



Raad Abdulghany Basheer Al-Sanjary

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College of Veterinary Medicine

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CURRICULUM VITAE

21 /05 /1961



Personal Information

- **Name :** Raad Abdulghany Basheer Al-Sanjary
- **Date of birth:** 21 / 5 / 1961
- **Place of birth:** Mosul
- **Sex:** male
- **Nationality:** Iraqi
- **Marital status:** Married
- **No. of children:** Five

Academic Information

- **Address:** Department of veterinary Public Health, College of Veterinary Medicine, University of Mosul, Mosul, Iraq.
- **Specialty (General/ Major):** Veterinary Medicine/ Veterinary Public health
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- **Google Scholar:** https://scholar.google.com/citations?hl=en&user=tJ9zPJ5AAAAJ&view_op=
- **H-index:** 1

Other Information

Academic positions:

- 1- **2010-Present** - Professor (Meat Hygiene , Food Microbiology , Molecular Biotechnology), Department of Veterinary Public Health - College of Veterinary Medicine – University of Mosul, Mosul - Iraq.
- 2- **2000 - 2010** - Assistant Professor (Meat Hygiene and Food Microbiology) Department of Veterinary Public Health - College of Veterinary Medicine - Mosul University, Mosul - Iraq.
- 3- **1997 - 2000** Lecturer (Meat Hygiene and Food Microbiology) Department of Veterinary Public Health - College of Veterinary Medicine - Mosul University, Mosul – Iraq.
- 4- **1991 - 1997** Assistant Lecturer (Meat Hygiene) Department of Veterinary Public Health - College of Veterinary Medicine - Mosul University, Mosul - Iraq.

- 5- **1988 - 1991** Research assistant and teaching the practical part of the meat hygiene course in the Department of Veterinary Public Health - College of Veterinary Medicine University of Mosul, Mosul - Iraq.
- 6- **1985 - 1987** Teaching Assistant and I participate in teaching the practical part of the subjects taught in the Department of Veterinary Public Health - College of Veterinary Medicine - University of Mosul, Mosul - Iraq.

Professional positions:

- **1993-1995** , Registrar of the College of Veterinary Medicine, University of Mosul, Mosul, Iraq
- **1998-1999** , Coordinator for the Department of Veterinary Public Health
- **2001-2003** , Head of the department of Veterinary Public Health
- **2006-2007** , Head of the department of Veterinary Public Health
- **2010-2012** , Vice-Chairman of the Examination Committee
- **2012-2013** , Chairman of the examination committee .
- **2017-present** , Chairman of the Committee of Public Health Experts in the Faculties of Veterinary Medicine / Ministry of Higher Education and Scientific Research
- **2018-present** , Member of the Academic Accreditation Council for Faculties of Veterinary Medicine Ministerial
- **2019-present** , Member of the Editorial Board of the Iraqi Journal of Veterinary Sciences
- **2019-present** , Member of the Subcommittee of the High Committee for the Development and Modernization of Governmental Curricula for Faculties of Veterinary Medicine in Iraq.
- **2020-present**. Assistant Dean for Scientific Affairs, College of Veterinary Medicine, University of Mosul.

Training courses attended

- 1 - Course in modern methods of controlling medicinal insects Baghdad / Council of Scientific Research - Center for Life Sciences Research 2-7 May 1987.
- 2- Environmental pollution course and its impact on animal and human health Baghdad University - College of Veterinary Medicine – Dept. of Public Health 11-16 / 3/1989.
- 3- Course on developing fish farming and optimal utilization of water bodies Baghdad – Federation of Arab Scientific Research Councils - General Secretariat 23-26 / 12/1991.
- 4 -Training course in Molecular Biological Technologies, Dohuk, University of Dohuk, College of Education, 23-28 / 7/2005.
- 5 -Workshop - The First Conference of the Iraqi . Veterinarians Syndicate - Union of Veterinarians – Erbil 24-25 / 11/2008.
- 6- Technical Course on Avian Flu (Workshop) - Central Laboratory - Erbil, 24-27 / 1/2009.
- 7- Course on food security in cooperation with FAO (workshop), Ministry of Agriculture - Baghdad 27-29 / 9/2009.

