

Curriculum Vitae

Raida Karim Al-Rukibat, BVM, MS, Diplomate-ACVP

Personal Data

Name: Raida Karim Khalaf Al-Rukibat

Place of Birth: Zarka-Jordan

Date of Birth: October 3rd, 1970

Marital Status: Married

Electronic Address: ralrukib@just.edu.jo

Working Address: Department of Veterinary Pathology and public Health.
Faculty of Veterinary Medicine
Jordan University of Sciences and Technology
P.O.Box 3030
Irbid 33110
Jordan.

Education

1989 **General Secondary Education Certificate** (*Scientific Stream*), Jordan, excellent average (92.1%).

June, 1994 **Bachelor of Science in Veterinary Medicine** (*BVMs*), Faculty of Veterinary Medicine, Jordan University of Science and Technology/ Irbid/Jordan . (First student in the class).

1997-2000 **Residency in Veterinary Clinical Pathology**. School of Veterinary Medicine, Purdue University.

August, 2000 **Master of Science in Veterinary Clinical Pathology** (*M.S.*), Department of veterinary Pathobiology, Purdue University .

September, 2002 **Diplomate American College of Veterinary Pathologists (DACVP)**.

Post graduate training /work & Professional Experience

- September 2011-2012 Head, Dept. of Veterinary Pathology and Public Health. Faculty of Veterinary Medicine. JUST, Irbid , Jordan.
- September 2007-present Associate Professor of Veterinary Clinical Pathology. Dept. of Veterinary Pathology and Animal Health. Faculty of Veterinary Medicine. JUST, Irbid , Jordan.
- September 2002-present Assistant Professor of Veterinary Clinical Pathology. Dept. of Veterinary Pathology and Animal Health. Faculty of Veterinary Medicine. JUST, Irbid , Jordan.
- Feb-September 2002 Lecturer of Veterinary Clinical Pathology. Dept. of Veterinary Pathology and Animal Health. College of Veterinary Medicine. JUST, Irbid , Jordan
- August2000- Jan2002 Clinical Instructor of Clinical Pathology. Dept. of Veterinary Biomedical Sciences and Pathobiology. College of Veterinary medicine, Virginia Tech, Blacksburg, VA
Duties include: -
- Reading and interpreting cytology and hematology submissions.
 - Reviewing clinical Chemistry and other Laboratory Reports for both samples from VMRCVM teaching Hospital as well as mail- in submission from private practitioners.
 - Consulting with Clinicians and Students and Practitioners on laboratory findings.
 - Vital role in preparation and presentation of cases for weekly Clinical Pathology seminars and rounds
- 1996-1997 One-year preceptorship in Veterinary Clinical Pathology (I took Selected courses from the DVM curriculum including General and Systemic Pathology, Clinical Pathology, and I participated in senior ancillary blocks and clerkships in Clinical Pathology). Dept. of Veterinary Pathobiology, Purdue University.
- Part time research assistant . Dept. of Veterinary Pathobiology /Purdue.

- 1998-1999 Instructor of Arabic Language (Arab Level 101,102,202).
Dept. of Foreign languages and Literatures. Purdue University.
(One of the out standing teachers for fall semester,(1998/1999).
- 1997-2000 Resident in Veterinary Clinical Pathology, Department of
Veterinary Pathobiology, Purdue University School of
Veterinary Medicine.1997-2000.
- 1995-1996 Veterinarian. Veterinary Health Center, Faculty of Veterinary
Medicine ,Jordan UST/Jordan. 1995-1996.
- 1995-1996 Teaching Assistant for Veterinary Pharmacology, Veterinary
Biochemistry and Veterinary Microbiology, Faculty of
Veterinary Medicine ,Jordan UST/Jordan .
- 1994-1995 Teaching Assistant for Veterinary Anatomy and physiology,
College of Veterinary Medicine. JUST, Irbid , Jordan

Honors & Scholarships, Membership in Honorary Societies:

- ❖ Ministry of higher education scholarship, 1990-1994.
- ❖ Jordan University of Science and Technology Scholarship to pursue my graduate study in the filed of Veterinary Clinical Pathology at Purdue University 1996-2000
- ❖ Dean's list, Distinguished and Semester's honors, 1990-1993
- ❖ National Society of Phi Zeta-Honor Society of Veterinary Medicine, Omicron chapter, 1999 to 2000.
- ❖ Purdue Alumni Association, West Lafayette, Indiana. 2000-present.

