Mussa, PhD a, sana'a Al-kakei, PhD a,Rasha Al-Oqaili, MSC a, Shaymaa Al-Alak, MSC a, Amal Chaloob, PhD c,Afrah Abdulkareem, PhD a, Bydaa Hussein, PhD a, Nada Mahdi, PhD a, Nehad Taher, PhD aMicrobial Pathogenesis 109 (2017) 221-227.
* Likaa Mahdia,∗, Nada Mahdia Sana'a Al-kakeia, Hadeel Musafera, Ikbal Al-Joofya, Rajwa Essaa,Luma Zwainb, Istabreq Salmana, Haifa Materc, Shaymaa Al-Alaka, Rasha Al-Oqailia. Treatment strategy by lactoperoxidase and lactoferrin combination: immunomodulatory and antibacterial activity against multidrug-resistant Acinetobacter baumanniiLikaa Mahdia,∗, Nada Mahdia, Microbial Pathogenesis 114 (2018) 147–152.
* Mahdi, Likaa H.a; Mahdi, Nada Z.a; Sajet, Rasha M.a; Auda, Ibtesam G.a; Mater, Haifa N.b; Zwain, Luma A.H.c; Kadhem, Bushra M.d; Alsaadi, Luma G.a Anticariogenic and antibiofilm of purified bacteriocin of Lactobacillus curvatus and immunomodulatory effect of L. curvatus in streptococcal bacteremia. Reviews in Medical Microbiology: January 2019 - Volume 30 - Issue 1 - p 26–35.
* Ghaidaa, H. A.\* Neihaya, H.Z. Nada, Z.Mahdi Amna, M.A. The Biofilm Inhibitory Potential of Compound Produced from Chlamydomona reinhardtii Against Pathogenic Microorganisms. Baghdad Science Journal P-ISSN: 2078-8665 2020, 17(1):34-41 E-ISSN: 2411-7986
* Likaa Al- Moosawi , Sana'a Al-Kakei , Luma Zwain , Nibras Mahmood , Istabreq Salman , Rasha AL-Oqaili , Shaymaa Al-Alak , Sundus Ahmed , Nada Zaki. Purification and Characterization of Lactobacillus crispatus Exopolysaccharide EPS and Its Antibacterial Activity against some Bacterial Vaginosis Isolates. International Journal of Chemical, Environmental & Biological Sciences (IJCEBS) Volume 5, Issue 1 (2017).
* Likaa Mahdi\*, Harith Jabbar Fahad Al Mathkhury Sana’a AL-Kakei, Khetam Habeeb Rasool, Luma Zwain, Istabreq Muhammed Ali Salman, Nada Zaki Mahdi, Sadeq Abdulridha Gatea Kaabi, Nibras Nazar Mahmood. Antibacterial Activity of Lactobacillus buchneri Bacteriocin against Vibrio parahaemolyticus KMITL Sci. Tech. J. Vol. 17 No. 1 Jan.-Jun. 2017.
* Mahdi, N.Z. (2020). Efficient and low coast procedure for detection, extraction and purification of Arginine Deiminase from Lactobacillus plantarum p Biochemical and Cellular Archives. 20(2), 4987-4992.
* Mahdi, N.Z. (2022). Investigation of the Lethal Effect of Purified Arginine Deiminase Purified from Lactobacillus plantarum p5 on Murine Mammary Adenocarcinoma and Vero cell Lines. Archives of Razi Institute, Vol. 77, No. 1; 223-229.
* Etc. I wrote a book has been printed and published in Lambert academic publishing:
* Nada Mahdi, Shatha Al-Tahan and Nahi Yaseen. 2016. Arginine deiminase the strongest cancer treatment agent. Lambert Academic Publishing/Germany.
* I have a patent issued by the Central Organization for Standardization and Quality Control in 2018, number 5187, international classification C12N1/20.
* • Patent title: Preparation of local culture media for the abundant production of the enzyme Lipase from various microorganisms.
* I have a newspaper articles published in the newspaper of the Iraqi citizen in 2015 and 2016 and I have a newspaper interview published in the magazine Al-Mustansiriyah University in 2016.