- 8 - Training course in DNA applications in identifying missing persons, Mosul University - College of Science – Department of biology 9-13 / 1/2011.
- 9- Guidance Seminar on Scientific and Practical Uses of Beneficial Microbiology (EM), Nineveh Governorate Agriculture Authority, in Collaboration with the College of Vet. Med. – Uni. of Mosul, in the Bartella Region (Al-Hamdaniya, 4 – 23 - 2012).
- 10- Polymerase Chain reaction in medical laboratories between reality and ambition, Ministry of Health – Nineveh Health Department - Laboratory Unit in cooperation with the University of Mosul 12/20/2012.
- 11- Training course (workshop) in the basics of polymerase chain reaction technology (PCR), University of Mosul - College of Veterinary Medicine – department of Veterinary Public Health 6-8 / 5/2013.
- 12- Training course (workshop) in the basics of polymerase chain reaction technology (PCR), University of Mosul - College of Veterinary Medicine - department of Veterinary Public Health 11-13 / 12/2018.
- 13 -Courses in Veterinary Facilities Management, Mosul University, College of Veterinary Medicine, department of Veterinary Public Health , 14-15 / 1/2019.
- 14 -Scientific symposiums entitled: Different methods for distinguishing animal meat and Detection of adulteration , University of Mosul ,College of Veterinary Medicine ,Department of Veterinary Public Health 3/27/2019 .
- 15 -The first international workshop on biological technologies, past, present and future, University of knowledge - Kurdistan Region - Erbil - Iraq 27-28 / 8/2019 .
- 16- Training course (workshop) in the basics and applications of polymerase chain reaction technology (PCR), University of Mosul ,College of Veterinary Medicine , department of Veterinary Public Health 21-23 / 10/2019 .

Research interests :

- 1- Food microbiology
- 2- Molecular biotechnology
- 3- Meat hygiene

Membership in professional organization:

- 1-Member of the Veterinary Syndicate.
- 2- Member of the teachers union in Nineveh governorat

Scientific Activities

Teaching activities:

- 1-Veterinary public health for undergraduate studies - the fifth stage
- 2-Meat Hygiene , Advanced For Postgraduate Studies - Diploma and Master
- 3-Animal Hygiene , Advanced Postgraduate - Diploma and Master
- 4-Food Microbiology, Advanced Graduate Studies - Diploma and Master

Supervision of postgraduate studies :

- 1- Master supervision - contamination of butchery and pasteurized shops with salmonella Spores in Mosul, Mosul University, College of Veterinary Medicine 2003
- 2-Master Supervision - Distinguishing between raw milk from different animals using Polymerase chain reaction (PCR) technique, University of Mosul - College of Veterinary Medicine 2007
- 3 -Master's Supervision - Using Species –specific Polymerase chain reaction to distinguish the not suitable animal meat for Human Consumption, Mosul University, College of Veterinary Medicine, 2008.
- 4 -Supervising a diploma - bloody and qualitative changes to animal slaughtered in the Mosul abattoir , University of Mosul - College of Veterinary Medicine 2009.
- 5 -Diploma Supervision - The Impact of Transport Stress on the Quality of Broiler Poultry Meat University of Mosul - College of Veterinary Medicine 2010.
- 6 -Diploma Supervision - Application Polymerase chain reaction Technology to Determine Genetic Similarity in Some Local Layer Hens in Nineveh Governorate .University of Mosul - College of Veterinary Medicine 2013 .
- 7- Doctorat supervision . Molecular characterization of diarrheagenic *Escherichia coli* isolated from meat and meat products in Mosul city .2020.

