



CV OF PROF. Dr. AMINA NAMMA AL-THWANI

(A brief professional curriculum vitae)

Name:

Amina N. Thwani Muhsin Al-Thwani

Specialization:

Medical Microbiology and Immunogenetic

Scientific Degree:

Professor.

Position:

Lecturer and researcher in Institute of Genetic Engineering and Biotechnology for Post Graduate Studies /Baghdad University

2000 – till now

Dean of the Institute of Genetic Engineering and Biotechnology for Post Graduate Studies /Baghdad University from 16-07-2007 till 23-01-2013

Scientific Certification:

- BVM&S./College of Veterinary Medicine/ Baghdad/1979.

With Degree of honor, first among the students.

- M.Sc. /College of Veterinary Medicine/ Baghdad/1987.

With very good degree

-Ph.D./College of Veterinary Medicine/ Baghdad/1995.

With excellent degree

Scientific promotions:

-Lecturer -24\2\1990.

-Assistant Professor -16\4\1996.

-Professor 23\10\2004.

Career:

- Lecturer and researcher in Institute of Genetic Engineering and Biotechnology for post graduate studies/ Editorial Manager of the Iraqi J. of Biotechnology/2001-2006
- Institute of Genetic Engineering and Biotechnology for post graduate studies/ Instructor of Genetic Engineering department /2004-2007.
- Institute of Genetic Engineering and Biotechnology for post graduate studies/ Editor in chief of the Iraqi Journal . of Biotechnology./2002-2007
- Chief Editor, Iraqi Journal of Biotechnology (2007-2013) Institute of Genetic Engineering and Biotechnology for post graduate studies.

Thankful , Appreciations and Awards:

More than hundred thankful, and appreciations from, Prim-Minster office,Minsters,Presedents of Universities, Deans from different Colleges

Five distinguish Awards (Inside and out side Iraq) from:

1-Foundation of Iraqi women 2011,2009

2-Amant Baghdad (municipally of Baghdad) April, 2012

3- Amant Baghdad (municipally of Baghdad) April ,2013

4-Council of Baghdad governorate. April ,2013

5-Duputy of priminster,2013

Supervised on Conferences:

During my dean-ship in the Institute, I supervised and chaired three Conferences with opening talks which are

1-1st.National Conference of Biotechnology,2008

2nd..National Conference of Biotechnology 2010

3rd.National and 1st.International Conferences of biotechnology,2011.

honor trophy:

-During my deanship, our Institute was granted an honor trophy, due to get the first rank among Institutes and Colleges in Baghdad University (2009)

-I received a letter of appreciation and trophy from the Council of Baghdad University (2013) for my job about 5.5 year as a dean.

-I received honor trophy (among few scientists) from the secretary of the First Africa Asian Congress on *Mycobacterium*, (April 2015),Isfahan, Iran due to my achievement in molecular works on the diagnosis of Tuberculosis.

Scientific Cooperation

-Member of different comities in Ministers and universities with - mutual relationship.

-Member of consultant comity of: Market Research and Consumer Protection, Journal of Baghdad University College.

-Member of Scientific Board comity of : Iraqi Journal of Veterinary Science-Mosul University .

-Member of Iraqi Journal of Veterinary Science-AL-Kadesia University .

-Scientific referee of Biology Text Book for the 6th year Elementary school

-Referee of many research paper for publication in Journals.

-Referee of many, Diploma desertation, MSc and PhD dissertation (more than 250).

-Head and member of many comities expertise of PhD studies

- member of many scientific promotions in side and outside Iraq.

-Chairman of many scientific sessions, inside and outside Iraq.

_Signing of Memorandum OF UNDERSATNING between

Siegen University-Poland and Baghdad University for mutual cooperation

International and Local Conferences and Seminars: 121

A-Outside Iraq.... 21

B-Inside Iraq 98

International , Local Symposium and work-shop 28

A-Outside Iraq 13

B-Inside Iraq 15

Supervision:

A. Post -Graduates:

-PhD: 17

-MSc: 41

-Diploma: 29

B. Undergraduates Students: Many from different colleges

**-Member of different comities in Ministers and universities with -
mutual relationship.**

Joint works with Ministries and other Foundations

1-Minstry of Health-

**A- Memorandum of Understanding for establishing Genetic
Map for *Mycobacterium tuberculosis*.**

B- Member of national comity for Iraqi Biosafety

2-Minstry of Agriculture-

A- Karyosome comity .

B- Member of national comity for Animal genetic sources

**3-Minstry of Science and Technology- Comity of Biosafety -1
and Biosecurity.**

**4- Ministry of Ecology –Comity for planning frame for -2
the National biology risk**

5-Minstry of Planinig- Center for specific Evaluation -3

University Teaching :

**1-College of Veterinary College –Baghdad University 1979 -
2000**

**-Institute of Biotechnology and Genetic Engineering – 2000 till
now**

**Teaching and Conducting Research ,more than 35 year in
Baghdad University**

.COURSES I TEACHE:

BAGHDAD UNI. Vet .College Parasitology 1980-1984

BAGHDAD UNI. Vet .College Pathology 1984-1987

3- BAGHDAD UNI. Vet .College Microbiology 1987-1999

4- BAGHDAD UNI. Vet .College Mycology 1995-2000.

5-BAGHDAD UNI. Vet .College Microbial Pathogenicity

1995-2000

6- BAGHDAD UNI. Vet .College Microbial Toxins 1995-

2000

7-Baghdad Science College Dept of Technology-Virology

2002-2004.

8-Al_Nahreen UNI. College of Science- Medical

Biotechnology2003-2004.

Institute of Biotechnology and Genetic Engineering teach:

A-Immunogenetic 2000-till now

B-Microbial Genetic 2005- till now

C-Molecular Virulence and Epidemiology 2007- till now.

D-Biotechnology

E-Different topics

Publications:

-Published more than 180 Scientific paper beside many accepted and under preparation

-Published book on Cholera-2nd.Ed (2016)

Presented more than ten opening talks and lectures in Conferences and Symposiums.

Work Address:

Institute of Genetic Engineering and Biotechnology for Post Graduate Studies / Baghdad University.

Mobile: 9647901656593

E-mail:draminaalthwani@yahoo.com

LIST OF PUBLICATION

1-Al-Delaimi,A.K.;Talib,A.R.Mohammed and Al-Thwani,A.N.(1988). Ring worm disease in cattle .Proceeding of the First Sci.Conf. of the Foundation of Technical Institutes. Med.Research.371-381.

2-Al-Thwani,A.N.; Hassan,F.K. and Khalifa,K.A.(1989).Pathological effects of *Candida albicans* and *Candida krusi* in mice.2nd Sci. Conf. of Ministry of Higher Education and Scientific Research, Baghdad.

3- Al-Thwani,A.N.; Khalifa,K.A and Hassan, F. K.(1989). Immune response of *Candida albicans* and *Candida krusi* in mice. Proceeding of the

fourth Sci.Conf.of Arab Vet. Medical Assoc. Published in the Veterinarian ,7,pp.106-112.

4-Shalash.A.A. and Al-Thwani,A.N.(1990).Microbiological and pathological studies on mycosis outbreak of Turkey in Iraq.. Proceeding of the 2nd Sci. Conf. of the Technical foundation, Baghdad,212-226.

