

Curriculum Vitae

Prof. Dr. Sana'a Noori Hussein

Mustansiriyah University – College of Science

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PERSONAL SUMMARY:

BIRTH DAY: 10/1/1973, BAGHDAD.

EDUCATION:

- Ph.D. #1: Doctorate : ”Comparison Study of Shigatoxin and Shiga-Like Toxin Produced by *Shigella dysenteriae* 1 and *Escherichia coli* O157:H7 Isolated from Diarrhea Samples in Children Using Polymerase Chain Reaction Technique ” 2007 at College of Science / Dept. of Biology at Al-Mustansiriyah University
- M.Sc. #2: Master : “Microbiological Study in Patients with Boil and Recurrent Boil Infections ” 2001 at College of Science / Dept. of Biology at Al-Mustansiriyah University
- B.Sc. #3: Bachelor : Biology/ Microbiology 1995 at College of Science / Dept. of Biology at Al-Mustansiriyah University

ACADEMIC HONORS AND AWARDS:

- #1: Acknowledgements and Evaluations Books Almost 55

ACADEMIC /TEACHING EXPERIENCE:

- #1: Assist. Laboratorian 1996
- #2: Assist. Lecturer 2001
- #3: Lecturer 2007
- #4: Assistant Professor 2012
- #5: Professor 2020

COURSES TAUGHT:

Undergraduate	Graduate
Microbiology / First state	Seminar
Microbial Toxins / Third stage	Cell Structure
Water Microbiology / Third stage	Water Pollution treatment
Diagnosis of Pathogenic Bacteria/ Third stage	Microbial Toxins/ Master
Cell Biology/ Second stage	Advanced Techniques of Diagnostic
Microbial Physiology/ Third stage	Microbiology/ Master
Pathogenic Bacteria/ Fourth stage	Bacterial Toxins/ Master

PROFESSIONAL AFFILIATIONS:

- Member, Diversity Committee
- 1. Examine Commission
- 2. Sport Commission
- 3. Buying of Books Commission
- 4. Library Commission
- 5. Symposium and Continuous Teaching Commission
- 5. Committee of Identity Issuance / Chairman
- 7. Committee of Promotion
- 8. Scientific Committee
- 9. Postgraduate Committee
- 10. Committee of Electronic Plagiarism
- 11. Renew and Development of Postgraduate Syllabuses Committee

PUBLICATIONS:

- Papers.
- 1- Title: Comparison between *Staphylococcus aureus* Carriers in Patients with Boil and Recurrent Boil Infections. Journal of The Faculty of Medicine Baghdad, 2002, V.44, No.4, 2002
- 2- Title: Determination of *Shigella dysenteriae* 1 and *Escherichia coli* O157:H7 Isolates to Produce a Shigatoxin by using ELISA and PCR. The Iraqi Journal of Biological Techniques, 2009, V.8, No.1, 2009
- 3- Title: Antibacterial Activity of Henna Plant *Lawsonia inermis* on Gram Negative Bacteria. AL-Mustansiriyah Journal of Science, 2011, V.22, No.7, 2011
- 4- Title: Antagonistic Effect of *Lactobacillus fermentum* Supernatant against *Enterococcus faecium* and *E.faecalis* in Vitro. Journal of The Faculty of Medicine Baghdad, 2012, V.54, No.2, 2012
- 5- Title: Detection of *exo A* and *opr I* Genes in *Pseudomonas aeruginosa* using Polymerase Chain Reaction. The Iraqi Journal of Biological Techniques, V.12, No.1, 2013
- 6- Title: Occurrence of CTX-M-I Type β -Lactamase Genes in Certain Gram Negative Bacteria. Iraqi Postgraduate Medical Journal, V.12, No.2, 2013
- 7- Title: Relationship between Boil Infections and *Staphylococcus aureus* Carriers in Iraqi Individuals. Journal of The College of Education, No.1 ,2013
- 8- Title: Effect of *Lactobacillus acidophilus* Bacteriocin on some pathogenic bacteria in vitro. Journal of Education and Scientific Studies, No.3 / May, 2014
- 9- Title: Detection of *blaKPC* Gene in Carbapenem – Resistant *Klebsiella pneumoniae* Isolates in Baghdad. Conference of Jihan University in Erbil. 2014
- 10- Title: Improving the antibacterial activity of ceftazidime by inulinase purified from *Staphylococcus aureus*. Journal of Biology, Agriculture and Healthcare www.iiste.org ISSN 2224-3208 (Paper) ISSN 2225-093X (Online) Vol.5, No.8, 2015

