

Curriculum Vitae

Prof Dr. Salah Badr (Professor of Microbiology and Consultant of food Safety)

**PERSONAL
INFORMATION****Name:** Salah Eldien Gamal Eldien Badr**Nationality:** Egyptian**Date of Birth:** 24 May 1967**Place of Birth:** Sohag- EGYPT**Major:** Microbiology**Marital status :** Divorced**Health status:** Healthy , not taking any medication**Position:** professor of Microbiology Faculty of science, Al-Azhar University, Egypt**Permanent address:** Microbiology Department, Faculty of Science, Al-Azhar University, 71524 Assiut , EGYPT<http://www.azhar.edu.eg/scienceasyout/homepage>**Telephone:** 00201013728303: tsgb167@gmail.com**CURRENT
APPOINTMENT**

Professor of Microbiology, Faculty of Science, Al-Azhar University, 71524 Assiut, Egypt.

**FORMER
APPOINTMENTS**

June 2011 – 2013	Head and associate professor of Medical laboratory Department, Al Ghad International Colleges for Applied Medical Sciences, the Kingdom of Saudi Arabia (KSA).
June 2009 – June 2011	Head and associate professor at Botany and Microbiology department, Nalut University, 2009-2011, Lybia
June 2005- August 2008	Assistant professor of Microbiology, Faculty of Science, AlAzhar University, , 71524 Assiut, Egypt.
January 2008- till now	Professor of Microbiology, Faculty of Science, Al-AzharUniversity, 71524 Assiut, Egypt.
2003-2004	Postdoctoral fellowship on Molecular biology of bacterial pathogens granted from Leeds University, UK, under supervision Professor Ian Chopra , professor of microbiology and Director of Antimicrobial Research center, Leeds University, UK, according to that fellowship I received intensive training on molecular biology tools and cloning programs of <i>Staphylococcus aureus</i> (MARSA strains)
2001-2005	Lecturer of Faculty of Science, Al-AzharUniversity, 71524 Assiut, Egypt.
1998-2000	PhD student in Kansas state University , Manhattan, Kansas 6606
1994-2000	Assistant Lecturer of Applied Microbiology , Faculty of Science, Al-Azhar University, 71524 Assiut, Egypt.

1991-1994 Demonstrator, Faculty of Science, AlAzhar University, 71524 Cairo.

EDUCATION

- Professor (2017) Second habilitation for Professor in Microbiology, approved by the permanent scientific committee of the government of Egypt, Al-Azhar University, Cairo, Egypt.
- Associate Professor (2005) First habilitation for Associate Professor in Microbiology, approved by the permanent scientific committee of the government of Egypt, Al-Azhar University, Cairo, Egypt.
- PhD (2001) AlAzhar University cooperation with Kansas state University according to scientific channel program., entitled (New dye containing media for differentiation between *E coli* O157:H7 and other bacteria), under supervision of Professor Doctor Daniel Y. C. Fung, (k-state.edu) professor of Microbiology, Department of Animal Science and Industry Kansas State University, Manhattan, Kansas, USA
- MSc (1994): Applied Microbiology, MSc Bacteriology (Second Master degree), Faculty of Science, ALAzhar University, EGYPT, 1994 (Studies on antibiotic resistant bacteria isolated from postoperative septic wounds)
- B.Sc. (1988) AlAzhar University, Faculty of Science, Microbiology, Cairo, Egypt (Very good).

WORKSHOPS, TRAINING AND MEETINGS

- December 25-26, 2017 Training program 'The development of the Administrative and Legal Skills', Al-Azhar University, Cairo, Egypt.
- December 20-21, 2017 Training program 'Crisis and disaster management ', Al-Azhar University, Cairo, Egypt.
- April 2-3, 2008 PCR and Ge electrophoresis, Assiut, Egypt.
- July 25-26, 2016 Training Program (Current Trend in Higher Education Development), Al-Azhar University, Assiut, Egypt.
- April 4-5, 2016 Training program (Effective Stress and Time Management), Al-Azhar University, Assiut, Egypt.
- March 26-27, 2016 Training program (Strategic Planning), Al-Azhar University, Assiut, Egypt.
- March 31- April 1, 2007 Workshop (Principles of protein analysis), Assiut University, Egypt.
- October-10, 2003 Workshop (Methods in Molecular Biology and its Applications Leeds University)
- July 1-30, 2005 Communication skills and preparation of scientific papers and research proposals Assiut University, Egypt.
- March 20-21, 2005 Training program (TOT), British council in Cairo.
- May, 1997 I have been received Training on Rapid method and Automation in Microbiology , KSU, USA, 1997