Membership in professional and Scientific Societies:

- ❖ Jordanian Veterinarian Medical Association, 1994-present.
- ❖ American Society of Veterinary Clinical Pathology, 1998-present.
- ❖ Society of Ultrastructural Pathology, 2000
- ❖ American Association of Veterinary Laboratory Diagnosticians, 2001-2003
- ❖ American College of Veterinary Pathologist, 2002-present.

Presentations, abstracts and workshops /meetings:

- ❖ MB Al-Zghoul, **R.K. Al-Rukibat**, Ababneh M., Batieah A. Thermal Manipulation During Late Embryogenesis: Effect on Body Weight and Temperature, Thyroid Hormones and Differential White Blood Cell Count In Broiler Chicks. 2011 American Association of Veterinary Anatomists (AAVA) meeting , Cornell University, College of Veterinary Medicine
- ❖ MB Al-Zghoul, **R.K. Al-Rukibat**, Alghadi M, Caceci T, Bani Ismail Z. Distribution and Density of Mast Cells in Camel Small Intestine and Influence of Fixation Techniques. 2008 American Association of Veterinary Anatomists (AAVA) meeting , Texas A&M University, College of Veterinary Medicine.
- ❖ Al-Zghoul MB, Bani Ismail Z, **Al-Rukibat RK**. Detection of Tryptase in the Camel Skin by Immunohistochemistry Using Monoclonal Mouse Anti-human Skin Tryptase antibody African Association of Veterinary Anatomists. 2008, Cairo, Egypt
- ❖ Al-Zghoul MB, Bani Ismail Z, **Al-Rukibat RK**, Al- Majali. A Quantitative Study on the Trachea Young Arabian Camels (*Camelus dromedaries*), Biotechnology and animal production. Cairo University, Faculty of Veterinary Medicine. April, 2005.
- ❖ Workshop on Testing and Evaluation "University Examination". Jordan University of Science and Technology, 5-6 March, 2008.
- ❖ Workshop on Electronic Learning. Jordan University of Science and Technology, 4-5 November, 2007.

- ❖ Workshop on Communication skills and Class Room Interaction. Jordan University of Science and Technology, 6-8 July, 2004.
- ❖ Workshop on Effective Education Using Modern Techniques . Jordan University of Science and Technology, 30/9-2/10 , 2003.
- ❖ American Society of Veterinary Clinical Pathologist and the American collage of Veterinary Pathologist National Meeting. Salt Lake City, Utah, December 1-5-6,2001
- ❖ Ahmed Shoieb, **Raida Al-Rukibat** and John Robertson.” A case of intestinal mast cell Sarcoma with tissue eosinophilia”. Southeastern Veterinary Pathology Conference. Tifton-Georgia, May 19-20, 2001.
- ❖ The American collage of Veterinary Pathologist National Meeting. Amelia Island Florida, December 2-6,2000.
- ❖ Dina Andrews, Peter Bennett, **Raida Al-Rukibat**, Shawn Clark, John Christian, Marlon Rebelatto and Dennis DeNicola. “A case of Atypical diffuse - sertoli cell tumor in a Labrador Retriever”. American Society of Veterinary Clinical Pathologist National Meeting. Amelia Island Florida, December 2-6,2000.
- ❖ Shawn P. Clark, Dina Andrews, Paul Snyder, **Raida Al-Rukibat**, Victoria Owiredu-Laast and Dennis DeNicola. “A case of malignant thymoma in a mixed breed dog”. American Society of Veterinary Clinical Pathologist National Meeting. Amelia Island Florida, December 2-6,2000
- ❖ **Al-Rukibat, R.K.** “ A case of splenic myelolipoma in a dog”. Midwest Association of Veterinary Pathologist 19th Annual Summer Meeting, Blomontoun, Indiana August 13, 2000.
- ❖ **Al-Rukibat, R.K.** “ Acute Monocytic Leukemia (AML-M5) in a Tennessee Walker Horse”. Department of Veterinary Pathobiology Research Seminar, VBP 697. Purdue University SVM. February, 16,2000.
- ❖ **Al-Rukibat, R.K.** “ Hepatic Coccidiosis in Rabbit “ Slide Review session of the American Society of Veterinary Clinical Pathologist National Meeting. Chicago, Illinois. November 14, 1999.
- ❖ Midwest Association of Veterinary Pathologist 18th Annual Summer Meeting, College Corner, Ohio August 13, 1999.