**PROFFESSIONAL DEVELOPMENT**

* Certifications. I got a certificate of appreciation from the head of the department to give a lecture for the treatment of cancer
* Conferences. I Participated in four international conferences, one of them by a research.
* Workshops. I have seven posts in workshops four of them in biology department/college of science/Almustansiriyah university, two of them in international conference and a poster work shop in Girls College Science/ Baghdad university.
* I attended the twenty-five scientific symposium for continuing education in the College of Science/ Almustansiriyah university.
* I attended five scientific symposiums in a Center of Iraqi Cancer and Medical Genetic Researches, Baghdad.
* I have twenty-five certificates of participation in local and international conferences, in addition to twenty international workshops
* I held two scientific training courses for continuing education in our college.
* Have the Hirsch h-index or Score in the Scopus (3), Research Gate(3), and Google Scholar (5) search portals

***السيرة الذاتية***

**د. ندى زكي مهدي محمد**

الاستاذ المساعد الدكتورة: ندى زكي مهدي : تدريسية في كلية العلوم/قسم علوم الحياة/ الجامعة المستنصرية فرع التقانة الاحيائية، مختصة بالأحياء المجهرية/تقانة احيائية- أنزيمات/استخدام الانزيمات البكتيرية في علاج امراض السرطان ، خبيرة بالتدريس العملي لمادتي البكتريا المرضية والفصل الحيوي

* **الشهادات الدراسية: الدكتوراه**.
* Ph.D. #1: تم الحصول عليه من جامعة بغداد/كلية العلوم/قسم علوم الحياة بتاريخ 5/3/2014
* M.Sc. #2: تم الحصول عليه من الجامعة المستنصرية/كلية العلوم/قسم علوم الحياة 20/8/1995
* B.Sc. #3: تم الحصول عليه من الجامعة المستنصرية/كلية العلوم/قسم علوم الحياة 1/7/1987

الجوائز والتكريم الأكاديمي

* #1: لدي اكثر من اربعين كتاب شكر من السادة (الوزراء ووكلائهم ورؤساء الجامعة المستنصرية ومساعديهم اضافة الى وعمداء كلية العلوم اضافة الى مدراء اقسام خلال سنين خدمتي البالغة اربعة وثلاثون سنة في قسم علوم الحياة/كلية العلوم /الجامعة المستنصرية.

الخبرة الأكاديمية والتدريس:

* #1: ثمان سنوات خبرة كفنية في التدريس العملي وسبعة عشر سنة خبرة في التدريس العملي لعدة مواد تابعة للأحياء المجهرية بعد الحصول على شهادة الماجستير
* #2: تسع سنوات خبرة في التدريس النظري لمواد التقانة الأحيائية وفسلجة البكتريا والتقنيات المجهرية ومادة الفصل الحيوي والايض الثانوي والتخمرات بعد الحصول على شهادة الدكتوراه

**المقررات الدراسية التي تم تدريسها:**

|  |  |
| --- | --- |
| **الدراسات الأولية** | **الدراسات العليا** |
| ألأحياء المجهرية العامة/البكتريا المرضية/بكتريا التربة/ التقانة الأحيائية/فسلجة البكترياالتقنيات المجهرية/الفصل الحيوي/ الايض الثانوي | اشرفت على طالبة ماجستير وساهمت في لجان مناقشة طالبتي دكتوراه وثلاث طلبة ماجستير |

**الأنتساب المهني او الجمعيات:**

* عضوة في جمعية البايولوجيين العراقيين وعضوة في نقابة النانوتكنولوجي ، عضوة في لجنة متابعة مختبرات القسم وعضوة في لجنة جودة المختبرات في كلية العلوم
* عضوة في ثلاث منصات دولية( اريد وايفاد وتطوير) ولدي ثلاث اوسمة من منصة ايفاد

**المنشورات العلمية**

* لدي عشرون بحثا منشورا في مجلات عراقية وعالمية من ضمنها في سكوبس وكلارفيت والسيفير
* Nada Zaki Mahdi. 2008. Comparison study of different unifloral Iraqi honey inhibited effectiveness of different wound infected bacteria. Al-mustansiriya science gournal, volume19, No 2.
* Nada Zaki Mahdi and Neihaya Hikmat Zaki. 2008. Isolation of *Bacillus subtilis* bacterial spores from Iraqi honey and using propolis to inhibited them with other wound infected bacteria.

