

## Curriculum Vitae

# Israa Mohammed Safa Abd Ali

Mustansiriyah University – College of -----

Mobile: +9647705988195

Email: [israaalkadmy@email.com](mailto:israaalkadmy@email.com)

### PERSONAL SUMMARY:

#### 1. PRESENT APPOINTMENT

Present post & level:	Assistant Professor (Master degree)
Date appointed to present post:	20/05/2020 to present time
Academic Unit/School:	Mustansiriyah University, College of Science, Department of Biology, Baghdad, Iraq
Faculty:	

#### 2. PREVIOUS SUBSTANTIVE APPOINTMENTS

Appointment	From	To
Lecturer at Mustansiriyah University	25/02/2016	18/05/2020
Assistant Lecturer at Mustansiriyah University	23/12/2013	20/05/2016

### EDUCATION:

- ❖ **BSc** from Al-Mustansiriyah University, College of Science, Department of Biology, 2006. (Iraq)
- ❖ **Post graduate study;**

**MSc** in Microbiology from Al-Mustansiriyah University, College of Science, Department of Biology, 2012. (Iraq). **MSc thesis title:** Detection of 16S rRNA Methylation Gene between Two Species of Gram Negative with High Level Resistance to Aminoglycosides

### ACADEMIC HONORS AND AWARDS:

### ACADEMIC /TEACHING EXPERIENCE:

I had taught the following practical semesters:

- 1- Fourth stage: Biotechnology, Antibiotics, Molecular Biology.
- 2- Second stage: Molecular Biology, General Microbiology

### COURSES TAUGHT:

Undergraduate	Graduate
1- Fourth stage: Biotechnology, Antibiotics, Molecular Biology. 2- Second stage: Molecular Biology, Microbiology	