- ❖ **Al-Rukibat, R.K.** “ Using Cytochemical Stains to diagnose Monocytic Leukemia “ Slide Review session of the American Society of Veterinary Clinical Pathologist National Meeting. St.Louis, Missouri. November 16, 1998.
- ❖ **Al-Rukibat, R.K.** “ A case of Monocytic Leukemia in a horse”. Midwest Association of Veterinary Pathologist 17th Annual Summer Meeting, Marshall, Indiana August 13, 1998.
- ❖ Workshop on Recent Trends in Theriogenology (Veterinary Obstetrics and Gynecology). Co-Sponsored by Purdue University, West Lafayette, IN, USA & Jordan University of Science and Technology. Irbid/Jordan. 2-6 March , 1996.
- ❖ **Raida Al-Rukibat** and Mohammad Fouad. Prevalence of Hydatidosis in Awassi Sheep and imported Sheep in Zarka City/ Jordan, 1994. (Graduation project)
- ❖ Workshop on Modern Surgical and Medical Techniques in Veterinary Medicine. School of Veterinary Medicine, Jordan University of Science and Technology, Irbid, Jordan. 22-26 October 1994.
- ❖ Workshop on Pest de Petit Ruminant (PPR), School of Veterinary Medicine, Jordan University of Science and Technology, Irbid, Jordan ,12 June, 1993.

Publications :

- 1) **Al-Rukibat RK**, Armando Irizarry, Janice Lacey, Kevin Kazacos, Scott Storandt and Dennis DeNicola. Impression Smear of Liver Tissue from a Rabbit (Coccidiosis). *Veterinary Clinical Pathology*.2001; 30:57-61.
- 2) Kelly Wang, David Panciera, **Al-Rukibat RK** and Radi Zaher. Accuracy of Ultrasound Guided Fine Needle Aspirate Cytology Compared to Histopathology of Liver Biopsies. *J Am Vet Med Assoc*. 2004; 224 :75-8.
- 3) **Al-Rukibat RK**, Ismail ZB, Al-Majali AM, Al-Zghoul MB. Peritoneal fluid analysis In adult, nonpregnant Awassi sheep. *Vet Clin Pathol*. 2006 Jun;35(2):215-8.
- 4) Bani Ismail Z, **Al-Rukibat R**. Synovial fluid cell counts and total protein concentration in clinically normal fetlock joints of young dromedarian camels. *J Vet Med A Physiol Pathol Clin Med*. 2006 Jun;53(5):263-5
- 5) **Al-Rukibat RK** , Bani Ismail ZA and Al-Zghoul MB : Cytologic analysis of synovial fluid in clinically normal tarsal joints of young camels (*Camelus dromedarius*). *Vet Clin Pathol*.2006;35(3):326-8.
- 6) MB Al-Zghoul , ZB Ismail , **RK Al-Rukibat** and AM Al-Majali. A Quantitative Study on the Trachea of Young Arabian Camels (*Camelus dromedarius*). *Journal of Camel Practice and Research*.2006;13(2):129-133.
- 7) **Al-Rukibat RK** and Bani Ismail Z. Unusual Presentation of splenic Myelolipoma in A Dog. *Canadian Veterinary Journal*. 2006;47:1112-1114
- 8) **R. Al-Rukibat** , ZB Ismail and Al-Zghoul MB: Radiocarpal Joint Fluid Cytology and Protein Concentration in Clinically Normal Young Camels. (*Camelus dromedarius*). *Journal of Camel Practice and Research* .2006 ;13(2):145-147.
- 9) Z. Bani Ismail **R. Al-Rukibat** , M. B. Al-Zghoul, and Y. Al-Tarazi . Synovial fluid analysis and bacterial findings in arthritic joints of premature camel (*Camelus dromedarius*) calves. . *J Vet Med A Physiol Pathol Clin Med* 2007 March;54:66-69
- 10) Bani Ismail Z, **Al-Rukibat R** and Al-Zghoul MB. Renal and Epididymal infarctions associated with Chronic Obstructive Urolithiasis in a Suffolk Ram. *American Journal of Animal and Veterinary Sciences*.2007; 2:29-31.
- 11) Mohammad S. Khalifeh, Wa'el Hananeh, **Raida Al-Rukibat**, Omar Okour and Assia Boumezrag. Clinical and Histopathological Evaluation of MDP/Collagen Induced Arthritis Rat Model (MCIA) after Treatment with *Urtica Dioica*, *Plantago Major* and *Hypericum Perforatum* L Herbal Mixture. *Experimental Animal* .2008;57:101-110

