

Ministry of Higher Education
And Scientific Research
University of Baghdad
Science College



وزارة التعليم العالي والبحث العلمي
جامعة بغداد
كلية العلوم

Name: Alice Krikor, Agop Melconian

Date of Birth: 16 / 9 /1943 Baghdad, Iraq

Religion: Christian

Marital status: Single

No. of children:

Specialization: Microbiology – Immunology

Position: Senior Lecturer.

Scientific Degree: Doctorat d'Etat es Science.

Work Address: Baghdad University, College of Science, Biotechnology Dept.

Work Phone:

Mobile: 07901456779

E-mail: Melconian_2007@yahoo.com



First, Scientific Certification:

Degree science	University	College	Date
B.Sc.	University of Baghdad	College of sciences	1964
MSc.	University of Baghdad	College of sciences	1976
Diplome Detudes approfondies	Universite Claude Bernard	Lyon I	1980
Doctorat d'Etat es Science	Universite Claude Bernard	Lyon I	1984

 **Second, Career:**

No.	Career	Workplace	From -To
1	Demonstrator	Univ. of Baghdad. College of sciences. Biology Dept.	9/11/1964 till 1976
2	Assistant Lecturer	Univ. of Baghdad. College of sciences. Biology Dept.	1976-1984
3	Lecturer	Univ. of Baghdad. College of sciences. Biology Dept.	1984-1990
4	Assistant professor	Univ. of Baghdad. College of Sciences. Biology Dept.	8/5/1990 till 2002
5	Assistant Professor	Head of Biotechnology Dept. College of Sciences, Univ. of Baghdad	26/3/1999
6	Professor	Head of Biotechnology Dept. College of Sciences, Univ. of Baghdad Senior Lecturer	9/3/2002 – Till 25/10/2011 26/10/2011—Till now

 **Third, University Teaching.**

No.	University	The (Institute / College)	From -To
1	Baghdad University	College of sciences /biology Dept.	1964 to 1999
2	Baghdad University	College of sciences /biotechnology Dept.	1999 till now

Fourth, Teaching Courses

No.	Department	Subject	Year
1	Biology	Microbiology	1984 -1987
2	Biology/ Biotechnology	Pathogenic bacteriology	1984-2011
3	Biology/ Biotechnology	Immunology	1984-2011
4	Biology/ Biotechnology	Advanced pathogenic bacteriology	1990-2012
5	Biology	Bacterial toxins	1990-2000
6	Biotechnology	Advanced Immunology	1999-2011
7	Biology/ Biotechnology	Immunochemistry	2000-2006
8	Biotechnology	Cellular and molecular immunology	2010
9	Biotechnology	Vaccines	2010

Fifth, Thesis which was supervised :

No.	Thesis Title	Department	Year
MSc.			
1.	Purification of toxic shock syndrome Toxin -1 and its effect on the viability of Lymphocyte.	Biology	1987
2.	Identification of <i>Staphylococcus aureus</i> .and enterotoxins in meats.	Biology	1988
3.	A study of <i>Legionella</i> isolated from some water sources in Baghdad.	Biology	1988

4.	Isolation and Identification of aerobic and anaerobic Gram negative bacteria from abdominal wounds and the activity of antibiotics on the isolates.	Biology	1989
5.	Studies on coagulase negative staphylococci.	Biology	1990
6.	Effect of sex hormones on rabbits response to infection with <i>Staphylococcus aureus</i> toxic shock syndrome toxin-1	Biology	1990
7.	The use of <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> for the control of cabbage butterfly <i>Pieris rapae</i> (L.)	Biology	1990
8.	Epidemiological study on some pathogenic aerobic bacteria isolated from patients attending one of Baghdad hospitals.	Biology	1992
9.	Purification of locally isolated Brucella endotoxin and determination of its LD50 in mice.	Biology	1992
10.	The effect of chemical disinfectant on bacterial contamination in surgical theatres.	Biology	1993
11.	A study on staphylococci producing scalded skin syndrome isolated from children.	Biology	1993
12.	Purification and characterization of local <i>Staphylococcus aureus</i> exfoliative toxins.	Biology	1993
13.	The effect of sperm secretion and bacterial infections of seminal fluid in male sterile patients.	Biology	1993
14.	Study on the Synergistic effect between Toxic shock syndrome Toxin-1 and 2 endotoxins on macrophages.	Biology	1993
15.	Protein A from <i>Staphylococcus aureus</i> and its relationship with some of its physiological properties.	Biology	1994