6-Shalash.A.A.; Zenad, K.H. and Al-Thwani,A.N.(1991). Pathological aspects of acute mycosis in broiler chickens. The Veterinarian.,I:165-175.

7- Al-Thwani,A.N.; and Hassan, F. K.(1993). Study of Toxic effect of *Candida albicans* in mice. Proceeding of the First Sci. Conf. of Coll.Vet. Med.In I.Vet. Med.J.,13,243-254.

8- Al-Thwani,A.N.(1993). Isolation of *Aspergellus flavus* on media prepared locally.I.Vet.Med.J.,17,243-254.

9- AL-Thwani,A.N. ;Hassn,F.K. and Kalifa A.A.(1993).Evaluation of toxic effects of *Candidida albicanus* on mice. Proceeding of the first Scientific Conf.of College Vet. Medicine. J of College Vet.Medicine,Vol.17,1993

10-Al-Thwani,A.N.(1994).Identification and antibiotic sensitivity pattern of bacteria isolated from raw and mastitis milk at one of Baghdad Cow-rearing station. . The Veterinarian,(4,5),90-100.

11- Hassan, F. K. and Al-Thwani,A.N. (1997).The use of new family of chemotherapy as antibiotics in treatment of local diseases in cow. Proceeding of the 15th .Sci.Conf of Iraqi Microbiological Assoc. Kufa-Iraq.11-13 March.

12- Al-Thwani,A.N. ; Hassan, F. K. and Al- Omran,A.H.(1997). Production and evaluation of S19 vaccine against brucellosis in cows. The fifth Scientific and Technical Conf.of I.Vet.Med.Assoc.,Baghdad,14-16th Dec.,1997.

13-AL-Thwani,A.N.;Hassan,F.K. and AL-Omran,A.(1997) Preparation and using of Brucelline for the detection of Brucellosis in calves Proceeding of the first Scientific Conf. of Zoonotic Diseases, College of Veterinary Medicine 26-27\11\1997.

14- Al-Thwani,A.N. ; Hassan, F. K. and Al-Omran,A.H.(1998). Production and evaluation of strains 19 vaccine against Brucellosis in calves. The Veterinarian,8,2,17-27.

15- Al-Thwani,A.N. and Shanshal,R.(1998). Study in spread of *Brucella* spp.in some milk products in Baghdad. The sixth Sci. and Technical Conf.of Iraqi Vet.Med.Assoc. Baghdad,26-28 October.

16-Al-Thwani,A.N.; Al-Abassy,A.A. and Shanshal,R.(1998).Study in the epidemiology of brucellosis in Baghdad area. Proceeding of the 2nd Scintific .Conference .of Vet. Med Coll.. Mousal Univ.,Mousal,28-29 November.

17- Al-Thwani,A.N.(1998). Brucellosis. Facts and Expectation. Proceeding of the 2nd.Scintific Conf.of Zoonotic Dis.,Baghdad,15-16 December. The Veterinarian,Vol 9(3)165-185.

18-Al-Asady, A.; Farj, M.K. and Al-Thwani,A.N.(1999). Study of inhibitory effect of lactobacillus on *Candida albicans*. The Veterinarian,Vol 9(3)165-184..

19- Al-Thwani,A.N.; Al-Sadi, S. and Al-Saraf,S.(1999). Study in the epidemiology of Tuberculosis in cattle and its relation with public health in Abo-Grab and Al-Shulla-Baghdad. Proceeding on the 16th National conf. of Iraqi Student, Baghdad, 23rd March.

20-AL-Thwani,A.N. (1999)The relationship between brucella isolation and diagnosis from humen and animal products.proceeding of the 1st.International Conferecs on sheep and goat diseases and productivity.Faculty of veterinary Medicine.Irbid- Jordan23-25 October 1999

21-Al-Thwani,A.N. ; Hassan, F. K. and Al-Omran,A.H.(2001).Preparation of brucelline for detection of brucellosis in calves. Proceeding of the first Sci.Conf. of Zoonotic dis.,Baghdad,26th -27th Nov.1997.

22- AL-Biate,S.;AL-Thwani,A.N. and Yosif,L.(2000) .Evaluation Study of Rosbingal and tube agglutination tests for Brucellosis diagnosis. Proceeding of the third Scientific Conf. of Zoonotic Diseases. College of Veterinary Medicine-Baghdad University 16\5\2000

23-AbdulWahab,Z.T. and AL-Thwani,A.N.(2000).Isolation and diagnosis of pathogenic fungi causing dermatitis in field animal and worker. Proceeding of the Arab Ninth Scientific Veterinary Medicine Conf.14\11\2000.Baghdad(Iraqi Veterinary Medical Syndicate).

24-AL-Thwani,A.N. and AL-Amely,Z.(2001)Using oily extract of black seed and garlic seed in the treatment of farm animal and labor raring them. Proceeding of the 4th.Scintific conference of Jordanian Syndicate .Amman-Jordan 6-8\11\2001

25- AL-Thwani,A.N. Fraj,M.K.(2001)Study the effect of inhibitory effects of lactobacillus on *Candidda albicanus*. Proceeding of the second Scientific

Conference of Science ,Medicine Biology .AL-Zerka Private University.AL-Zarka26-28 April 2011

26-AL-Thwani,A.N.;Hassan,F.K. and AL-Omran,A.H.(2001).The use of locally prepared brucellen in the diagnosis of *Brucella* infection.J.of Biotechnology Research ,Vol.3(1),5-12.

27-AL-Hatamee,A.O.;Awanness,A.D. and AL-Thwani,A.N.(2002).Modified technique for the isolation of *Brucella* Spp. From cases of pyrexia of unknown origin, Iraqi J.of Biotechnology, Vol.1,No.1,138-147.

28- Al-Thwani,A.N.(2002) Using of Amino Acid Arginine For Treatment of Keratoconjunctivitis in Cow. The Veteranian Journal.12 (1).

29- Al-Thwani,A.N.(2002).Study the role of some predisposing factors for infection with *Candida albicans*.Iraqi Journal of Science,Vol:43b,No:1.93-105

30- Al-Thwani,A.N.and Ali,R.M.(2002) The use of EIPI20 strip for the diagnosis of agalactia isolated from cow with Mastitis and comparative with the routine biochemical test The Veteranian Journal.12 (2).

31- Al-Thwani,A.N.,Al-Hashimi, A.B. and Baqir, H.(2003). The Effect of cytotoxins Produced by Enter hemorrhagic *E.coli* o157:H7 Isolated from Bloody Diarrhea in children on Suckling Mice and Vero cells. Iraqi Journal of Biotechnology ,No:1,Vol:2,128-141.

32-AL-Thwani,A.N. ands Abbas,M.S. (2003) .Infection of slaughter house labor by bovine tuberculosis. Jordanian Vetrirainarian.18(1).31

33- Al-Thwani,A.N.(2004). Preparation and Evaluation of local Medium for Culturing &Growth of *Vibrio cholerae* in Iraq.. Iraqi Journal of Biotechnology ,No:1,Vol,3:116 -136.