- 12)** Mohammad B.F. AL-Zghoul, **Raida K. AL-Rukibat**, Abdelsalam Q. Talafha, Omar Ababneh and Zuhair A. Bani Ismail. Cellular and somebiochemical changes in blood and peritoneal fluid in lambs following elective castration. . American Journal of Animal and Veterinary Sciences.2008; 1:23-27.
- 13)** AL-Zghoul MB and **Al-Rukibat RK**, Al-Gadi Muath,T. Caceci and Z Bani Ismail. Distribution and Density of Mast Cells in camel small intestine and influence of fixation techniques.*European Journal of Histochemistry*.2008;52:237-242
- 14)** Khalifeh MS, **Al-Rukibat R**, Hananeh W, Boumezrag A, Okour O. Investigation of the role of tumour necrosis factor- α , interleukin-1 β , interleukin-10, nitric oxide and rheumatoid factor-immunoglobulin M in a rat model of arthritis. *Lab Anim*. 2010.
- 15)** Mustafa M. Ababneh, **Raida K. Al-Rukibat** , Abdelrahman T. Nasar, Wael M. Hananeh , Mohammad B. Al-Zghoul. Molecular characterization and phylogenetic analysis of Jordanian bovine leukemia virus genotypes . Archives of Virology. 157(12):2343-8.2012
- 16)** **Raida Al-Rukibat**, Zuhair Bani Ismail . *Biochemical analysis of serum and synovial fluid in clinically normal young camels (Camelus dromedarius)*. Veterinary Science Development.4:40-42. 2014
- 17)** **Al-Rukibat RK** , Hananeh WM and Naser AT . Prevalence of Bovine Leukemia Virus in Diary Cattle in Central and Northern Part of Jordan.mitt-klosterneuburg journal. 64:161-171.2014
- 18)** **Al-Rukibat RK** and Hananah Wael, Athamneh Haetham,. Comparative study of foot and mouth disease in sheep using different diagnostic test in Jordan. Veterinary science development 5:28-31.2015.
- 19)** Hananeh WM, **Al-Rukibat RK** and Brown CC. Acute necrotizing pneumonia associated with barium aspiration in a cat . Vlaams Diergeneeskundig Tijdschrift, 84:250-252.2015
- 20)** Mohammad-Borhan Al-Zghoul, Sabry M. El-Bahr, **Raida K. Al-Rukibat**, Abd Elhafeed S. Dalab,Thnaian A. Althnaian and Saeed Y. Al-ramadan. Biochemical and molecular investigation of thermal manipulation protocols during broiler embryogenesis and subsequent thermal challenge. BMC Veterinary Research 11:292-301.2015

21) **Raida Al-Rukibat**, Wael Hananeh, Zuhair Bani Ismail. **What is your diagnosis? Lymphadenopathy in a cow** . Veterinary Clinical Pathology.45(1): 191-192, 2016

22) **Raida Al-Rukibat** and Zuhair Bani Ismail. **Intestinal mast cell tumor in a dog: Case report and review of current literature**. Research Opinions in Animal & Veterinary Sciences. 6(4): 135-137, 2016.