Postgraduate Examination Committees

PhD. Examamination Committees :

- 1- Najim A. Y. Isolation and Identification of *Campylobacter jejuni* using classical and molecular methods. Duhok Uni. ,College of Education ,Dept. of Biology PhD. 2008.
- 2- Farida F.A. Nerweyi –Detection of β – Thalassemia mutations by amplification refractory Mutation system and reverse hybridization in Duhok governorate (Iraq). Duhok University ,College of Education ,Dept. of Biology -PhD. 2008.
- 3- Yousif M . saleh Al-Barazenji .A study of some economical traits with breeding value in Hammdani sheep using molecular genetics techniques. University of Salahaddin ,Erbil ,College of Agriculture – PhD, 2009.
- 4- Ahmed Basheer M. Genetic diversity in some Iraq sheep breeds using molecular techniques . Duhok University ,College of Education ,Dept. of Biology - PhD. 2009.
- 5- Dereen O.Muhammed Ramzi. Effect of vit E and parsly seeds administration at different ratios of concentrate dite on productivity ,physiological and reproductivity traits of male Karadi lambs , University of Sulaimani ,college of Veterinary Medicine ,PhD ,2010.
- 6- Kattan Saber Ali . Molecular and immunological study of Human papilloma virus infections among patiets with diffent cervical lesions in Kurdistan Region ,Iraq,2010. Hawler Medical University ,Medicine college ,PhD ,2010.
- 7-Kallawes Aubead Authman. B-Globin Haplotype Analysis in Sicle cell anemia by Restriction Fragment Length Polymorphism (RFLP) in Duhok Province /Iraq University of Duhok , College of Education, PhD ,2010.
- 8-Zaid Kalaf Khuder . Comparative Quality Assessment of Five local fresh fish in Sulaimani City Markets . Sulaimani University , College of Veterinary Medicine ,PhD 2011.
- 9-Hazaw Omer Mohammed . Assessment of the quality of imported frozen chicken in Sulaimani Markets . Sulaimani University , College of Veterinary Medicine ,PhD 2012.
- 10-Kanat Mahmood Salama .The study of pathogenic and genetic polymorphism of isolated bacteria from