16.	Study on aerobic pyogenic cocci causing infective endocarditis	Biology	1995
17.	Serological study of local isolates of encapsulated <i>Staphylococcus aureus</i> and their sensitivity to antibiotics.	Biology	1995
18.	Effect of <i>Brucella</i> antigen on blood cells in sheep and goat.	Biology	1997
19.	Isolation and identification of <i>Clostridium difficile</i> from children in Baghdad.	Biology	1997
20.	Enzymatic and serological study of encapsulated <i>Staphylococcus aureus</i>	Biology	1997
21.	Extraction and partial purification of local <i>Streptococcus pneumoniae pneumolysin</i> .	Biology	1998
22.	Purification and characterization of <i>Clostridium difficile</i> enterotoxin and preparation of antibodies in laboratory	Biology	1998
23.	Extraction and partial purification of the local <i>Pseudomonas aeruginosa</i> lipopolysaccharide.	Biology	1998
24.	The reaction of He-Neon laser on the bacterium <i>Pseudomonas aeruginosa</i>	Biology	1998
25.	Study of toxic shock syndrome Toxin-1 and cell wall component of <i>Staphylococcus aureus</i> .	Biology	1999
26.	Study on bacterium isolated from conjunctivitis patients.	Biology	1999
27.	The role of slime layer in <i>Staphylococcus epidermidis</i> adhesion to solid surfaces.	Biology	2000
28.	Isolation and characterization of slime layer from <i>Staphylococcus epidermidis</i> that adhere to medical devices used in	Biology	2000

29.	Isolation and Identification of enterococci from man and chicken and its relation to public health	Biotechnology	2000
30.	Bacteriological and cytogenetic study of acute Leukemia in children	Biotechnology	2000
31.	Bacteriological and enzymatic study of <i>Pseudomonas aeruginosa</i> producing elastase.	Biology	2001
32.	In vitro study on the effect of low power laser light on <i>Helicobacter pylori</i> using photosensitisers.	Biology	2001
33.	A laboratory study to reveal the effect of different concentrations of some anti <i>Pseudomonas aeruginosa</i> agents on surfaces of medical devices .	Biology	2001
34.	The use of C-Reactive protein as an assisting indicator for the presence of bacterial infections in children with acute lymphoblastic leukemia and acute	Biology	2001
35.	The detection of <i>Providencia</i> spp. In fecal samples taken from patients suffering from diarrhea in Baghdad city.	Biology	2002
36.	A study of the effect of photosensitization the technique by low power He:Ne laser on <i>Pseudomonas aeruginosa</i> infecting	Biotechnology	2002
37.	The role of bacteria in the formation of some kind of gallstones.	Biology	2002
38.	The effect of salicylate compounds on <i>Klebsiella</i> isolated from different clinical infections.	Biotechnology	2003
39.	Study of plasma endotoxin levels in urinary tract infection concerned with inflammatory parameters.	Biotechnology	2003

40.	Astudy of the effect of first degree burned skin extract on the host tolerance to Gram negative bacteria.	Biotechnology	2003
41.	Effect of low power laser on microorganisms infecting root canals using photosensitizers.	Biotechnology	2003
42.	Study the effect of povidone –iodine on treatment and prevention of aerobic microorganisms causing wound infections	Biotechnology	2004
43.	Inhibitory effect of <i>Cyperus rotundus</i> crude extracts on cancer cell lines.	Biotechnology	2004
44.	Cytogenetic and Immunological study on larynx carcinoma cell line HEP-2	Biotechnology	2004
45.	Cytogenetical and Bacteriological study on gastric cancer.	Biotechnology	2004
46.	Extraction, purification and antibody preparation of human C- Reative protein.	Biology	2005
47.	The study of bacterial adherence and resistance in orthopaedic prosthetic infections.	Biotechnology	2005
48.	Biological study on the activity of <i>Fumaria officinales</i> extract.	Biotechnology	2005
49.	Bacteriological and serological study of Osteomyelitis patients.	Biotechnology	2006
50.	The use of Lipopolysaccharide and glucan as immunomodulators for infected wounds.	Biotechnology	2006
51.	Effect of low power lasers light on sensitized <i>Staphylococcus aureus</i>	Physics /Al-Nahreen	2007
52.	Killing effect of low power lasers radiation on photosensitized <i>Staphylococcus epidermidis</i>	Physics /Al-Nahreen	2007