Al-mustansiriya science journal, volume19, No 3.

* Khalil M. Khammas; Nada Z. Mahdi and Laila a. Saeed. 2009. Using of congo red stain in culture medium to accelerate the isolation, purification and identification of *Azospirillum* species. Diala, Jour. Volume 32, 280-295.
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* Nada Z. Mahdi, Shatha S. Al-Tahan and Nahi Y. Yaseen. 2015. Extraction, purification and characterization (A) of Arginine deiminase enzyme from a local higher productive isolation of *Enterococcus faecium* M1. iiste.j. 5(10); 51-58.
* Nada Z. Mahdi, Shatha S. Al-Tahan and Nahi Y. Yaseen. 2015. Characterization (B) of Arginine deiminase enzyme isolated from a local higher productive isolation of *Enterococcus faecium* M1. World J. Pharm Sci 2015; 3(6): 1275-1282.
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* Nada Z. Mahdi, Shatha S. Al-Tahan and Nahi Y. Yaseen. 2016. Cytotoxicity and apoptosis of glioblastoma multiforme cell line by arginine deiminase purified from a higher productive isolation *Enterococcus faecium M1.* World J Pharm Sci 2016; 4(8): 98-106.
* Likaa Hamied Mahdi Al mossawi, Nada Zaki Mahdi and Luma Abdal Hady Zwain. 2016. Higher production of lipase enzyme from different microorganisms grown in local natural culture media. Int. J. Adv. Res. Biol. Sci. 3(5); 232-239.
* D. Sahira Nsayef Muslim, Ali Murtatha Hasan and D. Nada Zaki Mahdi. Antibiofilm and antiadhesive properties of pectinase purified from *Pseudomonas stutzeri* isolated from spoilt orange. Advances in Environmental Biology, 10(11) November 2016, Pages: 91-98 AENSI.
* Two novel roles of buffalo milk lactoperoxidase, antibiofilm agent and immunomodulator against multidrug resistant Salmonella enterica serovar Typhi and Listeria monocytogenes
* Likaa Mahdi, PhD a, \*, Hadeel Musafer, PhD a, Luma Zwain, PhD b, Istabreq Salman, Msc a,Ikbal Al-Joofy, PhD a, Khetam Rasool, PhD a, Amal Mussa, PhD a, sana'a Al-kakei, PhD a,Rasha Al-Oqaili, MSC a, Shaymaa Al-Alak, MSC a, Amal Chaloob, PhD c,Afrah Abdulkareem, PhD a, Bydaa Hussein, PhD a, Nada Mahdi, PhD a, Nehad Taher, PhD aMicrobial Pathogenesis 109 (2017) 221-227.
* Likaa Mahdia,∗, Nada Mahdia Sana'a Al-kakeia, Hadeel Musafera, Ikbal Al-Joofya, Rajwa Essaa,Luma Zwainb, Istabreq Salmana, Haifa Materc, Shaymaa Al-Alaka, Rasha Al-Oqailia.Treatment strategy by lactoperoxidase and lactoferrin combination: immunomodulatory and antibacterial activity against multidrug-resistant Acinetobacter baumanniiLikaa Mahdia,∗, Nada Mahdia, Microbial Pathogenesis 114 (2018) 147–152.