- diabetic patients in Salah al-din province . University of Tikrit , College of education / Dept. of biology .PhD. 2013 .
- 11-Entisar Ghanim al-sumiadaai . The use molecular diagnosis for strains of Giardia lamblia and the species of genus Entamoeba which infected people in the Salah al-din province. University of Tikrit , College of education / Dept. of biology . PhD .2013 .
 - 12-Kuestan Ali Amin . A study of some quantitative and molecular characteristic of local turkey meleangris gallopavo in Kurdistan . Sulaimani University , Faculty of Agriculture science ,PhD 2013.
 - 13-Narmeen Saeed Merza. Clonal grouping of uropathogenic Escherichia coli in Kurdistan region – Iraq using different molecular typing methods. University of Zakho , Faculty of Science , PhD 2013.
 - 14-Najat Abdul-Kader Zaman . Viral, Bacterial, Parasitic Enteric Pathogens Associated with Acute Diarrhea in Hospitalized Children Less than Five Years of Age in Kirkuk City . University of Tikrit , College of Medicine ,PhD 2013.
 - 15-Mohammed Abdulilah Al-Shakarchi . Isolation and Identification of Rhizobial Bacteria from Root Nodules of some Leguminous Plants and Characterization of Their Plasmides DNA Content . University of Mosul , College of Education , PhD ,2013.
 - 16- Balqees Yahya Najim Soofy . Diagnostic and Molecular Genetic study for Yeast of Genus Saccharomyces Isolated From Different sources In mosul City . College of Education , PhD ,2013.
 - 17-Aws Ibrahim Sulaiman Nadir Al-Nuaimi . Phenotypic and Genotypic Identified for Detection the Clinical Isolates of *Staphylococcus* spp. from Al-Salam General Teaching Hospital in Mosul City . University of Mosul , College of Science, PhD, 2014.
 - 18- Kazal .M Suliaman . Genetic variation and long term effects of chemical exposure on the Halabja population in Kurdistan region –Iraq . University of Salahaddin ,Erbil ,College of education ,PhD, 2013.
 - 19- Sazan Mohammed Kader Molecular Diagnosis of Herpes simplex virus type-2 and use of the viral UL43 , UL35 and ICP22 proteins as a candidate for Vaccine development University of Salahaddin ,Erbil ,College of Education , PhD, 2014.
 - 20- Hemin Esmael Othman . Molecular Identification , Multilocus Sequence Typing (MLST) and Phylogenetic Analysis of Pseudomonas aeruginosa Isolates from Kurdistan Region – Iraq. College of Science – Duhok ,University PhD, 2017 .
 - 21- Tuka Muayad Bakir Al-Sawaf . Immunohistological study of CD8+ cell and CTLA-4 Inhibitor and receptors for breast cancer patients .College of Science /Biology – University of Mosul . Ph, 2017 .
 - 22- Enas AbdulMunem H Al-Layla . Molecular detection of causative agent of rhinosinusitis in Mosul city . College of science / Biology / Microbiology- University of Mosul PhD , 2017 .
 - 23- Shahbaa khalil Ebraheem. Pathological effects of zinc oxide (Nano and Bulk) and evaluating of copper sulfate on them in common carp . College of Veterinary Medicine /Pathology ,University of Mosul PhD , 2018.
 - 24- Mukhlis Hamad Aali. *In vitro* antimicrobial and cytotoxic activity of *Fritillaria zagrica* and *Tulipa kurdica* crude plants extracts against breast cancer cell lines . College of Science / Biology , University of Salahaddine- Erbil,PhD,2018 .
 - 25- Mohammed Abdulmehsin Salih . Epidemiological and Molecular study for Salmonella and Escherichia coli as a causative for diarrhea in newly cow calf in Nineveh Province . College of Veterinary Medicine / Dept. of Vet. Internal and preventive ,University of Mosul PhD , 2019.
 - 26- Nebal Sami Mechael hanna .Microbiologic and molecular characterization of *bla* TEM ,*bla* SHV and *bla* CTX- M producing Uropathogenic *Escherichia coli* in duhok city .University of Duhok ,College of Medicine .PhD,2019.
 - 27- Zanan Mohammed Amin Taha .Molecular characterization of some antibiotic resistant diarrheagenic *Escherichia coli* isolated from food and animal products . University of Duhok ,College of Veterinary Medicine .PhD,2019.
 - 28- Karwan Mohamad Hama Khan .Prolactin and Milk genes polymorphism and their association with economic traits in Kardi ewes .College of Agriculture engineering science , Sulaimani University , PhD , 2019.
 - 29- Sherzad Ibrahim Mustafa Amedi. Chemopreventive potential of Quercus infectoria galls extract against DMBA induced skin papillomagenesis in mice , University of Duhok ,College of Veterinary Medicine . PhD,2020.

- 30- Halima Hassan Mohammed. Phenotypic and Molecular characterization of carbapenem resistant Klebsiella Pneumonia in Dohuk province . University of Duhok ,College of Medicine .PhD,2020.
- 31- Abdul-Sattar Salim Sadoon. Diagnostic and Epidemiological study of Foot and mouth Disease in Cattle in Nineveh Province . College of Veterinary Medicine / Dept. of Vet. Internal and preventive ,University of Mosul PhD , 2020.