- 34- Al-Thwani,A.N.(2004).Hepatitis C virus Genotype in Iraqi AIDS patients. Iraqi J. of Tropical Dis.Vol.1,No.1,9-20.
- 35-Al-bayatti,S.A.;AL-Thwani,A.N.and Haddi,A.A.(2004).Epidemiological study on brucellosis in sheep in Iraq.Al-Gadesia J.of Animal Science ,No.1,Vol.3;70-76.
- 36-Al-Thwani,A.N.,Alhashmi,A.B. and Baqer ,H.A. (2005).Study of the causative pathogens of bloody diarrhea in children less than 10 years of age. Iraqi J. of Tropical Dis.Research.Vol:2,No:1,18 – 26.
- 37- Al-Thwani,A.N.(2005). Toxoplasmosis and its relation to the abortion. Proceeding of the 5th GCC Primary HealthCare Conference 2-4 April ,2005.Qatar.
- 38- Al-Thwani,A.N and Al-Biate,N.A..(2005) Cholerae disease in Iraq and the investigation of some virulence factors of *Vibrio cholerae* locally isolated from diarrhea cases. Um- Salama Science Journal, No:4,Vol:2,522-532.
- 39- Al-Thwani,A.N., and AL-Kafaji,K. (2005). Comparative study of virulence factors of *Vibrio cholerae*. Proceeding of the Fifth Scientific Conference of AL-Qadisia University . Iraq.
- 40- Al-Thwani,A.N., and AL-Kafaji,K. (2005). Estimation of toxins production from environmental and clinical local isolate of *Vibrio cholerae*. Proceeding of the12th. International Conference of Arab-Biologist,19-24 November, Al-Hodeda University , Yemen.
- 41-AL-Amely,Z.T.Al-Thwani, A.N.; Alsamak,M. and Fraj,M.K. (2005). Isolation and Identification of the fungi that caused skin affections in farm, bet animals and that dealing with them. Proceeding of 9th Conf. of Foundation of Technical Education, Baghdad .12-22-.

42-Al-Thwani,A.N., Al-Abbasi A.M. and Shinashal R.Z.(2006).Study on epidemiology of brucellosis of human in some districts of Baghdad. Mosul J. of Education and Science.Vol.18,No..1,22-30

43-AL-Thwani,A.N.and Al-Yassiri,A.A.(2006).Incidence of Hepatic C and B and HIV Viruses in Hemophilic patients in Iraq . Iraqi J. of Biotechnology,Vol.5,No.1,70-84.

44-AL-Thwani,A.N. and Mashali,J.K(2006).Study the effect of lactobacilli *Lactobacillus spp* as probiotic on genetic constituent of intestinal candidiasis isolated from infants. Iraqi Journal of Tropical Diseases Unit.

45-AL-Hashmi,A.;AL-Thwani,A. and Baqir,H.(2007). Epidemiological detection of *Salmonella* infection. Iraqi J.of Biotechnology,Vol.6 No.2,55-63.

46-AL-Thwani, A. N. and AL-Naymi, H. A Al-Tahan,F.J..(2007).Evaluation of Antimicrobial Activity of Watery and Alcoholic Extracts for *Matricaria chamomilla* on Inhibition of Growth of Gram Positive. Iraqi J.of Biotechnology,Vol.6 No.2,52-70.

47-AL-Thwani,A.N.,AL-Maeny,S.A. and Al-Azawi,A.H.(2007). Evaluation of Inhibition Activity of *Ocimum basilicum* Leaves Extracts and its inhibitory evaluation on some pathogenic microorganism. Iraqi J.of Biotechnology,Vol.6 No.2,100-110.

48-AL-Thwani,A.N.,AL-Aubaidi A.H.(2007).Study about Stem Cells and Some Application Therapy. Iraqi J.of Biotechnology,Vol.6 No.2,1-20.

49-AL-Neame,H.A. ;Athwani,A.N. and ALTahan,F.J.(2007)Evaluation of Watery and Alcoholic of AL-Ward Mawi on the inhibition of growth of

gram +pathogenic bacteria isolated from pharyngitis and tonsillitis. Veterinarian Journal.3(1)

50-AL-Thwani,A.N.and AL-Shemari,S.A.(2008).Statistical and cytogenetic study on chronic myeloid leukemia patients in Iraq. Iraqi J. of Biotechnology, Vol.7,No.1,21-37.

51-AL-Thwani,A.N. and Mashali,J.K(2008).Study the effect of *Lactobacillus* as probiotic on the DNA of *Candida albicans* isolated from infants Thrush. Iraqi J.of Biotechnology,Vol.7 No.1,64-73.

52-Al-Thwani,A.N.,Baqir,H.A.,Alhashmi,A.B.(2008). Evaluation of home-mode ELISA system for the detection of antibodies against *Escherichia Coli* O 157:H7 using purified lipopolysaccharide. Um-Salama Science Journal.Vol.5(4):

53- Baqir, H. A., Alhashmi,A.B., Al-Thwani,A.N. (2008).Microbiological Study of *Escherichia coli* o157:H7 Isolated from Bloody Diarrhea in Children Under ten Years Old. Iraqi Journal of Science.Vol.49,No.1:90-94.

54-AL-Neame,H.A. ;AL-Thwani,A.N. and ALTahan,F.J.(2008) Evaluation of water and Alcoholic extract of leaf of *Euocalptos eucalyptu camaldulensis* on the inhibition of growth of gram +pathogenic bacteria isolated from pharangitis and tonsillitis. Iraqi Journal of Science .49(2)82-89.

55-Althwani,A.N.;Abdul-Kareem ,A. and Jassim,A.B.(2008)Study the effect of *Lactobacillus acidophilus* and Biosurfactant isolated ,on prevention the sticking the pathogenic bacteria with Columnar epithelial cells of Urinary tract. Journal of AL-Nahreen University.

56-AL-Thwani,A.N. , Mohammed, B.J. and Ahmad M. (2008).Detection of *Pseudomonas aeruginosa* in Hospital Contamination. Journal of Um - Salama,Vol.5 No.3,353-356-

57-AL-Thwani,A.N. , Al-Rashed, N. A. M. and Omer A. R. (2008).Evaluation of Hepatitis B virus Vaccination among Children in Baghdad City. Iraqi J. of Biotech.Vol.7,No.2:198-209.

58-AL-Thwani,A.N. , Al-Rashed, N.A.M. and Omer A. R. (2008).Evaluation of Hepatitis B virus Vaccination among children in Al-Diawynia city. Al-Qadisiah Medical Journal,Vol.4 No.6,116-125.

