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EDUCATION

October 1999 - October 2004 B.A. in Veterinary Sciences	College of Veterinary Medicine, University of Baghdad, Iraq. The final grade average was (GPA 3.00, 85.88%), ranked as the 2nd of 216 students.
October 2005 - October 2007 M.Sc. in Medical Microbiology	College of Medicine, Microbiology Department, University of Baghdad, Iraq. The final average was (GPA 3.00, 81.1%).
August 2011- October 2016 Ph.D. in Microbial Biology	Microbial Biology Department, School of Environmental and Biological Science, Rutgers University, New Brunswick, NJ, USA., (GPA 3.7, 93%)

RELEVANT COURSEWORK

Microbial Life, Microbial Biochemistry, Applied and Industrial Microbiology, Scientific Ethics, Microbial Ecology and Diversity, Microbial Physiology and Advanced Genetic and Molecular Biology.

EXPERIENCE

- Teaching microbiology courses and advising undergraduate and graduate students of Diyala University, Iraq.

- Senior of Health Promotion Natural Lab. 2013 – November 2016/ Rutgers University-Food Sciences Building Rm#213A, New Jersey, USA
- Supervising and training tens of undergraduate and graduate students who are interested in microbiological research.
- Teaching and communicating with undergraduate students of Rutgers University, New Jersey, USA
- Promote a positive environment for the student making them love what they are doing.
- Worked as a vice head of biotechnology dept. for 4 months.
- Reviewer for 3 scientific journals; *Probiotics and Antimicrobial Proteins*, *Applied and Environmental Microbiology*, *FEMS Microbiology letters*, *Diyala Journal of Pure Science*.

Positions Held

October 2009 - April 2011	Teaching Assistant in College of Sciences, Biology Department, Diyala University, Iraq.
April 2011 - August 2011	Teaching Assistant and vice director of Microbiology Department in College of Veterinary Medicine, University of Diyala, Iraq.
April 2013 -November 2016 November 2016- September2019	Senior of Health Promotion Natural Lab., Food sciences Building, Rutgers University-New Brunswick, NJ, USA. Lecturer in Biotechnology Department, University of Diyala, Ba'aqubah, Iraq
September 2019- Present	The Director of Scholarship and Cultural Relations Dept., University of Diyala, Iraq

SKILLS

Technical: Microsoft Office (Word, Excel, Access, PowerPoint, SigmaPlot)

Languages: Speaking, reading and writing both Arabic and English.

Research field: Probiotic, Natural derived antimicrobials, Biofilm, Nanobiotechnology.

Online Profiles:

https://www.researchgate.net/profile/Ammar_Algburi

<https://scholar.google.com/citations?user=v2z8GQkAAAAJ&hl=en>

https://app.dimensions.ai/discover/publication?and_facet_researcher=ur.01344640525.55

Publications:

1. Al-Hasani, H.M.H. & **Algburi, A.** Ethyl Alcohol and Sodium hypochlorite activity against pathogenic biofilm formation. *Biochemical and Cellular Archives*. 20(1). It will be published online April, 2020.
2. **Algburi, A.**, Zehm, S., Netrobov, V., Weeks, R., Zubovskiy, K. & Chikindas, M.L. 2018. Benzoyl peroxide inhibits quorum sensing and biofilm formation by *Gardnerella vaginalis* 14018. *Infectious Diseases in Obstetrics and Gynecology*. 2018.
<https://doi.org/10.1155/2018/1426109>.
3. **Algburi, A.**, Zhang, Y., Weeks, R., Comito, N., Zehm, S., Pinto, J., Uhrich, K.E. & Chikindas, M.L. 2017. Gemini cationic amphiphiles control biofilm formation by bacterial vaginosis pathogens. *Antimicrobial Agents and Chemotherapy*.
<http://dx.doi:10.1128/AAC.00650-17>.
4. No, D.S., **Algburi, A.**, Huynh, P., Moret, A., Ringard, M., Comito, N., Drider, D., Takhistov, P. & Chikindas, M.L. 2017. Antimicrobial efficacy of curcumin nanoparticles against *Listeria monocytogenes* is mediated by surface charge. *Journal of Food Safety*,
<http://dx.doi:10.1111/jfs.12353>.

5. **Algburi, A.**, Zehm, S., Netrobov, V., Bren, A. B., Chistyakov, V., & Chikindas, M. L. 2016. Subtilosin Prevents Biofilm Formation by Inhibiting Bacterial Quorum Sensing. *Probiotics and Antimicrobial Proteins*, 9, 81–90. <http://dx.doi:10.1007/s12602-016-9242-x>.
6. Zhang, Y., **Algburi, A.**, Wang, N., Kholodovych, V., Oh, D. O., Chikindas, M., & Uhrich, K. E. 2016. Self-assembled cationic amphiphiles as antimicrobial peptides mimics: Role of hydrophobicity, linkage type, and assembly state. *Nanomedicine: Nanotechnology, Biology and Medicine*. S1549-9634 (16)30109-5. <http://dx.doi:10.1016/j.nano.2016.07.018>.
7. **Algburi, A.**, Volski, A., Cugini, C., Walsh, E.M., Chistyakov, V.A., Mazanko, M.S., Bren, A.B., Dicks, L.M.T. and Chikindas, M.L. 2016. Safety properties and probiotic potential of *Bacillus subtilis* KATMIRA1933 and *Bacillus amyloliquefaciens* B-1895. *Advances in Microbiology*, 6, 432-452. <http://dx.doi.org/10.4236/aim.2016.66043>.
8. **Algburi, A.**, Comito, N., Kashtanov, D., Dicks, L.M.T. and Chikindas, M.L. 2016. Control of biofilm formation: antibiotics and beyond *Applied and Environmental Microbiology*, <http://dx.doi:10.1128/AEM.02508-16>.
9. **Algburi, A.**, Volski, A. and Chikindas, M.L. 2015. Natural antimicrobials subtilosin and lauramide arginine ethyl ester synergize with conventional antibiotics clindamycin and metronidazole against biofilms of *Gardnerella vaginalis* but not against biofilms of healthy vaginal lactobacilli. *FEMS Pathogens and disease*, 73(5), p.ftv018. <http://dx.doi.org/10.1093/femspd/ftv018>.
10. Turovskiy, Y., Cheryian, T., **Algburi, A.**, Wirawan, R.E., Takhistov, P., Sinko, P.J. and Chikindas, M.L. 2012. Susceptibility of *Gardnerella vaginalis* biofilms to natural antimicrobials subtilosin, ϵ -poly-L-lysine, and lauramide arginine ethyl ester. *Infectious diseases in obstetrics and gynecology*, 2012, 284762. <http://doi.org/10.1155/2012/284762>.

Name and contact details of 3 referees from whom INL can request a recommendation:

1. Prof. Dr. Michael L. Chikindas,

Health Promoting Natural Laboratory, School of Environmental and Biological Sciences, Rutgers
State University, New Brunswick, NJ, USA

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2. Prof. Dr. Mohammed A. Saleh

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