* Mahdi, Likaa H.a; Mahdi, Nada Z.a; Sajet, Rasha M.a; Auda, Ibtesam G.a; Mater, Haifa N.b; Zwain, Luma A.H.c; Kadhem, Bushra M.d; Alsaadi, Luma G.a Anticariogenic and antibiofilm of purified bacteriocin of *Lactobacillus curvatus* and immunomodulatory effect of *L. curvatus* in streptococcal bacteremia. Reviews in Medical Microbiology: [January 2019 - Volume 30 - Issue 1 - p 26–35](https://journals.lww.com/revmedmicrobiol/pages/currenttoc.aspx).
* *Ghaidaa, H. A.\* Neihaya, H.Z. Nada, Z.Mahdi Amna, M.A.* The Biofilm Inhibitory Potential of Compound Produced from *Chlamydomona reinhardtii* Against Pathogenic Microorganisms. Baghdad Science Journal P-ISSN: 2078-8665 2020, 17(1):34-41 E-ISSN: 2411-7986
* Likaa Al- Moosawi , Sana'a Al-Kakei , Luma Zwain , Nibras Mahmood , Istabreq Salman , Rasha AL-Oqaili , Shaymaa Al-Alak , Sundus Ahmed , Nada Zaki. Purification and Characterization of *Lactobacillus crispatus* Exopolysaccharide EPS and Its Antibacterial Activity against some Bacterial Vaginosis Isolates. International Journal of Chemical, Environmental & Biological Sciences (IJCEBS) Volume 5, Issue 1 (2017).
* Likaa Mahdi\*, Harith Jabbar Fahad Al Mathkhury Sana’a AL-Kakei, Khetam Habeeb Rasool, Luma Zwain, Istabreq Muhammed Ali Salman, Nada Zaki Mahdi, Sadeq Abdulridha Gatea Kaabi, Nibras Nazar Mahmood. Antibacterial Activity of *Lactobacillus buchneri* Bacteriocin against *Vibrio parahaemolyticus* KMITL Sci. Tech. J. Vol. 17 No. 1 Jan.-Jun. 2017.
* Mahdi, N.Z. (2020). Efficient and low coast procedure for detection, extraction and purification of Arginine Deiminase from Lactobacillus plantarum p Biochemical and Cellular Archives. 20(2), 4987-4992.
* Mahdi, N.Z. (2022). Investigation of the Lethal Effect of Purified Arginine Deiminase Purified from Lactobacillus plantarum p5 on Murine Mammary Adenocarcinoma and Vero cell Lines. Archives of Razi Institute, Vol. 77, No. 1; 223-229.
* لدي كتاب مؤلف طبع ونشر في دار لامبرت الألمانية بعنوان أرجنين ديأمنيز ألأنزيم الأقوى في علاج السرطان.
* Nada Mahdi, Shatha Al-Tahan and Nahi Yaseen. 2016. Arginine deiminase the strongest cancer treatment agent. Lambert Academic Publishing/Germany.
* لدي مقالين منشورين في جريدة المواطن العراقية2015 و2016 ومقال منشور في مجلة الجامعة المستنصرية للعام 2016
* لدي براءة اختراع صادرة من الجهاز المركزي للتقييس والسيطرة النوعية عام 2018 برقم5187 والتصنيف الدولي C12N1/20
* عنوان البراءة: تحضير أوساط زرعية محلية لأنتاج أنزيم اللايبيزLipase بغزارة من مختلف الأحياء المجهرية

**تطوير المهارات:**

1- حضرت خمسة وثلاثين ندوة علمية للتعليم المستمرفي كلية العلوم/الجامعة المستنصرية

2- حضرت خمس ندوات علمية في مركز السرطان والوراثة الطبية في بغداد

3- لدي ثلاثين مشاركة في ورش عمل واربع مشاركات في مؤتمرات دولية أحدها ببحوث و شهادة تقديرية من رئيس القسم لألقاء محاضرة في التعليم المستمر والمشاركة ببوسترعلمي عن العلاجات التقنية البديلة للأمراض المستعصية مع شهادة تقديرية من كلية علوم البنات /جامعة بغداد

4-أقمت دورتين علميتتين لتدريسيي قسم علوم الحياة في التعليم المستمر في كلية العلوم/الجامعة المستنصرية