Master exam. Committees:

- 1- Hadeel A.M. Mustafa .Detection of brucellosis in sheep using PCR with other serological tests. University of Mosul- college of Vet. Med., Dept. of Vet. Internal and preventive Medicine .- MSc.2006.
- 2- Hiba S.A. Alnaemi .Estimation of Aflatoxin levels for some raw milk types and cheeses (local and imported) in Mosul City. University of Mosul- college of Vet. Med., Dept. of Vet. Public Health .MSc. -2007.
- 3- Rana A.F. Naom .Estimation of Aflatoxin residues for some ruminant and poultry (local and imported) livers in Mosul . University of Mosul- College of Vet. Med., Dept. of Vet. Public Health .MSc. -2007.
- 4- Adnan F.N. Alazawy. Diagnostic study of type 1 and type 2 diabetes mellitus using Molecular markers .University of Tikrit ,College of Science ,Dept. of Biology –MSc. 2008.
- 5- Hemin E. Othman .Molecular epidemiology and bacteriological identification of *Staphylococcus aureus* isolated from Koya , Erbil and Duhok Hospitals .Koya University ,College of Science ,Dept. of Biology- MSc. 2008.
- 6- Aymen Jaber Albanna. Extraction of enterotoxine for diagnostic strains of *Staphylococcus* from meats of some poultry houses and their workers.Mosul University ,College of Vet. Med. MSc., 2009.
- 7-Muhsen Jamel Abdulwahed . Detection of high risk human papilloma virus in a population at Duhok region using PCR –based technique .University of Duhok , College of Education – Zakho ,Master, 2010 .
- 8- Eaman H.F. Molecular characterization of *E. coli* strain isolated from UTI patient attending Azadi hospital in Duhok city . University of Zakho , Faculty of science , Master, 2012 .
- 9-Mohaned Hazim Khudier . Molecular and diagnostic study of isolated bacteria from feet of Diabetic patients . University of Mosul ,College of Education / biology . MSc. 2012.
- 10- Awfa Eiz-alain Aziz A-tae .Isolation and diagnosis of *Echerichia coli* O157:H7 from Beef and Poultry meat by using polymerase chain reaction technique. University of Mosul ,College of Vet Med. / Dept. of Vet public Health .MSc. 2012 .
- 11- Muqdad Kamal Ali.Genetic relatedness among Karadi, Hamdani, Jaff and Awassi sheep breeds in Sulaimani Governorate using RAPD-PCR technique. University of Sulaimani , Faculty of Agriculture science , MSc., 2013 .
- 12- Fairoze Hassan Abdulla .Molecular study of SHV 11 and SHV 12 of *Klebsiella pneumoniae* in Erbil city. Salahaddin University ,College of Science ,MSc . 2013.
- 13-Sakar Kamal Hama Salih. Detection of some food-born pathogens using polymerase chain reaction (PCR). University of Sulaimani , Faculty of Agriculture science , MSc., 2014 .
- 14-Suhair Emad Abdulrazaq . Detection of surface tension stimulants of environmental and pathogenic bacteria .University of Mosul , College of Science / biology . MSc. 2014.
- 15- Aso Abdulla Ameen . Molecular Polymorphism of Candidate Gene for Body Weights Traits in Awassi Sheep by PCR-RFLP Technique . College of Agriculture , salahaddin University . MSc, 2017.
- 16-Alaa Shamil Fakhry Al-Alaff . Hygienic evaluation of drinking water offered to poultry in some Fields of Nineveh governorate . College of Vet Med. Uni of Mosul Dept. of Vet Public Health , MSc 2017 .
- 17- Rand Bahdeen Jalal . detection of *Coxiella burnetii* among pregnant women and meat handlers in Duhok City using ELISA and PCR techniques . University of Duhok ,College of Science , MSc , 2019 .

Diploma exam. Committees:

- 1- Saif Abid Alelahh Saed Al- Obady . Leg weakness due to *Staphylococcus aureus* infection in Broiler chickens . University of Mosul- college of Vet. Med, Dept. of Pathology ,Diploma report ,2009.
2. Fadi Nazar Yakob. Evaluation of the efficiency of some disinfectants and antiseptics used in Boot disinfection in broiler barns . University of Mosul- College of Vet. Med., Dept. of Vet. Public Health . Diploma report ,2009.
- 3.Awis Hajim Alassaf. Detection of Staphylococcus aureus in local cheese during its preparation . University of Mosul- College of Vet. Med., Dept. of Vet. Public Health . Diploma report ,2011.
- 4.Rana Ahmad Mohammad .The hygienic condition of frozen imported poultry remarkable for retailing in Mosul city. University of Mosul- college of Vet. Med, Dept. of Vet. Public Health . Diploma report ,2011.