53.	Study the adherence of <i>Lactobacillus acidophilus</i> on uroepithelial cells and its interference with the adherence of some urogenital pathogens.	Biotechnology	2007
54.	Evaluation of immunological and pathological assays for diagnosis celiac disease in Iraqi patients.	Biotechnology	2008
55.	The use of Gallium –nitrate to inhibit the growth and biofilm formation of <i>Pseudomonas aeruginosa</i>	Biotechnology	2009
56.	The effect of the probiotic <i>Saccharomyces boulardii</i> on <i>Citrobacter</i> infections In mice.	Biotechnology	2010
57.	Prevalence of Beta –hemolytic <i>Streptococcus</i> carrier state and its susceptibility to antibiotics in school	Biotechnology	2011
58.	Adherence of type 1 Fimbriated <i>E.coli</i> to uroepithelial cells of women with Diabets Mellitus	Biotechnology	2011

Ph.D

59.	Astudy on the use of bacterial Lipopolysaccharide as an Immunomodulator and Immunoprophylactic agent in urinary	Biology	1999
60.	Astudy on Bacteria associated with kidney stones.	Biology	2001
61.	Epidermiological study of <i>Pseudomonas aeruginosa</i> by conventional bacterial markers and DNA polymerase chain	Biotechnology	2002
62.	Cytogenetic and Bacteriological study on lung cancer patients.	Biotechnology	2003
63.	Study of antineutrophil cytoplasmic antibody response in Iraqi patients with inflammatory Bowel diseases.	Biotechnology	2004

64.	Partial purification of type -1 pili extracted from <i>Escherichia coli</i> and its role in infections.	Biotechnology	2004
65.	Biochemical study of protease enzyme produced from locally isolated bacteria <i>Aeromonas hydrophila</i> .	Biotechnology	2005
66.	Cytogenetic and Bacteriological study on Colorectal cancer patients.	Biotechnology	2007
67.	In vitro comparison between anti-p fimbriae and anti – pap G11 adhesin antibodies in prevention in pyelonephritis <i>Escherichia coli</i> adhesin to human uroepithelial cells.	Biology	2007
68.	Role of anti –cyclic citrullinated peptide antibodies and Th1 and Th2 cytokines in immunopathogenesis of Iraqi patients with Rheumatoid arthritis.	Biotechnology	2008
69.	A study of P53 deletion in haematopoietic malignancy.	Biotechnology	2008
70.	Study of genetic polymorphism and immunohistochemistry of tumor suppression genes in bladder carcinoma patients.	Biotechnology	2009
71.	The effect of enterotoxins produced by <i>Escherichia coli</i> on colon cancer cell line (LS 174T) .	Biotechnology	2010

Sixth, Conferences participated:

No.	Conferences Title	Year	Place	Type of
1	International congress of Microbiology	1981	USA /Chicago	Attendance
2	International congress of Microbiology XIII	1982	USA/ Boston	Attendance
3	The 8th Arab conference of Biological sciences & The 4 th Jordanian conference of Biological sciences	1997	Amman / Jordan	Paper

4	Biotechnology Conference (Supreme council of sciences)	2001	Damascus , Syrian	Attendance
5	The 2nd International Conference on biological sciences organized by Botany and Zoology departments. Faculty of science , Tanta university	2002	Tanta , Egypt	2 Papers
6	The 4th Conference on scientific research outlook and technology development in the Arab world	2006	Damascus , Syrian	Attendance
7	Kurdistan 1st Conference on biological sciences , University of Dohuk	2006	IRAQ	Paper
8	Scientific seminar with advanced technology No.3 " infectious diseases , Zoonoses , and disease surveillance in Iraq " Amman-Jordan	2006	Amann/Jordan	Attendance
9	Kurdistan 2nd Conference on biological sciences , University of Dohuk	2008	IRAQ	paper
10	The 3rd scientific Conference of college of sciences , Baghdad University	2009	IRAQ	5 papers
11	The 2nd scientific Conference Biotechnology center Al-Nahreen university of sciences , Baghdad University	2010	IRAQ	paper
12	The First International scientific Conference of Genetic Engineering and Biotechnology 23-24 / Nov	2011	IRAQ	paper
13	The 5 th International Conference : Future Prospects for sustainable development in Arabic & African Countries .17-20 Nov	2011	Egypt	Paper