## PUBLICATIONS:

### Journal Papers - Academic Journals

1. Al-Grawe, I.G. and **Al-Kadmy, I.M.S.** 2014. Toxigenic Potential of *Vibrio cholerae* O1 and O139 serotypes isolated from cases of diarrhea in Baghdad hospitals. *J. biotechnology research center.* 8(2):84-89.
2. **Al-Kadmy, I.M.S.** 2013. Phenotypic & Genotypic Study of Biofilm and Effectiveness on the Ability of CONS to Oxacillin Resistance Using Muller-Hinton Agar & Mannitol Salt Agar. *IND.J. APP. RES.* 3(4): 393-398.
3. AL-Jubori, S.S.; **Al-kadmy, I.M.S.**; Naje, E.N. (2014). Genotypic Detection of Cefepime Resistance in Iraqi Clinical Isolates of *Pseudomonas aeruginosa*. *B.B.B.J.*
4. **Al-kadmy, I.M.S.**; Al-Kaabi, M.H.; Musafar, H.K. (2015). Detection of Aminoglycoside modifying enzymes in *Acinetobacter baumannii* isolated from hospitalized Iraqi patients. *Greener Journal of Biological Sciences.* 5 (1):010-019.
5. Jubori, S.S.; Al-Jabiri, H.A. and **Al-Kadmy, A.M.S.** (2015). Molecular Detection of Aminoglycoside Resistance Mediated by Efflux Pump and Modifying Enzymes in *Pseudomonas Aeruginosa* Isolated From Iraqi Hospitals. *Int'l Conf. on Medical Genetics, Cellular & Molecular Biology, Pharmaceutical & Food Sciences (GCMBPF-2015).*
6. Muslim, S.N.; **AL\_Kadmy, I.M.S.A.A.**; Hussein, N.H.; Mohamed Ali, A.N.; and Dwaish, A.S. (2015). Enhancement of the Activity and Stability of L-Asparaginase Food Additive Purified from *Acinetobacter Baumannii* as Anticarcinogenic in Processed Foods. *IICBE 2015 International Conference Program- Aug. 27-28, 2015 Kota Kinabalu (Malaysia).*
7. Al-Grawe, I.G.; **Al-Kadmy, I.M.S.**; Mohamed Ali, A.N.; Muslim, S.N. and Salman, I.M.A. (2015). *tox A* gene as a chromosomal marker for rapid identification of Otitis media *Pseudomonas aeruginosa*. *IICBE 2015 International Conference Program- Aug. 27-28, 2015 Kota Kinabalu (Malaysia).*
8. Muslim, S.N.; **AL-Kadmy, I.S.M.**; Hussein, N.H.; Mohammed Ali, A.N.; Taha, B.M.; Aziz, S.N.; Al Kheraif, A.A.; Divakar, D.D. & Ramakrishnaiah, R. (2016). Chitosanase purified from bacterial isolate *Bacillus licheniformis* of ruined vegetables displays broad-spectrum biofilm inhibition. *Microbial Pathogenesis.* 100. 257-262.
9. Auda, IG; **Al-Kadmy, I.M.S.**; Kareem, S.M.; Lafta, A.K.; A'Affus, M.H.O.; Khit, I.A.A.; Kheraif, A.A.; Divakar, D.D.; Ramakrishnaiah, R. 2017. RAPD- and ERIC-Based Typing of Clinical and Environmental *Pseudomonas aeruginosa* Isolates. *Journal of AOAC International.* 100(2).
10. Kareem, S.M.; **Al-Kadmy, I.M.S.**; Al-Kaabi, M.H.; Aziz, S.N.; Ahmad M. (2017). *Acinetobacter baumannii* virulence is enhanced by the combined presence of virulence factors genes phospholipase C (*plcN*) and elastase (*lasB*). *Microbial Pathogenesis* 110: 568-572.
11. Alyousef, A.A.; **Al-Kadmy, I.M.S.** 2017. The effect of immune modulation of *Streptococcus constellatus* SC10 strain upon *Acinetobacter baumannii* infection. *Microbial Pathogenesis,* 111: 370-374.
12. Muslim, S.N.; **AL-Kadmy, I.M.S.**; Mohammed-Ali, A.N.; Salman, B.K.; Ahmad, M.; Khazaal, S.S.; Hussein, N.H.; Muslim, S.N. 2018. Chitosan extracted from *Aspergillus flavus* shows synergistic effect, eases quorum sensing mediated virulence factors and biofilm against nosocomial pathogen *Pseudomonas aeruginosa*. *International Journal of Biological Macromolecules.* *International Journal of Biological Macromolecules,* 107; 52–58.
13. Muslim, S.N.; **AL-Kadmy, I.M.S.**; Mohammed-Ali, A.N.; Khazaala, S.S.; Ibrahima, S.A.; Al-Saryia, N.A.; Al-saadia, L.G.; Muslim, S.N.; Salmanc, B.K.; Aziz, S.N. (2018). Screening, nutritional optimization and purification for phytase produced by *Enterobacter aerogenes* and its role in enhancement of hydrocarbons degradation and biofilm inhibition. *Microbial Pathogenesis* 115:159–167.