Conferences:

- 1 – The 1st Scientific Conference of the College of Veterinary Medicine /Uni. of Baghdad
College of Veterinary Medicine .31/3 to 1/4/1993 ,Paper presentation .
- 2- The 1st Scientific Conference of the College of Veterinary Medicine / Uni. Of Mosul
,College of Veterinary Medicine -.18-19/12/1995,Paper presentation .
- 3 - The 5th Professional Scientific Conference of the syndicate of Veterinarians, Baghdad
– syndicate of Veterinarians, 14-16 / 11/1996 . paper presentation.
- 4 - The 6th Professional Scientific Conference of the syndicate of Veterinarians, Baghdad
26-28 /10/ 1997 paper presentation .
- 1- The 2nd Scientific Conference of the College of Veterinary Medicine / University
of Mosul College of Veterinary Medicine . 28-29 / 11/ 1998 Paper presentation .
- 6 -The 7th professional scientific conference for the Veterinary Syndicate, Baghdad - the Veterinary
Syndicate, 10-12 / 11/1999.
- 7 -The 9th Professional Scientific Conference of the Veterinary Syndicate Baghdad .
14-16 / 11/2000 - Paper presentation .
- 8-The 1st Scientific Conference of the College of Veterinary Medicine / University of
Diwaniyah College of Veterinary Medicine ,20-21 / 11/2001
- 9 -The 3rd scientific conference of the College of Veterinary Medicine / University of Mosul
College of Veterinary Medicine 10-11 / 4/2002 . Paper presentation .
- 10 -The 11th scientific conference of the Faculty of Veterinary Medicine, Faculty of Veterinary
Medicine - Assiut University - Egypt 5-7 / 12/2004 . attending
- 11- The 1st Biological Scientific Conference in Kurdistan College of Education - University
of Duhok 2-4 / 5/2006 , Paper presentation.
- 12 -The 4th Scientific Conference of the College of Veterinary Medicine /University of
Mosul College of Veterinary Medicine - University of Mosul 20-21 / 9/2006 Paper presentation.
- 13 -The 12th Scientific Conference of the Faculty of Veterinary Medicine, Faculty of Veterinary
Medicine - Assiut University - Egypt 10 – 12/12/2006, Paper presentation.
- 2- The 3rd Scientific Conference for Nursing, College of Nursing, University of Mosul,

8-9 / 5/2007, Paper presentation.