59-Althwani,A.N.;Almaeni,S. and Ibrahem,A.(2008)Chemical study of the volatile oil extracted from Rehan plant *Ocimum basilicum* and evaluate its inhibitory effect on some pathogenic microorganism .Alnahreen University Journal.11;(20,pp26- 34

60-AL-Thwani,A.N. and Mohemmed,B.J.(2008) Evaluation of the sensitivity of bacteriocine produced from lactobacillus isolated from vagina to some chemical and physical factors .Proceeding of the 1st Scientific Conference of Institute of Genetic Engineering and Biotechnology.29-30,April,2008

61-Althwani,A.N and Huseen,A.S.(2008) Genetic –Molecular Study of Thelasimic patients in Iraq .Proceeding of the 1st Scientific Conference of Institute of Genetic Engineering and Biotechnology.29-30,April,2008

62-Althwani,A.N; Bassim,A.J.;Ibraheem,S. and Sarhan,R.(2008)Using Plasmid survey in epidemiological investigation of *Salmonella typhi*

In drinking water samples in Alsader city. Proceeding of the 1st Scientific Conference of Institute of Genetic Engineering and Biotechnology.29-30, April, 2008

63-Althwani,A.N and Alkafagi,K.(2009) Purification and characterization of cholera toxin isolated from clinical samples. Proceeding of the 2nd Scientific Conference of the Institute of Genetic Engineering and Biotechnology 51.4-5\11\2009

64- Mohammed,B.;Abul alhusen,R; and AL-Thwani,A.N.(2009) Study the inhibitory effect of *Lactobacillus* isolated from yogurt as probiotic to eliminate the growth of *Candida albicans*. .Proceeding of the 2nd Scientific Conference of the Institute of Genetic Engineering and Biotechnology.4-5\11\2009

65- Al-Thwani,A.N and Mohammed,B.J. (2009).Evaluation of Inhibitory effects of lactobacillus as a probiotic against some pathological agents against genitourinary tract infection in some women in Baghdad. Proceeding of the 2nd Scientific Conference of the Institute of Genetic Engineering and Biotechnology.4-5\11\2009.

66-Al-Thwani,A.N and Mohammed,B.J. (2009).Evaluation of Inhibitory effects of lactobacillus isolated from different sources as a probiotic against some pathological agents against genitourinary tract infection in some women in Baghdad. Proceeding of the 1st Scientific Conference of Biotechnology Research Center.AL-Nahreen Unversity.Baghdad.Pp 100

67-Al-Thwani,A.N.,Al-Jumaily I.F., Alhashmi,A.B.,Al-Omari H.A.(2009).Extraction and Partial Purification of Lipopolysaccharide (LPS) from *E.coli* O157:H7 isolate. . Biotechnology Reaserch Center.3 (1) :

68-AL-Thwani, A. N. , Mohamed, B. J.(2009) Evaluating the inhibitory effect of Vaginal *Lactobacillus* to some pathogenic microorganisms of urogenital infections in women.3rd Scientific Conference of the College of Science, University of Baghdad 230-236 ,24 to 26 March 2009.

69- AL-Thwani, A. N. and Mohamed, B. J.(2009) Evaluation the sensitivity of Vaginal Lactobacilli to some Physical Conditions and Chemical Substances. Iraqi Journal of Biotechnology, Vol.8 No.1,200-206. Proceeding of the 1st Conference of Genetic Engineering and Biotechnology Institute 29-30 April 2009,Part 1.

70- AL-Thwani, A. N. , Al-Bayatti, S. A.(2009) Molecular Detection of Human Brucellosis Using PCR Technique in compare with Serological and Cultural Methods . Iraqi Journal of Biotechnology, Vol.8 No.1,263-274 Proceeding of.1st Conference of Genetic Engineering and Biotechnology Institute 29-30 April2009,Part 1.

71-Al-Thwani,A.N., and AL-Kafaji, K.M (2009a).Using PCR Analysis for detection of cholerae Toxin Gene of Clinical and Environmental *Vibrio cholerae* Isolates. 13th International Conference on Emerging Infectious Diseases in the Pacific Rim – Focused on Enteric Diseases held on April 06-09, 2009 at the Oberoi Grand Hotel Kolkata, India.

72-Al-Thwani,A.N., and AL-Kafaji, K.M (2009b).Comparative Study between Clinical and Environmental isolates of *Vibrio cholerae* in toxin co regulated pills ,cholerae toxin and amylase enzyme production.(2009).Proceeding of the 10th.Scientific Conf.of AL-Mamoon Univ.College 22ed-23rd.April 2009.

73- Al-Thwani,A.N., , Saleh M.A. and Hammad Z. N.(2009a).Comparative study for the some diagnostic techniques of toxoplasmosis in pre-school children. The Ninth Scientific Conf.of Baghdad Veterinary College,

Baghdad 31st-1st April 2009

74-AL-Thwani,A.N.;Ansaif,S.S. and Hadi,S.M.(2009) Evaluation of some plant extracts on cell line in vitro. Proceeding of the Ninth Scientific Conf.of College of veterinary Medicine-31-1-4\2009.J of College of Vet. Medicine (239-248).

75-Al-Thwani,A.N., and Bayatti, S.A. (2009)Evaluation of PCR,ELISA,and Culture Methods for the Diagnosis of Animal Brucellosis.Diyala Agricultural Sciences Journal,1(1);1-17.The 1st Scientific Conference of Agricultural Researches.

76- Al-Thwani,A.N., and AL-Kafaji, K.M (2009c).Stimulation of cholerae toxin production from *Vibrio cholerae* isolate at non permissive conditions.(346-352).Proceeding of the 3rd Scientific Conference of the College of Science ,Baghdad University,24th026th.March ,2009. pp 346-352 (Biological Section)

77- Al-Thwani,A.N. and Jassam S.A. (2009).Estimation of Chromosomal Aberration and Hematological changes in Leukocytes in sample of Iraqi patients with Chronic Myeloid Leukemia (CML). Proceeding of 3rd Scientific Conference of the College of Science, University of Baghdad,24th.-26th.March 2009 ,pp 1015-1021(Biological Section).

78- AL-Thwani, A. N. , Al-Saqr I.M.,Jasem A. B.,Ali S.I. *et al.*(2009) Using of Plasmid Scanning in Epidemiological Investigation for *Salmonella typhi* Bacteria in Polluted Water Supply and Patients in Al-Sader City. Iraqi Journal of Biotechnology, Vol.8 No.1,(419-427) Proceeding of 1st Conference of Genetic Engineering and Biotechnology Institute 29-30 April 2009,Part 2.

79-AL-Thwani, A. N. , Omer, A. R.,Saleh, M.A. (2009a).Comparison of two PCR protocol (direct amplification PCR and Nested PCR) for qualitative

measurement of hepatitis B Viral DNA. *Iraqi Journal of Biotech.* Vol.8, No.2:595-601.

80- AL-Thwani, A. N. , Mohamed, B. J.(2009).Determining the Minimum Inhibitory concentration (MIC),Minimum Bactericidal Concentration (MBC)and Minimum Fungicidal Concentration (MFC) OF Vaginal Lactobacillus for some Pathogenic Microorganisms of Urogenital Infections in Women. Proceeding of Eleventh Scientific Conf.Technical Foundation, Technical College,23-24th,March,2009

81- AL-Thwani ,A. and Salman ,S.(2009) Invitro effect of Kuromful on some pathological agents in comparison of the effect of some antibiotics. . Proceeding of Eleventh Scientific Conf.Technical Foundation, Technical College,23-24th,March,2009

82- AL-Thwani, A. N. and Al-Khafaji K. A.(2009e). Estimation of the Production of Virulence Factors From Clinical Isolates of *Vibrio cholerae* . Proceeding of Eleventh Scientific Conf.Technical Foundation, Technical College,23-24th,March,20092009/3/24-

83-Al-Thwani,A.N., Hammad Z. N and Saleh M.A..(2009).Biochemical parameters as regard to toxoplasmosis in male and female pre school children . Proceeding of Eleventh Scientific Conf.Technical Foundation, Technical College,23-24th,March,2009

84-AL-Thwani, A. N. , Al-Bayatti, S.A (2009). DNA Polymorphism Investigation among Local *Brucella* isolates..*Iraqi Journal of Veterinary Sciences*, Vol.23,Supplement II:213-218.Proceeding of 5th Scientific Conference, College of Veterinary Medicine, University of Mosul.