14. **I.M.S. AL-Kadmy**, A.N.M. Ali, I.M.A. Salman, and S.S. Khazaal. (2018). Molecular characterization of *Acinetobacter baumannii* isolated from Iraqi hospital environment. *New Microbes New Infect.* 21: 51–57.
15. Muslim, S.S.; **Al-Kadmy, I.M.S.**: Auda, I.G.; Mohammed Ali, A.N.; Al-Jubori, S.S. 2018. A Novel Genetic Determination of a Lectin Gene in Iraqi *Acinetobacter baumannii* Isolates and Use of Purified Lectin as an Antibiofilm Agent. *Journal of AOAC International.* 101(5): 1623-1630(8).
16. Raid Al, A.; Helal, F.H.; Muslim, S.N; **Al-Kadmy, I.M.S.** & Aziz, S.N. (2019). Broad-Spectrum Bioactivity of Chitosan N-acetylglucosaminohydrolase (Chitosan NAGH) Extracted from *Bacillus ligniniphilus*. *Journal of AOAC International.* DOI: <https://doi.org/10.5740/jaoacint.18-0363> .
17. Nadal Al-Saryi, Susan A. Ibrahim, **Israa M.S. AL-Kadmy**, Helal F. Hettac (2019). Whole genome sequencing of *Streptococcus pneumoniae* serotype 33C causing fatal sepsis in a hospitalized patient with nephrotic syndrome. *Gene Reports* 16:100434.
18. Helal F. Hetta , Eman M. Fahmy, Ghada A. Mohamed, Marwa A. Gaber, Azza Elkady, Mohamed M. Elbadr, **Israa M.S. Al-Kadmy**. (2019). Does vitamin D status correlate with insulin resistance in obese prediabetic patients? An Egyptian multicenter study. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 13: 2813e2817.
19. **Al-Kadmy, I.M.**, Ibrahim, S.A., Al-Saryi, N., Aziz, S.N., Besinis, A. and Hetta, H.F., 2019. Prevalence of Genes Involved in Colistin Resistance in *Acinetobacter baumannii*: First Report from Iraq. *Microbial Drug Resistance.*
20. Khazaal, **S.S., Al-Kadmy, I.M.** and Aziz, S.N., 2020. Mechanism of pathogenesis in multidrug resistant *Acinetobacter baumannii* isolated from intensive care unit. *Gene Reports*, 18, p.100557.
21. Hetta, H.F., Elkady, A., Yahia, R., Meshaal, A.K., Saad, M.M., Mekky, M.A. and **Al-Kadmy, I.M.**, 2020. T follicular helper and T follicular regulatory cells in colorectal cancer: A double-edged sword. *Journal of Immunological Methods*, p.112753.
22. **Al-Kadmy, I.M.**, Ibrahim, S.A., Al-Saryi, N., Aziz, S.N., Besinis, A. and Hetta, H.F., 2020. Prevalence of genes involved in colistin resistance in *Acinetobacter baumannii*: first report from Iraq. *Microbial Drug Resistance*, 26(6), pp.616-622.
23. Hussein, A.H., Hussein, N.H., Taha, B.M., Rasool, K.H. and **Al-Kadmy, I.M.**, 2020. Distribution of *Pantoea agglomerans* isolates and molecular detection of bla<sub>PER-1</sub> ES $\beta$ L gene: A statistical study. *Microbial Pathogenesis*, 147, p.104374.
24. Marjani, M.F.A., Ali, F.S., Authman, S.H., **Kadmy, I.M.A.** and Amir, R.M.A., 2020. Identification of novel 1, 3-oxazole and imidazole-5-one that inhibits bacterial biofilm formation of *Acinetobacter baumannii*. *Gene Reports*, 20, p.100782.
25. Abid, S.A., Suhail, A., **Al-Kadmy, I.M.**, Sattar, A.A., Beshbishy, A.M., Batiha, G.E.S. and Hetta, H.F., 2021. Biosensors as a future diagnostic approach for COVID-19. *Life Sciences*, p.119117.
26. Kareem, S.M., **Al-Kadmy, I.M.**, Kazaal, S.S., Ali, A.N.M., Aziz, S.N., Makharita, R.R., Algammal, A.M., Al-Rejaie, S., Behl, T., Batiha, G.E.S. and El-Mokhtar, M.A., 2021. Detection of gyrA and parC Mutations and Prevalence of Plasmid-Mediated Quinolone Resistance Genes in *Klebsiella pneumoniae*. *Infection and Drug Resistance*, 14, p.555.
27. Hetta, H.F., **Al-Kadmy, I.M.**, Khazaal, S.S., Abbas, S., Suhail, A., El-Mokhtar, M.A., Abd Allah, N.H., Ahmed, E.A., Abd-Elattief, R.B., El-Masry, E.A. and Batiha, G.E.S., 2021. Antibiofilm and antivirulence potential of silver nanoparticles against multidrug-resistant *Acinetobacter baumannii*. *Scientific reports*, 11(1), pp.1-11.
28. Ibrahim, S., Al-Saryi, N., **Al-Kadmy, I.** and Aziz, S.N., 2021. Multidrug-resistant *Acinetobacter baumannii* as an emerging concern in hospitals. *Molecular Biology Reports*, pp.1-12.
29. Hussein, N.H., **Al-Kadmy, I.M.**, Taha, B.M. and Hussein, J.D., 2021. Mobilized colistin resistance (mcr) genes from 1 to 10: a comprehensive review. *Molecular biology reports*, pp.1-11.
30. Aziz, S.N., Al Marjani, M.F., Rheima, A.M. and **Al Kadmy, I.M.**, 2022. Antibacterial, antibiofilm, and antipersister cells formation of green synthesis silver nanoparticles and graphene nanosheets against *Klebsiella pneumoniae*. *Reviews in Medical Microbiology*, 33(1), pp.56-63.
31. Aziz, S.N., Abid, S.A., Al-Alak, S.K., **Al Kadmy, I.** and Rheima, A.M., 2022. Spread of ES $\beta$ L-producing *Escherichia coli* and the anti-virulence effect of graphene nano-sheets. *Archives of Microbiology*, 204(1), pp.1-8.
32. Meshaal, A.K., Hetta, H.F., Yahia, R., Abualnaja, K.M., Mansour, A.T., **Al-Kadmy, I.**, Alghamdi, S., Dablood, A.S., Emran, T.B., Sedky, H. and Batiha, G.E.S., 2021. In Vitro Antimicrobial Activity of Medicinal Plant Extracts against Some Bacterial Pathogens Isolated from Raw and Processed Meat. *Life*, 11(11), p.1178.