- 11- Title: Evaluation of domestic well water microbiological quality in Baghdad. تقييم النوعية المايكروبية لمياه الابر المنزلية في بغداد. مجلة العلوم الحديثة والتراثية ، 3 (1) : 53 – 61 ، 2015 http://www.jmsh.eu
- 12- Title: The Effect of *Pediococcus pentosaceus* Bacteriocin on *Listeria monocytogenes* in Soft Cheese. Int'l Conf. on Medical Genetics, Cellular & Molecular Biology, Pharmaceutical & Food Sciences (GCMBPF-2015) June 5-6, 2015 Istanbul
- 13- Title: Antibacterial Activity of *Lactobacillus buchneri* Bacteriocin against *Vibrio parahaemolyticus*. 1st International Conference of Genetics and its Role in Life Science Development. April 19-22, 2016, Alexandria, Egypt.
- 14- Title: Purification and Characterization of Lectin from *Acinetobacter baumannii* Isolated from Urinary Catheter Samples and its Effect on some Pathogenic Bacteria. 4th International Conference of Genetic and Environment. July 23-30, 2016, Cairo, Egypt.
- 15- Title: Optimization and Characterization Growth Conditions of Lipase- Producing Bacteria from Oil Contaminated Soil and Sewage. Iraqi Journal of Biotechnology, 15(3): 65-70 (2016).
- 16- Title: Purification and Characterization of *Lactobacillus crispatus* Exopolysaccharide EPS and Its Antibacterial Activity against some Bacterial Vaginosis Isolates. 6th International Conference on Bioinformatics, Biotechnology and Nano-Technology (ICBBNT-17) Jan. 16-17, 2017 Pattaya (Thailand).
- 17- Title: Purification of Lectin from *Pseudomonas fluorescens* Isolated from Row Milk and Its Antibacterial Activity against Some Multidrug Resistant Diarrheal Bacteria. 6th International Conference and Workshops on Basic and Applied Sciences, March 18th-19th 2017, Erbil-Kurdistan-Iraq.
- 18- Title: [Two novel roles of buffalo milk lactoperoxidase, antibiofilm agent and immunomodulator against multidrug resistant *Salmonella enterica* serovar *typhi* and *Listeria monocytogenes*.](#) Microbial Pathogenesis, Volume 109, Pages 221-227, 2017, Elsevier Ltd.
- 19- Title: Comparison of Superantigenic Toxins Genes Between MRSA and MSSA Isolated from Clinical Specimens in Iraq. Pakistan Journal of Biotechnology, Vol. 14(4) 689-695 (2017), Institute of Biotechnology and Genetic Engineering / Pakistan.
- 20- Title: Treatment strategy by lactoperoxidase and lactoferrin combination: Immunomodulatory and antibacterial activity against multidrug-resistant *Acinetobacter baumannii*. Microbial Pathogenesis, Volume 114, Pages 147-152, 2018(Jan.), Elsevier Ltd.
- 21- Title: Virulence factors genotyping of *Klebsiella pneumoniae* clinical isolates from Baghdad. Reviews in Medical Microbiology, V. 30(1) Jan.: 36-46 (2019).
- 22- Title: Superantigenic toxin genes in some methicillin resistant coagulase negative staphylococci. Journal Research of Pharmacy and Technology, V. 12(9) Sep.: 3752 -3756 (2019), A & V Publications.
- 23- Title: Molecular study of some virulence genes of *Pseudomonas aeruginosa* isolated from different infections in hospitals of Baghdad. Reviews in Medical Microbiology, V. 31(1) Jan.: 26-41 (2020).