- 15 -The 1st International Conference on Biosecurity and Preventive Medicine, College of Veterinary Medicine - Al-Baath University - Hama - Syria 22-24 / 4/2008 , Paper presentation .
- 3- The 2nd Biological Scientific Conference in Kurdistan College of Education - University of Duhok 6-8 / 5/2008 ,Paper presentation.
- 17- The 4th International Conference on Poultry Diseases, College of Veterinary Medicine – Al-Baath University - Hama - Syria 20-22 / 4/2009
- 4- The 5th Scientific Conference of the College of Veterinary Medicine / University of Mosul College of Veterinary Medicine - University of Mosul 11-12 / 11/2009 , Paper presentation .
- 5- The 3rd Biological Scientific Conference in Kurdistan College of Education - University of Duhok 4-6 / 5/2010
- 6- the 1st Scientific Conference for Life Sciences Kirkuk University – College of Science - Life Sciences 20-21 / 4/2011 Paper presentation.
- 7- The 4th Biological Scientific Conference in Kurdistan College of Education - University of Duhok 8-10 / 5/2012 Paper presentation.
- 22 -The 6th Scientific Conference of the College of Veterinary Medicine / University of Mosul College of Veterinary Medicine - University of Mosul 23-24 / 5/2012 Paper presentation.
- 23- Seminar of cat disease (Toxoplasma) and its role in miscarriage and congenital anomalies in humans and farm animals, College of Veterinary Medicine / University of Mosul 12/11/2012 , Paper presentation.
- 24-The 5th International Scientific Conference of the College of Veterinary Medicine / University of Basra College of Veterinary Medicine / University of Basra / 2012 , Paper presentation.
- 25-The 20th Scientific Symposium - Malta Fever and its Spread in Nineveh Governorate - College of Nursing 2012 College of Nursing / University of Mosul 2012 . Paper presentation.
- 26-The 1st International Conference of Agricultural Sciences College of Agricultural Sciences - University of Sulaymaniyah 20-21 November 2013 Participant - a special invitation .
- 27 -The 2nd International Conference for Agricultural Sciences, College of Agricultural Sciences - University of Sulaymaniyah, 4-5 April 2018, participant, a special invitation
- 28- The 1st Scientific Symposium on Avian Influenza and Modern Preparations in the Poultry Industry, College of Veterinary Medicine / University of Mosul, 23 / April / 2018 , Scientific session decider.
- 29-The 1st Scientific Conference of the Veterinary Hospital . The Veterinary Hospital / Nineveh Governorate 6/5/2018, Lecturer.
- 30 –The 6th International Scientific Conference of the College of Veterinary Medicine / University of Basra College of Veterinary Medicine /University of Basra 21-22 / 11/2018 . paper presentation .
- 31 -The 5th Scientific Conference of Ibn Al-Atheer Hospital for Children on Thalassemia, Ibn Al-Atheer Children’s Hospital - Engineers Syndicate Hall 12/20/2018 Participant - Special Invitation.

Scientific Publications:

1. Detection of lead, chromium and cobalt in meats of cattle and buffalo from markets of Mosul city. (accepted 16/12/2019)

2. Detection of *Mycobacterium paratuberculosis* in cow's milk using polymerase chain reaction (PCR) technique. 2020;34(1):83-86..
3. Application of RAPD-PCR Technique for Detection of Genetic Similarity in some local layer hens in Nineveh Governorate . Basrah Journal of Veterinary Research 2018 ;17(3) :11-20 .
4. Molecular Characterization of Iraqi Local Goat Breeds Using Random Amplified Polymorphic DNA Markers. Iranian Journal of Applied Animal Science 2016 ; 6(3) :44-51 .
5. Using polymerase chain reaction technique (PCR) for detection *Brucella melitensis* in aborted ewes' milk in Nineveh, Iraq . Assiut of Veterinary Medicine Journal 2014 ; 60(140) :62-69.
6. Direct Detection of *Mycobacterium tuberculosis* and *Mycobacterium bovis* in cattle raw milk by using Species- specific PCR technique .Assiut Vet. Med. J. 2013; 59 (136) :112-126
7. Using species-specific polymerase chain reaction technique for detection adulteration in raw mixture milk . 3rd International scientific conference. Coll. Vet. Med. ,Uni. of Basrah 2012 ; 11(4): 11-20 .
8. Hematological and quality changes of animal carcasses in Mosul abattoir .Basrah journal veterinary Research .2013 ; 12(1) :19-25.
9. Using species-specific PCR technique to detect *Toxoplasma gondii* in broiler chickens Iraqi Journal of Veterinary Sciences 2012 ;26(2):15-20.
10. Application of species-specific polymerase chain reaction technique depending on cytochrome b gene for beef authentication .Iraqi journal of Veterinary Science. 2012;26 (3):24-32
11. Using Species-specific Polymerase Chain Reaction technique in preparation specific marker to distinguish different types of meats1st scientific conference of biology, Coll. of Science , Uni. of Kirkuk 2011;5(2):4-12.
12. Incidence of *Clostridia perfringens* In Commercial Dried Milk .Journal of Albath University 2010;32(1):20-25.
13. Detection of *Toxoplasma gondii* in poultry slaughterhouse by using species-specific PCR technique journal of Duhok university 2010 ;13(1):340-345.
14. Differentiation between types of raw milk from different animals by using polymerase chain reaction technique. The 5th Scientific Conference ,Coll. of Vet. Med. ,Uni. of Mosul. 2009 ;23 (2) : 307-311.
15. Identification of beef using restriction fragment length polymorphism– polymerase chain reaction . Iraqi journal of Veterinary Science 2009;23(1):43-46.
16. Prevalence of Salmonella Contamination from Butcher's Shops in Mosul City. Proceeding of the 3rd Scientific Conference , Nursing College ,University of Mosul , Iraq , 8-9 / 5 / 2007 .
17. Differentiation between different animal meats by using species -specific polymerase chain reaction technique .12th scientific conference of veterinary college of Assiut University ,10 -12 /12 / 2006
18. Differentiation between different animal meats using a Random Amplified Polymorphic DNA technique PCR. Iraqi journal of Veterinary Sciences ,20-21/10/2006.
19. Isolation of Salmonella from meat products in Mosul city . The 4th scientific conference of college of Vet. Med. Uni of Mosul ,2006 ;(2) :465.