34. Aziz, S.N., Al Marjani, M.F., Rheima, A.M. and **Al Kadmy, I.M.**, 2022. Antibacterial, antibiofilm, and antipersister cells formation of green synthesis silver nanoparticles and graphene nanosheets against *Klebsiella pneumoniae*. *Reviews in Medical Microbiology*, 33(1), pp.56-63.
35. Suhail, A.M., Abed, M.A., Ahmed, S.M., **Al-Kadmy, I.M.**, Altaii, H. and Pan, G., 2022. Developed performance of rGO/p-Si Schottky junction solar cells. *Carbon Trends*, 9, p.100205.

## **PROFESSIONAL DEVELOPMENT**

- Workshop of Biological and chemical laboratories in the Security and Safety. College of Science, Al-Mustansiriya University, Baghdad, Iraq. 23-24 March 2016.
- Course of Statistical applications in biological research. College of Science, Al-Mustansiriya University, Baghdad, Iraq. 12-13 April 2016.
- Course of NCBI submission in gene bank / Wahj Al DAN office, Al-Karrada, Baghdad, Iraq. 21-22 August 2016.
- Course of Primer Design Principles and Photocapt in biotechnology research center/ Al-Nahrain University, on May 2013.
- Course of Primers Designing in Department of Biology/College of Science/Al-Mustansiriya University, on March 2014.

## **Other**

### **Patents:**

- 1- Drtoxification of Zearaleone produced by *fusarium graminearum* by purified tannase from *Citrobacter Freundii* on 22\5\2016 by the ministry of planning / Central Organization for Standardization and Quality Control/ Iraq. Patent number was 4573.
- 2- The purified heparinase from *Paenibacillus polymyxa* and low molecular weight heparins (LMWHs) produced by enzymatic cleavage by heparinase acting as antitumor agents on Hep-2 tumor cell line on 22\11\2015 by the ministry of planning / Central Organization for Standardization and Quality Control/ Iraq. Patent number was 4376.
- 3- Extraction of chitosan from *Aspergillus flavus* by *Lactobacillus paracasei* and *Bacillus subtilis* and its synergistic effect for increasing antibiotics activity on 16\8\2018 by the ministry of planning / Central Organization for Standardization and Quality Control/ Iraq. Patent number was 5461.
- 4- Synthesis and characterization of SiO<sub>2</sub> nanoparticles conjugated tannase and using it for enhancement antibacterial activity of tannase produced by *Serratia marcescens* on 18\2\2018 by the ministry of planning / Central Organization for Standardization and Quality Control/ Iraq. Patent number was 5241.
- 5- A new method for lectin extraction from *Acinetobacter baumannii* and using it as antibiofilm formation agent on 22\4\2018 by the ministry of planning / Central Organization for Standardization and Quality Control/ Iraq. Patent number was 5341.