Seventh, Scientific Activities:

Within the	Outside the College
Undergraduate and graduate of examination committee	At Meat Research Institute/Langford / Bristol / U.K. Laboratories for 2 months in 1976 under the Supervision of Prof.Dr.J.R.Norris. and also in Kent and Little Hampton Biological control laboratories under the
Comprehensive examination committee for graduate studies	At Edward Herriot Hospital laboratories Lyon /France in 1978.
Competitive examination committee for graduate studies	At Food Research Institute (FRI) laboratories in Madison / Wisconsin USA under the supervision of Prof.Dr.M.S. Bergdoll in 1981.
	Training on "The use of molecular tools in studying host – pathogen interactions" Syria, Damascus, Feb.4-14, 2008.
	Attending workshop on food safety management and consumer protection in Amman Jordan from 6-7/8 /2010.
	Attending workshop on new applications in medical biotechnology / Kufa university (ASCO workshop, 26-27 April)

Eighth, Research Projects in The Feild of Specialization to The Environment and Society or the Development of Education:

No.	Research Title	Place of Publication	Year
1.	A strain of <i>Bacillus thuringiensis</i> Var. <i>kurstaki</i> isolated from cabbage butter fly <i>Pieris ripae</i> L.	Iraqi.J.Sci. 19(2):15-27.	1978
2.	Prevalence de production denterotoxines chez des souches de <i>Staphylococcus aureus</i> dorigine clinique	La Nouvelle Press Medicale .11, 3140.	1982

3.	Modified method for production and purification of <i>Staphylococcus aureus</i> enterotoxin B	Applied and Environmental Microbiology, 45, (3):1140-1143.	1983
4.	Enterotoxin production ,phage typing and serotyping of <i>Staphylococcus aureus</i> strains isolated from clinical materials and	Journal of Hygiene, Cambridge, 91,235 – 242.	1983
5.	Production and purification of <i>Staphylococcus aureus</i> toxic shock syndrome toxin	Current Microbiology, 9,325 – 328.	1983
6.	Studies on Staphylococci from toxic shock syndrome in France 1981-1983	Journal of Hygiene Cambridge, 94, 23 – 29.	1985
7.	Evaluation of <i>Bacillus thuringiensis</i> and <i>Pseudomonas aeruginosa</i> for Bull controlling fig leaf Moth, <i>Ocnerogyia amada</i> (Lepidoptera:	Iraqi Nat. Hist .Mus. 8(2): 113 – 118.	1989
8.	Some observation on the effect of <i>Staphylococcus aureus</i> toxic shock syndrome toxin – on local rabbits.	Iraqi Journal of Science, special issue L Mathematics and Biology, 31, 11 – 29.	1990
9.	Production and purification of toxic shock syndrome toxin – 1 from a local <i>Staphylococcus aureus</i> strain.	Iraqi J. Microbiol. 2(1):15 – 22.	1990
10.	Toxin production and phage typing of <i>Staphylococcus aureus</i> strains isolated from clinical materials.	The Iraqi Journal of Biological Sciences, 10(1): 59 – 71.	1990

11.	The effect of chemical disinfectants on antibiotics resistant bacterial contaminants in local surgical	Iraqi Journal of Microbiology, 5(2):59 – 74.	1993
12.	Isolation and Identification of Bacteroides and their sensitivity to antibiotics	Al-Mustansiriya J.Sci. , 4(1):75 – 80.	1993
13.	Purification and characterization of local <i>Staphylococcus aureus</i> exfoliative Toxins.	Iraqi J.Microbiol.6 (2):3 – 10.	1994
14.	Synergistic effect between toxic shock syndrome toxin-1 and endotoxin on phagocytosis and intracellular killing for <i>Staphylococcus aureus</i> by macrophages.	Iraqi J. Microbiol. 8(1): 5 – 22.	1996
15.	Purification of local human isolate <i>Brucella abortus</i> endotoxin .	Iraqi J. Microbiol. 10(1): 5 – 22.	1998
16.	Detection of capsule in <i>Staphylococcus aureus</i> isolates causative agent of endocarditis	Iraqi J.Sci. 29(2): 596 – 605.	1998
17.	Extraction and partial purification of LPS from local <i>Pseudomonas aeruginosa</i> isolate	Iraqi J.Microbial .10 (2):5 – 31.	1998
18.	Detection of exfoliative toxin A in local <i>Staphylococcus aureus</i> isolated from children.	Al- Mustansiriya J.Sci.10 (2):37 – 42.	1999