- May, 1998 Rapid method and automation in Microbiology, Kansas State University
- May, 2002 I have been received workshop in Antibiotic Resistant Bacteria, Lillhammer, Norway
- July, 1999 19th Annual workshop of the Rapid Method and Automation in Microbiology, KSU, United States of America SA . 55 contact hours. July 9-16-1999.USA
- August, 2002 18th International ICFMH Symposium 18-23 August 2002, Lillehammer. Norway.
- March, 2003 5th International Scientific Conference (F.I.S.C.) 25-27 March 2003. AlAzhar- EGYPT
- November, 2007: Antimicrobial Drug Resistance and Development New Antibiotics Conference. Indian National Academy (INSA), with German Academy of Science Leopoldina, November 22-25, 2007- New Delhi-India.
- November, 2008 2th Medical Research in The Arab world –Modes of Collaboration and Development-11-13-2008. Cairo. EGYPT.

Community services and activities

- 1-Head of community services committee, Faculty of Science, AlAhar University 2008, 2016-2018
- 3-Consultant of Food safety ,Varity of food Industries companies (Galina, EGYPTANT, APMAC, etc)
- 10- I trained postgraduate students on Food safety HACCP and ISO9000, ISO 17025 courses, Nasr institutes, Cairo, Egypt and Assiut University, (Annually, 2003-2017)

TECHNICAL SKILLS

- Computer: Word, Excel, Access, Power point, and Internet.
- Identification and microbial taxonomy
- Molecular Biology Techniques (PCR, Gelelectrophoresis)
- Antimicrobial Bio-Assay.
- HPLC.
- Electron microscope.
- Extraction and Identification of bioactive compounds techniques.
- Design experiments, conduct research and publish a research paper
- Analyzed the company food processing based on HACCP program and ISO9001 which led to set program of quality and safety of food production
- Preparation of the conferences, workshops and training courses
- Enzyme production and determination
- Bioactive compounds production by Actinomycetes

RESEARCH INTERESTS

My current researches focus on the following areas

- A) Antimicrobial , antioxidant and imunomodulatory substances from fermentation



B) Food born pathogens.

- C) Development of antibiotics against multi drug resistant bacterial pathogens
D) Hult Prize for controlling Food deficiency program

Teaching courses During my professional work I teach both of undergraduate and postgraduate students (faculty of science, faculty of dentistry and Health institute) courses of General Microbiology, Virology , Immunology Bacterial Taxonomy , Biotechnology , Applied Microbiology , Molecular and genetic engineering, and Antibiotic (practical and theoretical courses).

LANGUAGE SKILLS

Mother tongue Arabic

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English Very good Very good Very good Very good Very good

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THESIS SUPERVISING

I supervised many postgraduate students thesis at the Universities of Assiut and Alazhar in the field of food borne pathogens, biological control, probiotic bacteria, and antimicrobial substances, antimicrobial , immunomodulatory peptides

Master :1- Microbiological studies on rumen and poultry silages, 2009, Faculty of Science , AlAzhar University ,Assiut, EGYPT (granted)

2- Antimicrobial activity of some medicinal plant extracts in combination with rifampicin on Methicillin resistant *staphylococcus aureus* (MRSA) (2007) Faculty of Science , AlAzhar University ,Assiut, EGYPT

3- Antimicrobial Activity of Egyptian Medicinal Plants (2008) Faculty of Agriculture , Assiut University, EGYPT(granted)

4- Microbiological studies on cephalosporine production, Faculty of Science , AlAzhar University, Assiut, EGYPT(granted)

5- Microbiological Studies on *Bacillus thuringiensis* (2009), Faculty of Science, AlAzhar University, Assiut, EGYPT(granted)

6- Biopolymers production from Bacteria Isolated from different niches (granted)

7- Cellulase production from *Bacillus subtilis* (granted)

8-Development of Plant Wastes by Bacteria

- 9- Antimicrobial peptides from casein hydrolysate immunomodulatory (Current project)
- 10- Antimicrobial activities of fatty acids from different origin (current project)
- 11- Development of nanoparticles for infectious control in hospitals (current project)
- 11- Antimicrobial peptides production by protease enzyme

Some publications

1- Ali, S.G. (2003).