85- Mohamed, B. J. and AL-Thwani,A.N.(2009).Recognition of urinary tract infection pathogens and their association with the age of the infected Iraqi women. *Iraqi Journal of Market Research and Consumer*

Protection.Vol.1,No.1.119-127

86- AL-Thwani,A.N.Mahdi,M.G.and Al-Faisal ,A.H.(2009)Loss of Heterozygosity in Short Arm of Chromosome 8 in Ffpe Breast Cancer Tissue Samples .Iraqi J. of BiotechVol.8(3),696-703.

87- AL-Thwani, A. N., Mohamed, B. J (2009) Investigation of pathological bacteria and mixed infection with yeast that cause vaginitis and its relation with worker women .

88-AL-Thwani,A.N and Alkafagi,K.(2009).Diagnosis the differences in virulence production from isolated *Vibrio cholera* radiated by UV .Iraqi J of Science

89-AL-Thwani, A. N. and Alakade ,H.(2009) Measurement of the concentration of IL2 in the sera of Rhumatic arthritis. Proceeding of the 2nd Scientific Conference of the Institute of Genetic Engineering and Biotechnology.4-5\11\2009.

90-AL-Thwani,A.N. ; Namma,A.F. a Abdulwahab ,S.E. nd (2009) .Lactobacillus planetarium GE6 Reduces Aflatoxine B1 toxicity in Rats and Caco-2 cells. Proceeding of the 2nd Scientific Conference of the Institute of Genetic Engineering and Biotechnology.4-5\11\2009

91- AL-Thwani,A.N. and Mohamed, B. J. (2009).Evaluation the effect of different factors on urogenital infection and the associations between urinary tract infection and vaginitis. Iraqi Journal of Market Research and Consumer Protection.Vol.1,No.2:188-197.

92 -AL-Thwani,A.N.,AL-Awadi,S.,Abbas,S.F.,Essa,A.A.,Aziz,A.H.,Salo.W.H.,Nasif,N.F.;Ghareeb,A. M.;Hussin,N.;Imad,A.;Oleiwi,A.A. and Rubish,S.T (2009).Genetic variation of k-Casein Gene in Iraqi Buffalo breed Assay Using PCR-

RELP..First Biological Conference of Kufa University. Kufa J for Biological Science-945-951

93-AL-Thwani,A.N. and AL-Khafagi,K.(2009)Purification and characterization of cholera toxin isolated from clinical samples of *Vibrio cholera*. Proceeding of the 2nd.Scientific Conference of the Institute of Genetic Engineering and Biotchnology.4-5/11/2009

94- AL-Thwani,A.N.;Hammed,Z.N. and Saleh,M.A.(2009)Determination frequency of toxoplasmois IgM and IgG among preschool children by using ELISA and ELIFA. Proceeding of the 11th.Scientific Conference of technical Foundation.Pp264-275.March 23-24,Baghdad

**95-Saleh,M.A.;Hammed,Z.N. and AL-Thwani,A.N.(2009)Biochemical regarded to toxoplasmosis in male and female preschool children.
.Proceeding of the 11th.Scientific Conference of technical Foundation.Pp276-283.March 23-24,Baghdad**

96- AL-Thwani, A. N. , Hussein A.S.(2010).Molecular Genetic Study on Beta-Thalassemia major in some Iraqi Patients. Iraqi J. Biotech. Vol (9)(1):115-123.

97-AL-Namee,A.A.;AL-Thwani,A.N and AL-Joborri ,S.S.(2009).The histological and physiological effect of crud and partially purified lipopolysaccaride from *Brucella abortus* (Bio var 6) on lab mice Proceeding of the 2nd Scientific Conference of the Institute of Genetic Engineering and Biotechnology.4-5\11\2009

98- AL-Thwani, A. N. and Al-Khafaji K. A.(2010) Detection of Cholerae toxin producing isolate of *Vibrio cholerae* by Radial Immune diffusion method. International Journal for Sciences and Technology, Vol.(5)

No.(1):39-49..

99- AL-Thwani, A. N. , Omer A.R., Saleh, M. A. (2010). The role of some prognostic markers levels in monitoring chronic hepatitis B .Proceeding of 6th.Scientific Conf.of Pure Science,9th-10th.Febuary .AL-Mustenseria J . Sci. Vol.21 (5).2010.

100-AL-Thwani, A. N. and Mohamed, B. J.(2010).The susceptibility test of vaginal yeasts and their relationship with the age in Iraqi Women. Journal of Um-Salama for Science.

101-AL-Thwani, A. N. , Omer A.R. and Saleh, M. A. (2010).Clinical Observation of Cytokines in patients with Hepatitis B.Iraqi J. Biotech 9(2):137-143.

102-AL-Thwani,A.N. and AL-Kafagi,K.A.(2010) Purification and characterization of chorea toxin from clinical isolates of *Vibrio cholerae*. Iraqi J. of Biotechnology 9(2)211-225.

103-AL-Thwani,A.N.,AL-Kafagi,K,AL-Obiade ,R. and AL-Saqr,I.M. (2010) Molecular comparative study of *Cholera spp* isolated from water and patients. Proceeding of the 4th.International Conference of Environment and Natural Resourses.College of Science, Basra University 4-6\1\2010

104-AL-Thwani,A.N.,Taki,R. and Abudl Lataif ,S. (2010) Chemical composition of local Heba *Trigonella foenum-graecum* seed and its effect on some microorganism.Proceeding of the 6th Scientific Conference of Pure Science –Al-Mustanseria University 10\2\2010

105-AL-Thwani,A.N.,Al-Meani,S.,Salih,S.F. (2010) Extraction and Purification of mannose-specific lectin from *Escherichia coli*. Iraqi J. Biotech 9(2):150-157.

106-Al-Thwani,A.N.,Al-Meani,S.,Salih,S.F.(2010).Estimations different methods for extraction of surface lectin(type I pili) specific for mannose from pathogenic *E.coli*.Tenth Veterinary Scientific Conference-March:711-721.

107-AL-Thwani, A.N , AL-Aubaidi ,R.M. and Aref,S.K. (2010) Using Pulsed Field Gel electrophoresis (PFGE) to comprise clinical *Vibrio cholerae* isolated from patients and that isolated from surface water in Iraq. Proceeding of the 2nd.Scientific Conf.of the Institute of Genetic Engineering and Biotechnology,4th.-5th0November,2009.