19.	Detection of staphylococcal protein A using three immunological methods	Technology research, 60: 18 – 29.	1999
20.	Enzyme activity of encapsulated and unencapsulated <i>Staphylococcus aureus</i> .	Iraqi J. Microbiol. 11(1):34 – 56.	1999
21.	Serological study of encapsulated isolates of <i>Staphylococcus aureus</i> .	Iraqi J. Microbiol. 11 (1):46 – 56.	1999
22.	Isolation of <i>Clostridium difficile</i> from the stool of children in Baghdad.	Iraqi J. Microbiol. 11(2): 5 – 16.	1999
23.	Extraction and partial purification of <i>Escherichia coli</i> lipopolysaccharide	J. Biotech. Research, 2(1):17 – 26.	2000
24.	Some immunological effects of <i>Escherichia coli</i> lipopolysaccharide in rats	Iraqi .J. Sci. 41, B(1):119 – 136.	2000
25.	Bacterial lipopolysaccharide and yeast glucan as an immunomodulators for prophylactic and treatment of urinary tract infection	Iraqi .J. Microbiol. 12 (2).1 – 17	2000
26.	Effect of corn oil nutrition on non specific immune response.	Iraqi J. Microbiol., 13(1) :25 – 41 .	2001

27.	The use of RAPD Markers as a typing method for epidemiological investigations of <i>Pseudomonas aeruginosa</i> .	Iraqi J.Microbiol., 13(2) :22 - 33 .	2001
28.	Microbial adherence to medical devices used in fluid transport.	Iraqi J. Microbiol., 13(3) :1 – 17.	2001
29.	Protection of white mice from <i>Pseudomonas aeruginosa</i> burn infections using LPS extracted from local <i>P. aeruginosa</i> (225 B)	Iraqi J.Microbial . 13(3):29-45.	2001
30.	Toxic Shock syndrome toxin-1 and enterotoxin production by <i>Staphylococcus epidermidis</i> isolated from clinical samples.	Iraqi J.Microbial .14(1):64-74	2002
31.	Estimation of endotoxin level in UTI Patients By using shoe crab lysate	J. of Tropical Disease Researches 1 (1) : 36 – 42	2004
32.	تأثير التراكيز المثبطة تحت الدنيا لبعض المواد المضادة للجراثيم على التصاق على اسطح العدد الطبية <i>Pseudomonas aeruginosa</i>	مجلة ابحاث التقانة الحيوية . المجلد السادس – العدد الاول - 32 – 18	2004
33.	Optimum Photosensitization of Pathogenic <i>Pseudomonas aeruginosa</i> using low power laser	J.Nahrain Univ. 7(2) : 54 – 62	2004
34.	power He: Ne laser radiation in killing Photosensitized <i>Helicobacter pylori</i> in vitro.	Iraqi J.Laser , Part B 3 pp.31-35.	2004

35.	ترايتون اكس - ايودين كمطهر جديد ضد البكتريا المعزولة من الجروح الجراحية المخمجة	مجلة علوم المستنصرية المجلد 16، العدد 2	2005
36.	نسب انتشار البكتريا الهوائية ومقاومتها لمضادات الحياة في اخماج الجروح الجراحية	مجلة علوم، مجلة علوم المستنصرية المجلد 16 ، العدد 2 ، الصفحات 13 – 21	2005
37.	Role of Bacteria in Urolithiasis (in vitro study).	Iraqi J. of Tropical Disease Researches. 2(1): 43 – 52.	2005
38.	Biochemical and bacteriological study on renal stone.	Iraqi J. of Tropical Disease Researches. 2 (1): 13- 20.	2005
39.	Isolation of <i>Klebsiella planticola</i> from clinical infections in iraq	Iraqi J.Science 46 (1): 125 – 132 .	2005
40.	Application of locally adapted immunofluorescent assay for antineutrophile cytoplasmic antibodies detection among Iraqi	Journal of basic medical sciences Vol.5 No.(1) 43-47	2005
41.	التصاق البكتريا الهوائية المخمجة للمواد البديلة ومواد التثبيت الداخلي والخارجي المستعملة في جراحة العظام والكسور	مجلة ابحاث التقانة الحيوية / المجلد الثامن (العدد الاول) ص 3-20	2006
42.	Effect of sub inhibitory concentration of antibiotic on bacterial adherence to Orthopedic prosthetic device.	J.Um salma for science V.4(1) :28-34	2007