Biotechnological Application of alkaline cellulose in food technology. Assiut Univ. Bull Environ Res, vol. No.2. pp 117-123.

2- Ali Salah, G., and U. M. Abd- Raouf (2003).

Biotechnological application of alkaline pectinase enzyme from polluted wastes in upper Egypt from food industries. Assiut Journal of Agriculture Science. Vol 34, No 6, 381-393.

3- Ali Salah. G and U.M. Abdul-Raouf (2004).

New method for determination of agarase enzyme from Bacterial Origin. Assiut Veterinary Medical Journal, vol. 50 No. 100, 155:163.

4- Ali, Salah. G, and U. M. Abdul-Raouf (2004).

Development of medium for differentiation of *Yersinia enterocolitica* and other bacteria. Delta Journal of Science. 28:1-8.

5- Abdul-Raouf, and S. G. Ali (2005). Incidence of *Bacillus cereus* in Egyptian commercial rice and milk plate and its control by nisin. New Egyptian Journal of Microbiology. Vol. 10. 33-42.

6- Ali, Salah. G. (2005)

The Recovery of heat, freeze and acid injured *E. coli* O157:H7 on thin agar layer ((TAL) method and new dye containing medium (Salah-Fung E-7-I). New Egyptian Journal of Microbiology, vol 10. pp. 87-95.

7- Ali Salah G. and E. M. Mabrouk (2005)

Solution of the problem of malclarification and separation in mango syrup by fungal pectinases New Egyptian Journal of Microbiology, vol. 10 pp. 266-277.

8- Ali Salah G., and M.S. Ammar (2003)

Survival and growth of *E. coli* O157:H7 in fruit juices, Al-Azhar Bulletin of Science. Proceeding of 5th Int. Sci. Conf. 25-27 March 2003. pp. 273-287.

9- Ali Salah G. . *In vitro* synergistic effect of xylitol with *Salvadora persica* L extracts and cephalixin on *Streptococcus mutans* strains. International Journal of Advanced Biomedicine. 60 (143): 156– 164, (2017).

10- Ali. Salah G. Replacement Effect of NaCl by KCl with Garlic Extract on *Escherichia coli* O157:H7 and *Salmonella typhimurium* Strains. Egypt. Acad. J. Biolog. Sci. (G. Microbiolog) Vol.9 (1) pp. 29- 39 (2017)

11- Ali, Salah, G., Usama M. Abdoul-Raouf, and S.K. Bakhiet. *In vitro* Antibacterial Activities of Rifampicin and Cinnamon on MRSA (Methicillin Resistant *Staphylococcus aureus*). JASMR. 3(2):267-274 (2008).

12- Ali, Salah G., Elsayed E. Hafez, Usama M., Ubdul-Rahouf, Elsayed K. Bakhiet. Olive Oil Generated by the Recombinant *Escherichia coli* with ACCase Gene from *Jatropha curcas*. Genomics and Applied Biology, Vol. 4, No.2 8-14 (2013)

13- Ali Salah G. and Usama M. Abdul-Raouf, Isolation, characterization and molecular identification of *Bacillus thuringiensis* Alex-13 isolated from Egypt against *Spodoptera littoralis*. International Journal of Microbiology and Allied Sciences (IJOMAS), 2 (2):34-44, (2015).

<http://www.ijomas.com/wp-content/uploads/2016/01/Volume2-Issue2-Article3-Research.pdf>

14- Mohamed, A. Hassan, Salah G. Ali, , Elsayed K. Bakhiet, Hussien R. Hussien . Production and characterization of polyhydroxybutyrate (PHB) produced by *Bacillus* Sp Isolated from Egypt. Journal of Applied Pharmaceutical Science. Vol. 6(04), pp. 046-051, (2016).

- 15- **Ali Salah, G.**, Usama M. Abddul-Raouf, R. El-S Hassan and S.K. Bakhiet. *In vitro* Antibacterial Activities of Rifampicin and Propolis on MRSA (Methicillin Resistant *Staphylococcus aureus*). Egypt. J. of Appl. Sci., 22(6B), p. 774-7768 April, (2007).
- 16- **Ali S.G.(2003)**, Biotechnological Application of Alkaline Cellulase in Food Technology. Assiut Univ. Bull. Environ. Res. Vol.

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- REFERENCES

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- 2- Prof Dr : Abd El-RaheemEl-Shanawany
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