108- Saqur,I.M.;AL-Thwani,A.N. and AL-Aobiade,R (2009) Detection of *Vibrio cholera* in water and its molecular comparison with *V.cholera* isolated from patients. Proceeding of the 13th.International Conference on Emerging Infectious diseases.Kalkota.India 6-9 April 2009

109-AL-Thwani,A.N.,AL-Khafagi,K. and AL-Saqur,I.M. (2009) Using PCR analysis for detection cholera toxin gen of clinical and environmental isolate. Proceeding of the 13th.International Conference on Emerging Infectious diseases.Kalkota.India 6-9 .April 2009

110-AL-Thwani, A. N. and Al-Khafaji K.A. (2010).Identification and Purification of Cholerae Like Toxin from Environmental Isolate of *Vibrio cholerae*. Baghdad Science Journal vol.7(1) 415-423

111- AL-Thwani, A. N. , Yosif, W. H. and Hasan, S. S. (2010).Detection of BRCA1 and BRCA2 mutation for breast Cancer in Sample of Iraqi Women above 40 Years. Baghdad Science Journal vol.7 (1):394-400 .

112- Al-Thwani,A.N.,Sulman ,S. and Hadi,S.(2010)The effect of aqueous and alcoholic extract of ,Koreful ,*Nigella sativa* and Cat eyes in the growth of some pathological agents .Proceeding of the Second Scientific

**Conference of Science College ,AL-Kufa Unversity,AL-Najaff AL-Ashraf
11-12\3\2009**

113- AL-Thwani, A. N. , Nader M.I., Abdul Hassan I.A.(2010). Effect of *Nigella sativa* (Black seed) *Savadora persica* (Siwak) and Aluminu potassium sulphate (Alum) A aqueous Extracts on Isolated Bacteria from teeth root Canal. Iraqi J. Biotech. Vol(9)(1):99-104.

114- AL-Thwani, A. N. , Al-Yas M. Ch., Hassan R. A.(2010).The Evaluation of Antitumor Activity of S-Layer Proteins in Comparison With cell free Filtrate of *Lactobacillus spp.* In vitro.International Journal for Sciences and Technology Vol(5)(1):20-35.

115-Mohammed ,B.;Abdulhusean ,R and AL-Thwani,A.N.(2010) The inhibitory effects of lactobacillus isolated from yuokert as probiotic to prevent the growth of *Candida albicans* invivio and invetro.Iraqi J of Biotechnology.9(2):167-179

.179-167:(2)العدد

116-Alneame,A.;Althwani,A.N. and AL-Jobori,S.S. (2010).Study the pathological and physiological effect of crude polysaccharide on the local strain of *Brucella abortus* in rats. .Iraqi J of Biotechnology .9(3):321-336

117-Al-thwani,A.N . and AL-Obiade ,R.(2010)Comparative study of *Vibrio cholera* isolated from patients and the isolate from surface water using Pulse jel Electrophoresis. Iraqi J of Biotechnology.9(4):838-848

118-AL-Thwani,A.N.;AL-Maeni,S. and Take,R.(2010) Quantitative and Qualitative detection of *Trigonella foenum graecum* and its effects on some microorganism. Iraqi J. of Biotechnology.9(3):385-396.

119- Al-Thwani, A. N.,Nadir, M.I. and Al-Okadi ,H.N.(2010).Estimation the serum concentration of interlukine 2 receptors in patients with Rheumatoid arthritis .Iraqi J. Biotech. 9(2)144-149.

120-Al-Thwani, A. N.,Yosif, W.H. and Najim ,H.F.(2010).Detection BRCA1 and BRCA2 mutation in sample of Iraqi breast cancer women below 40

years old Proceeding of the 2nd Scientific Conference of Biotech. Research Center/Nahrain University.

121-Al-Thwani,A.N.,Maama ,A. and Abdulwahab,S.(2010) Reduction of aflatoxin by local strain of bacteria .Proceeding of 10th Scientific Conference of College of Veterinary Science –Baghdad University

122-Al-Saqr,I.M. and Al-Thwani,A.N.(2010) Research Units and Centers. Present and Expectation. First National Conference for Improvement of Higher Education and Scientific Reserch. University of Baghdad.28\2\2010

123-Fadil,A.;AL-Thwani,A.N. ,et al (2010)Detection of genetic alteration in Iraqi Buffalo using PCR-RELP. Proceeding of the 1st National Conference for development and improvement of Buffalao.Baghdad 22\12\2010

124- AL-Thwani, A. N. and Al-Khafaji K.A. (2011).A comparative study among clinical and environmental isolates of *Vibrio cholera* at molecular level. 2nd conference of Biotech. Research Center/Nahrain University. Journal of Biotechnology Research Center,,5 (2):122

125-AL-Thwani,A.N.;Abdulmalik,R . and Faris,A.(2011)Evaluation of surface protein and sediments of lactobacilli against some pathogenic microorganism invivo. Proceeding of The 7th.Scintific Conference of College of Science-AL-Mustenseria University 4-5 May.2010.

126-Al-Thwani,A.N.;Sajet,S. and Alnneami,A.(2011).using two different techniques for isolation of *Brucella* and its biotype and some virulent factors. Proceeding of The 7th.Scintific Conference of College of Science-AL-Mustenseria University 4-5 May.2011

127-AL-Thwani,A.N.;ALokade,H. and Khder,M (2011) .Detection of some cytokines in Rheumatoid arthritis patients. Proceeding of the 12th.Scientific Conference of Technical Foundation .Aprill2011

.128-Al-Thwani,A.N. and Alkafagi,K.(2011) Diagnosis the difference in the production of virulence factors of *Vibrio cholera* .J of the Biotechnology Center5(1):

129- Al-Thwani,A.N,Ali,M and Alaaldeen ,M .(2011) The molecular diagnosis of chronic leukemia using PCR and evaluation different treatment response. J of the Biotechnology Center5(1):

130-AL-Thwani,A.N. and Alneame,H.(2011).Evaluation of some plants extracts on normal cells and Cancer line of rats mammary glands AMN3.

Proceeding of the 1st Symposium of Herbs and Plant Production.29-31\3\2011.

131- AL-Thwani, A. N. and Nagim, M.A (2011).The Importance of CA15-3 In the Fellow up of Metastatic Invasive Ductile Carcinoma Iraqi Women. Iraqi J. of Cancer and Medical Genetics .4(1):7-10.

132- AL-Thwani, A. N. and Nagim, M.A (2011).The Role of Interleukin 10 in Women with Metastatic Invasive Ductile Carcinoma J. of the Faculty of Medicine .Vol(53)No.(3):289-292.

133-AL-Thwani, A. N.(2011) Food and Water borne illnesses.10th ed. Iraq science and Technology Today,22-11-July

134- AL-Thwani, A. N., Abdul Sahib M. A.,AL-Qasim A. M. (2011).Molecular Diagnosis of Chronic Myeloid Leukemia & Monitoring Response to different types of treatment. Journal of Biotech. Research Center Vol(5)(1):74-81.

135-AL-Juobori,S.;AL-Thwani,A.N. and AL-Neame,A.(2011) Different techniques for isolation of *Brucella* and fixed their Biotype and some of its virulence.AL-Mostanseria Science J

136-Raghad ,A.Hassan,Amina N.AL-Thwani ,Faris A.AL-Ubaidi and Maysaa,Ch.AL-Yas (2011) Study the Anti-Adhesion Ability of S-layer proteins and filtrate of *Lactobacillus* spp against some pathogenic microorganisms in Vitro.AL-MustanseriaJ Sci Vol 22(5) 24-40.