43.	تنقية وتوصيف انزيم الروتينيبيز المستخلص من العزلة المحلية لبكتريا <i>Aeromonas hydrophila</i> المعزولة من الاسهال .	مجلة الفتح ، العدد الثامن والعشرون ، الصفحات 123-96	2007
44.	دراسة صفة السطح الكاره والتجمع الذاتي لبكتريا المعزولة من المهيل <i>Lactobacillus acidophiles</i>	مجلة مركز بحوث التقنيات الاحيائية (عدد خاص) المجلد الثالث ، العدد الثاني ، الصفحات ٢٢٢-٢٢٣	2009
45.	Role of anti-ccp antibody in early diagnosis of Rheumatoid arthritis.	Proceedings of 3 rd scientific conference of the college of science , Univ. of Baghdad 24 to	2009
46.	The study of adherence of <i>Lactobacillus acidophilus</i> on the uroepithelial cells and its interference with the adherence of some urogenital pathogens	Proceedings of 3 rd scientific conference of the college of science , Univ. of Baghdad 24 to 26 March	2009
47.	Effect of low power He: Ne laser radiation on photosensitized <i>Staphylococcus epidermidis</i> .	Proceeding of 3 rd scientific conference of the college of science.	2009
48.	Extraction and partial purification for adhesive protein Fim H from type -1 pili isolated from uropathogenic <i>E.coli</i>	Baghdad Journal for science.vol 6 (4) ,Pages 327-333 .	2009
49.	Isolation and partial purification of lipopolysaccharide from G-ve bacteria which came wound infection.	Science conference	2009

50.	Effect of low power He:Ne laser light on sensitized methicillin resistant <i>staphylococcus aureus</i>	Science conference	2009
51.	Possible predictive role of Anti – CCP Antibody in early diagnosis of Rheumatoid Arthritis.	3rd Science conference	2009
52.	استعمال الكلوكان كمعدل مناعي لخمج الجروح المسببة بكتيريا <i>Staphylococcus aureus</i>	International Journal for science and Technology / Jordan	2011

■ **Ninth, Membership:**

1. Member in editorial board (Biology Department) in Iraqi Journal of Sciences 1995-1999.
2. Editorial secretary of Iraqi journal of Microbiology from 1993-2003.
3. Member in editorial board of Iraqi Journal of tropical Disease Researchers 2004-2006.
4. Member in editorial board of international Journal for sciences and technology (IJST).Amman /Jordan.
5. Member in editorial board of Journal of Research Center for Biotechnology.
6. Member of many committees of post graduate studies in Iraqi universities.
7. Member in editorial board of Iraqi journal of cancer and medical genetics.

■ **Tenth, Awards and Certificates of Appreciation:**

No	Name of	Donor	Year
1	Acknowledgment	Minister of higher education and scientific sscientific	2004 2009
2	Acknowledgment	Minister of Agriculture	2006
3	Acknowledgment	President of Baghdad University	1994,1996,1997, 2002 & 2004
4	Acknowledgment	President of Mustansirya University	2003
5	Acknowledgment	Dean of college of sciences	1985,1988,1989,1990,1992,1993,1995, 1997,2001,2003,2004,2006
6	Acknowledgment	Assistance President of Baghdad University	2010

■ **Eleventh, Scientific literature:**

No.	Scientific Literature Title	Year of The Publication
1	Microbiology (in Arabic)	1991

■ **Twelfth, languages:**

- ✓ Armenian
- ✓ Arabic
- ✓ English
- ✓ French