20. Survey of *Toxoplasma gondii* antibodies among slaughtered cattle, sheep and goats in Mosul abattoir . Iraqi journal of Veterinary Sciences 2004;18(1):53-60.
21. Liver fluke disease of slaughtered bulls in Mosul abattoir . Journal of Education Science 2002 ; 14 (3) :83-89.
22. Liver fluke of slaughtered cows at Mosul abattoir (Iraq) . Iraqi journal of Veterinary Sciences 2001 ;14 :137-140 .
23. Incidence of *Yersinia enterocolitica* in raw milk in Mosul city . Iraqi journal of veterinary sciences 2000 ;13 : 317- 321.
24. Incidence of enteropathogenic *Escherichia coli* in raw milk . Iraqi journal of Veterinary Sciences 1999 ; 12(1) :103-108 .
25. Incidence of salmonella in lymph nodes, spleen & feces of sheep & goat slaughtered in Mosul abattoir . Iraqi Journal of Veterinary Sciences 1999 ;12:359-364.
26. Tenucollosis in sheep and cattle at Mosul abattoir ,Iraq . Iraqi journal of veterinary sciences 1998 ;12 :115-119.
27. Observation on the prevalence of Hydatidosis in slaughtered animals at Mosul abattoir . Iraqi journal of Veterinary sciences 1997 ; 11 :12-24 .
28. Recovery of Two Types of Salmonellae from Eggs of Free Range-Rearing Hens and Ducks. Iraqi Journal of Veterinary Sciences 1997 ; 10 : 10 -15 .
29. *Pseudomonas aerogenosa* as a cause of spoilage refrigerated fish . Iraqi journal of Veterinary Sciences 1995 ; 8 : 144-138 .
30. Evaluation of Hygienic Quality of some local fish . 1st scientific symposium of Coll. of Vet. Med. University of Baghdad : 1-4-1993 .
31. Evaluation of storage quality of some local Iraq fish at refrigeration temperature . Iraqi journal of Veterinary Sciences 1993 ; 6(1) :16-19.
32. Effluents discharged from mosul abattoir as a source of salmonellae and *C. perfringens* [*Clostridium*]to environmental contamination .Assiut Veterinary Medical Journal 1988 ;20 (40) 117-121
33. Penetration rate of *Proteus* organism through egg shell membrane at different temperatures . Iraqi journal of Veterinary sciences, 1988;1(1) :4-10.

Scientific evaluation of theses and dissertations (scientific activities): 13 theses

Honoring, thanks and appreciation: 44 letters of thanks and appreciation

Dispatch and secondment outside the country:

UK Teaching staff training one month from 9-2-2014 to 9-3-2014