137-Hanaa N.Abdulla;Amina N.AL-Thwani, Mohamed I. Nader and Khudhair AL-Badri (2012).Diagnostic value of Anti-CCP antibodies compared with Rheumatoid factor in Rheumatoid patients.J.of University of Anbar for pure Science:Vol.6(3).1-6.

-141 Ihsan,M.AL-Saqur ,Amina N.AL-Thwani and Ashwaq B. AL-Hashimy (2012).Detection of *Salmonella* spp by traditional and Molecular methods from tap water in Baghdad city.Eurpean J.of Scientific Research.Vol.90 No.2012,pp5-13

142-Ihsan,M.AL-Saqur,Amina N.AL-Thwani and Ashwaq,B.Jassim (2012).Molecular methods for detection pathogens virulence factors in drinking water in some parts of Baghdad city. Proceeding of the Third International Scientific Conference of College of Vet .Medicine-Basra University. Basra January ,2012.

143- AL-Thwani,A.N.;Kamel,L.A. and AL-Janabi,M.(2012). Prevalence of Anti-thyroid Peroxidase, and Anti-thymoglobulin in sample of Iraqi Patients with Thyroid Disorders. Proceeding of the Second Scientific Conference for Pure Science-University of Anbar.AL-Anbar.2012.

144- AL-Saqur,I.M.;AL-Thwani,A.N. and AL-Shamare,B.F. (2012).Detection of *Toxoplama gondii* specific antibodies in recurrent

aborted women. Proceeding of the fifth Scientific Conf. of College of Veterinary Medicine, AL-Kadesia University. AL-Kadesia .2012.

145-AL-Saqur, Ihsan, M.; AL-Thwani, A.N. and Jassim, A.B. (2012) Molecular methods for detection pathogens virulence factors in drinking water samples in some parts of Baghdad city. Proceeding of the 3rd. International Scientific Conference, College of Veterinary Medicine. University of Basra-Iraq. Basra Journal of Veterinary Research, Vol.11(4) 41-51

146-AL-Thwani, A.: AL-Saqur, I and Jassim, A. (2012) Incidence of non-O1 *V.cholera* in drinking waters in some region of Baghdad city and detection their pathogenicity in animal module. Proceeding of the First National Conference of women. Natural Science. 12-13/December, 2012

147-

148-AL-Thwani, A.N.; Kamel, L.A. and AL-Janabi, M. (2012). Serological Evidence of Thyroid disorders in Decommission workers at al- Tuwaitha site/Baghdad. Proceeding of the 1st Scientific Conference for Women. College of Science for Women –Baghdad University

149-Sajet, R.; Htaiat, W.; Al-Thwani, A.N. and Bassim, A. (2012) Isolation of *Vibrio cholerae* from Tigris water and the diagnosis by modern methods and its ability for hemolysis production. Proceeding of the 8th. Scientific Conference of College of Pure Science –AL-Mustansiriyah University. 2012.

150-AL-Thwani, A.: AL-Saqur, I and Jassim, A. (2012) Incidence of non-O1 *V.cholera* in drinking waters in some region of Baghdad city and detection their pathogenicity in animal module. Proceeding of the First National Conference of Women. Natural Science. Baghdad, 12-13/December, 2012.

-Abdullah,H.N and AL-Thwani,A.N.(2012) Association of celiac disease with HLA-DRBI and HLA – DOBI alleles in a sample of Iraqi patients.Iraqi Journal Biotechnology.11(2) 529-536.

-138-Amina N.AL-Thwani,Ihsan,M.AL-Saqur and Balqess F.AL-Shamere (2013).Detection of *Toxoplasma gondii* by polymerase chain Reaction in Recurrent abortion.Int.J. of Current ReserchVol.5 (02)pp 121-123.

139-Ruqaya M.Ali,AminaN,AL-Thwani,Ahmed A. Mankhi and Genan K.(2013).Diagnosis of Pulmonary and Extra pulmonary Tuberculosis in the Institute of Chest and Respiratory Diseases in Baghdad \Iraq.International J of Current Research.Vol.5,(03)501-504

140-Amina N.AL-Thwani and Ruqia A.(2013)Rapid diagnosis of multidrug resistance –tuberculosis (MDR-TB) using molecular line probe assay.Accepted for publication in AL-Nahren Med.J.

-

151-AL-Thwani,A.N.;Kamel,L.A. and AL-Janabi,M.(2013).HLA-DQB1*03 Association with thyroid disorders in low- radiation exposed Iraqi Decommission workers. Proceeding of the 2nd Scientific Conference For women College of Science for Women, Baghdad University.Baghdad.2013.

152-AL-Ruobiae,A. ;ALwan,M. and AL-Thwani,A.N.(2013) Bovine TB:Diagnosis of Bovine tuberculosis in milk samples using PCR.Iraqi J of Veterinary Medicine .37(2).

154-Amina N.AL-Thwani Dr Rabab A_Sqaar and Issma A.AL-Kaisse (2013).“Molecular Identification of ESBL Genes *bla*OXA-10 ,*bla*VEB-1and *bla*OXA-4 in *Pseudomonas aeruginosa* Strains Isolated from Burn’s

- Patients by PCR” Journal of Medical Sciences and Health Care. 1 (8).Publication Letter Vol 1, Issue-8 www.ijmshc.com QS Publications
- 155-AL-Thwani,SA.N. and EL-Baghdady,A.I.(2013) Analysis of genetic diversity among samples of Iraqi rheumatoid arthritis patients through random amplified polymorphism (RAPD) technology. International Journal of Biotechnology and Biochemistry.9(3):285-291.
- 156-AL-Thwani, A.N. and EL-Baghdady,A.I.(2013) .Demographic study on rheumatoid arthritis (RA) in Babylon –Iraq. International Journal of Science and Technology.8(3) 32-39.
- 157-AL-Thwani,SA.N. and EL-Baghdady,A.I.(2013) .Studying the effect of genetic diversity in samples of Iraqi arthritis patients on response to drug treatment using RAPD / PCR technology.3(6) 340-350.
- 158-Shaker,A.A.,AL-Thwani,A.and AL-Sagar,R.(2013)Detection of B-lactum in *Pseudomonas aeruginosa* isolates in some hospitals in Baghdad governorate by using multiplex PCR. Proceeding of the 5th. International Conference . Science ,Babylon University 1-8.
- 159-Abd Oun ,MA; AL-Thwani,AN.Khudaier SH, and Kamel LA.(2013)Thyroid Examination in Low-Radiation Expose Iraqi Clean –up Workers-immunogentic Study. Journal of US-China Medical Science, Vol 10,NO.3-4(Serial NO. 91)PP.85-92,ISSN 1548-6648,USA.Impact Factor 3
- 160-AL-Thwani,A.N. and Ali,S.F.(2013) .Detection of *Helicobacter pylori* in saliva and biopsy specimens of some Iraqi patients using PCR technique. International Journal of Advanced Biological Reserch.3(4)593-598.
- 161- AL-Thwani,A.N.;AL-Saqr,I.M. and Bassim,A.(2014).Detection of some bacterial contamination using PCR technique. Accepted for publication in Journal of Engineering and Biotechnology. No MBB \345 in 23\3\2014.
- 162- Ali RM; Trovat A; Covin D; AL-Thwani, AN ;Borroni E;Dhaer FH; Rastogi N; and Cirillo DM (2014) Molecular Epidemiology and Genotyping

of Mycobacterium tuberculosis Isolated in Baghdad. Biomed Research International .Volume 2014 92014)Article ID 580981.15 pages.

