***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. Not Married**

**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 40**

**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  Microbial Toxins / Third stage  Water Microbiology / Third stage  Diagnosis of Pathogenic Bacteria/ Third stage  Cell Biology/ Second stage  Microbial Physiology/ Third stage  Pathogenic Bacteria/ Fourth stage | Seminar  Cell Structure  Water Pollution treatment  Microbial Toxins/ Master  Advanced Techniques of Diagnostic Microbiology/ Master  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**

**PUPLICATIONS:**

* 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 *bla*KPC 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. تقییم النوعیة المایكروبیة لمیاه الابار المنزلیة في بغداد. مجلة العلوم الحدیثة والتراثیة ،. 61 – 53 : (1) 3 ، 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***](http://www.sciencedirect.com/science/article/pii/S0882401017302851)**. 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**](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 (2023). 30 January.** [**https://journals.lww.com/revmedmicrobiol/abstract/9900/identification,\_differentiation\_and\_phylogenetic.30.aspx**](https://journals.lww.com/revmedmicrobiol/abstract/9900/identification,_differentiation_and_phylogenetic.30.aspx)

**PROFFESSIONAL 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, Alexandaria, 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 - الجامعة التقنية الوسطى / العراق , 9-11/4/2019المؤتمر العلمي الثاني والدولي الاول للبحوث التطبيقية وبراءات الاختراع,**

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

Workshops.

* 1- الوسائل البديلة والحديثة في علاج الامراض / جمعية صيانة المصادر الوراثية والبيئية العراقية وعمادة كلية العلوم للبنات / الخميس 14-4-

2016

* 2- / الامن والامان الحيوي والكيميائي والاشعاعي والنووي في المختبرات الجامعية

الجامعة المستنصرية - كلية العلوم هيئة الرقابة الوطنية / الفريق الوطني لل CBRN ـ

* 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 التقانة

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 المستنصرية26/3/2017

* أصابات الربو والتحسس القصبي 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 النخلة البيئية والزراعية ، 14/11/2018