- 24- Title: Prevalence of β -lactam Resistant *Klebsiella Pneumoniae* Isolates among Clinical Specimens in Baghdad Hospitals. Indian Journal of Public Health Research and Development, V. (10)11 Nov.: 4935-38 (2019).
- 25- Title: Novel Bifidocin LHM3 : Milk Preservation And Antibacterial Activity against *Enterobacter sakazakii* And *Bacillu subtilis*. *Biochem. Cell. Arch.* Vol. 21, No. 1, pp. 1221-1227, 2021
- 26- Title: The predominance of *Klebsiella pneumoniae* carbapenemase (KPC-type) gene among high-level carbapenem-resistant *Klebsiella pneumoniae* isolates in Baghdad, Iraq. *Molecular Biology Reports* <https://doi.org/10.1007/s11033-022-07314-3>
- 27- Title: Identification, Differentiation and Phylogenetic Typing of Diarrheagenic of Iraqi Infants Escherichia coli and Children. *Reviews and Research in Medical Microbiology* (2024). January. <https://journals.lww.com/revmedmicrobiol/abstract/9900/identification,differentiationandphylogenetic.30.aspx>

PROFESSIONAL DEVELOPMENT

- Certifications.
 - 1- PCR Cycle as a lecturer
 - 2- RT-PCR as a student
 - 3- Primer Design as a student
 - 4- DNA Sequencing and Recording Genes in NCBI as a student
 - 5- Bioseparation as a student
 - 6- DNA and Protein Sequencing as a student
- Conferences.
 - 1- 1st Scientific Conference for Institute of Genetic Engineering and Biotechnology, 29-28 April, 2008
 - 2- 1st International Scientific Conference of Cihan University, Kurdistan Region, Iraq. 20-21 April, 2014
 - 3- Int'l Conf. on Medical Genetics, Cellular & Molecular Biology, Pharmaceutical & Food Sciences (GCMBPF-2015) June 5-6, 2015 Istanbul
 - 4- 1st International Conference of Genetics and Its Role in Life Science Development "Applications and Future Prospects", 19-22 April 2016, Alexandria, Egypt
 - 5- 4th International Scientific Conference of Genetic and Environment, 23-30 July 2016, Cairo, Egypt
 - 6- 6th International Conference on Bioinformatics, Biotechnology and Nano-Technology (ICBBNT-17) Jan. 16-17, 2017 Pattaya (Thailand)
 - 7- 6th International Conference and Workshops on Basic and Applied Sciences, March 18th-19th 2017, Erbil-Kurdistan-Iraq
 - 8- The 1st International Conference on Safety and Security of the Scientific Applications (ICSSSA) Sep. 26-27, 2018 Baghdad (Iraq)
 - 9- The 2nd International Scientific Conference of Applied Biotechnology, April 3-4 2019, Baghdad (Iraq)
 - 10 - المؤتمر العلمي الثاني والدولي الاول للبحوث التطبيقية وبراءات الاختراع, 9-11/4/2019, الجامعة التقنية الوسطى / العراق

11- 5th Kurdistan International Conference on Science and Technology, University of Duhok, College of Science, 24th-25th April 2019

Workshops.

- الوسائل البديلة والحديثة في علاج الامراض / جمعية صيانة المصادر الوراثية والبيئية العراقية و عمادة كلية العلوم للبنات / الخميس 14-4-1 - 2016
- الامن والامان الحيوي والكيميائي والاشعاعي والنووي في المختبرات الجامعية / - 2
- CBRN - الجامعة المستنصرية - كلية العلوم هيئة الرقابة الوطنية / الفريق الوطني لل
- مواردنا المائية تنوع أحيائي وأرث حضاري/ جمعية صيانة المصادر الوراثية والبيئية العراقية / الثلاثاء 27-12-2016
- قنوات التواصل الاكاديمي والية النشر في المجلات العالمية
- أ.د. سوسن ساجد محمد علي رئيس فرع التفانة
- د.رغد ضياء عبد الجليل \ فرع النبات - لجنة التعليم المستمر
- د.امنة محمد علي
- د. سوزان عبد الرحمن
- د.نضال عبد الامير
- د. احمد خميس
- قسم علوم الحياة / كلية العلوم / الجامعة المستنصرية 2017/3/26
- أصابات الربو والتحسس القصيبي وواقع حال التدرن الرئوي في العراق/ قسم علوم الحياة / كلية العلوم / الجامعة المستنصرية
- الانواع العراقية المهددة بالانقراض حسب قائمة الاتحاد العالمي لصون الطبيعة IUCN Red List/Iraq . جمعية صيانة المصادر الوراثية والبيئية العراقية بالتعاون مع وزارة الصحة والبيئة ومنظمة النحلة البيئية والزراعية ، 2018/11/14
- العديد من الورش والندوات للسنوات اللاحقة