163-AL-Thwani,A.N.;Abdul-Wahid,S.SH and Jawad ,S.Q. (2014) level of stimulating hormone concentration in a sample of hyperactive versus pro-social school in Iraqi city. International Journal of pure & Applied Bioscience.2(3):118-123.

164-Jawad ,S.Q. ;AL-Thwani,A.N. and Abdul-Wahid,S.SH (2014) . Study of testosterone level in a cohort of hyperactive school children with pro-school traits in Iraqi province. World Journal of Pharmaceutical Research .3(6):1137-1145.

165-AL-Thwani,A.N.;Farhan,Y.I. and Fakhry,S.(2014).Detection of rice *SPS* gene by simplex PCR method. Iraqi J Agric.Res.19(6) :202-207.

166-Amina N. Al- Thwani and Nancy F. Rashid (2015) Estrogen and progesterone levels in the blood samples of breast cancer Iraqi patients and its relation to breast cancer risk. International Journal for Sciences and Technology / ICV: 4.32 - SJIF: 3.735 Vol. 10, No.1, 43-47.

167-Amina N. Al- Thwani and Sabeeha A.H. Mussa (2015) . The role of humoral and cellular (CD4 and CD8) immunity against toxoplasmosis in abortive women . International Journal for Sciences and Technology / ICV: 4.32 - SJIF: 3.735 Vol. 10, No.1, 74-

168- Khalid ,R.AL-Awady,; Amina N. AL-Thwani ;Saleh,K.Majeed; ;Ahmed,A.Nasir AL-Amairy and W.A.AL-Kubaisy (2015) .Detection of CD4 ,CD8 markers on lymphocyte in some Iraqi patients with HIV \ HCV coinfection.Journal of Academic Research for Multidisiplinary .Impact Factor 1.625, ISSN: 2320-5083, Volume 2, Issue 12.

169-AL-Kaisse,A.A.;AL-Thwani,A.N. and AL-Segar,R.(2015) .Molecular detection of ESBL (*bla* OXA-10) gene in *Pseudomonas aeruginosa* from burns units in some hospitals of Baghdad city. Proceeding of the 3rd.International Conference of Genetic and Environment ,584-592.Baghdad.,April,14-15.

170-Ali,R.M.;AL-Thwani,A.N.;Cirillo,D.M.;Borroni,E and Mankhi,A.A.(2015).Molecular characterization of multi drug resistance tuberculosis isolated from Baghdad,Iraq.Proceeding of the 1st.African Asian Congress of Mycobacterium. Isfahan ,Iran.March,2015

171-Al-Thwani,A.N.;AL-Saqur,I.M. and AL-Attar,I.N.(2015).Comparative study between routine and molecular diagnosis of *Mycobacterium* species isolated from human and bovine. Proceeding of the 1st.African Asian Congress of Mycobacterium. Isfahan ,Iran.March,2015.

172-Al-Biate,S. and AL-Thwani,A.N.(2015). PCR Based Molecular Detection of *Brucella* Organisms in Soft Local Manufacture Cheese versus American Society :Microbiology general Meeting.USA.30thMay. Standard. for Microbiology 115 general Meeting -2ed.June.2015

173-Al-Thwani,A.N.;AL-Saqur ,I.M. and Jassim,A.B. (2015) Incidence of *Aeromonas* in water supply to some parts of Baghdad and diagnose its pathology in laboratory mice. Proceeding of 16th.Conference of College of Basic Education. Al-Mustanseria University. Baghdad.

174-AL-Hashmi,A.;AL-Thwani and AL-Saqur (2015).Detection of *Aeromonas spp.*by traditional and molecular methods from tap water in Baghdad city..Proceeding of the 6th.International Conference of Ecological Science.115-15-16.December 2015.Babylon.

175-AL-Thwani,A.Namma (2016) .Epidemiology of cholera in Iraq.18th. International Conference on Emerging Diseases (EID) in the Pacific Rim: Emerging Research Technologies and Innovations-Looking Forward and tacking Lessons Learned to New Frontiers..January 11-12.Marriott North Bethesda..MD.USA.

176-Amina N.AL-Thwani and Zainab F.Shebram (2016).Molecular and Demographic study about Type 1 diabetes mellitus and associated with HLA typing Class 11 sample of Iraqi children. Proceeding of the 3rd.International Conference of Technical Foundation.Baghdad.2016.

177-Noori,N.;AL-Thwani,A.Namma and Mawla,K.(2016).Comparing the effect of modification in NNN culture medium for *Leishmania* species using different mammals.(2016).Proceeding of the 5th.International Scientific Conference .College of Veterinary Medicine.Basra,November.2016.Basra Veterinary Journal,15(3).65-73.

178-AL-Korashi,J. and AL-Thwani,A.N.(2016)Detection of similarity and difference between uropathogenic isolated from urinary tract and bladder cancer patients..3rd.Scientific Conference of .AL-Kindi Medical College..Baghdad .2-3 April .2016.

179-AL-Thwani ,A.N. and Hosham,A.(2016)Detection breast cancer using some serum biomarkers and tissue mammaglobin A. Proceeding of the 4th.International Scientific Conference of Genetic and Enviroment.Cairo,Egypt.23-30th.2016.

180- Mahdi,A.S.;Alnajjar,A.R.,AL-Thwani,A. and Al-Qaser,A.(2016).The role of specific IgE antibodies for *Aspergillus fumigates* allargens in patients with sever asthma. International Journal of Advanced biological Research.6(2)236-238.

181- Mahdi,A.S.;Alnajjar,A.R.,AL-Thwani,A. and Al-Qaser,A.(2016).The prevalence of pneumococci in patients with asthma :conventional and molecular diagnosis. International Journal of Science and Technology.11(2).26-29.

182-AL-Kadhmi,N.A.;ALThwani,A.N.;AL-turk,W.A. and ALtaif,K.I.(2016).Studies on Multidrug Resistance to *Pseudomonas aeruginosa* isolated from Infected Wound. International Current Microbiological Applied Science.5(5).1-8.

183-Momammed,B.J.;AL-Thwani,A.N.and Kannan,R.(2016).Investigate the joint effect of tobacco and alteration of TNF-a CB8,MAD and GSH levels in blood of Iraqi amokers.New York Science Journal.9(7).11-16.

184-Othman,L.A.;AL-Thwani,A.N. and Alkhazraji,A.J.(2016).Growth hormone gene in Iraqi and Turkish Awasi sheep using PCR-RFLP.World Journal of Pharmaceutical Research .5(1).

185-AL-Thwani,A.N. and Suliman,M.A.(2016).Investigate the association between mammaglobin-A protein in blood and some demographic factors in a sample of Iraqi women with breast cancer.3rd.Scientific feminist Scientific Conference. College of Science for Women-Baghdad Unversity.7th.-8th.December.Baghdad.2016.

186-Momammed,B.J.;AL-Thwani,A.N.and Kannan,R (2016).Demographic and genetic study for a sample of Iraqi markers. Cancer Biology.6(4):16-26.