23) **Radia Karim Al-Rukibat**, Mohammad-Borhan Al-Zghoul, Wael M. Hananeh , Mohammad Q. Al-Natour and Ihab Abu Basha. Thermal Manipulation during Late Embryogenesis: Effect on Body Weight and Temperature, Thyroid Hormones and Differential White Blood Cell Counts in Broiler Chickens (accepted 26-july-2016. Poultry Science)

24) Musa Daradka Zuhair Bani Ismail, Wael Hananeh, **Raida Al-Rukibat**, Rami Mukbel, Myassar El-Ekish1 and Wejdan Alhamad ..*Enzootic nasal adenocarcinoma in Small Ruminants in Jordan: A Case Series.*(*submitted to veterinary record*)

25) *Sameeh M. Abutarbush, **Raida Karim Al-Rukibat** and Wafa'a Qura'n. A comparison between laboratory findings of tracheal wash and bronchoalveolar lavage in normal adult dairy cattle. (In preparation 2016)*

26) *Musa A. Alshehabat , **Raida K. Al-Rukibat** . Comparing hematological parameters of healthy dogs living at low and high altitudes.*(*In preparation 2016*)

27) *Al-Zghoul MB, Bani Ismail Z, **Al-Rukibat RK**. Detection of Tryptase in the Camel Skin by Immunohistochemistry Using Monoclonal Mouse Anti-human Skin Tryptase antibody (in preparation 2016)*

28) **Radia Karim Al-Rukibat**, Wael M. Hananeh and Zuhair Bani Ismail. Mastocytemia in clinically healthy Sprague Dawley (SD) rats and a comparison between two bleeding sites. (*in preparation 2016*)

Courses Taught or Participated In

- 1. VBP 489** – Ancillary Block For Fourth-year veterinary students. Meets for 2 hours/days for 10 days. Two sessions per year. Purdue university.USA.1998 –2000
- 2. VBP 489- Clinical pathology** Clerkship for fourth-year veterinary students. Small group discussion of topics related to Veterinary Clinical Pathology. 1-2 hours per week, Purdue university.USA. 1998-2000.
- 3. VPB 561- Diagnostic Cytology Laboratory.** Individualized instruction in diagnostic Veterinary Cytology. Purdue university.USA.1998 to 2000.
- 4. Large Animal Round:** Small group discussion of topics related to Clinical chemistry and hematology cases in cattle and horses. SVM, Purdue University, USA.1998-2000.
- 5. Small Animal Round:** Small group discussion of topics related to Clinical chemistry and hematology cases in Dogs and cats. SVM, Purdue University, USA.1998-2000.
- 6. VPB 555-Veterinary Hematology**
 - A. “Myeloproliferative disorders” One hour lecture, February 15, 2000. Purdue University SVM.
 - B. **Diagnostic Hematology Laboratory.** Individualized instruction in diagnostic Veterinary Hematology, 1998 to 2000.
- 7. VM 8664- Applied Laboratory Medicine.** Individualized instruction in diagnostic Veterinary Hematology and cytology, 2001, SVM. Virginia Tech.USA.
- 8.** Participated in the training of first year clinical pathology resident at SVM, Purdue University, USA.1999-2000.
- 9.** Participated in the training of third year clinical pathology resident at SVM, Virginia Tech, USA.2000-2001.
- 10. VM 454- Veterinary Clinical pathology.** College of veterinary medicine, Jordan university of science and technology, 2002- present.
- 11. VM 522- Clinical Chemistry.** College of veterinary medicine, Jordan university of science and technology, 2002- present.
- 12. VM 499- Clinic, practical training:** Small group discussion of topics related to Clinical Chemistry. 3 hours per week / 2 week, College of veterinary medicine, Jordan university of science and technology, 2002- present.

- 13. VM 591 - Clinic, practical training:** Small group discussion of topics related to Veterinary Hematology. 6 hours per week / 2 weeks, College of veterinary medicine, Jordan university of science and technology, 2002- present.
- 14. VM 592- Clinic, practical training:** Small group discussion of topics related to Veterinary Clinical Pathology/cytology. 6 hours per week / 2 weeks, College of veterinary medicine, Jordan university of science and technology, 2002- present.
- 15. VM 714- Practical Training .** , College of veterinary medicine, Jordan university of science and technology, 2002.
- 16. VM 726- Laboratory diagnosis,** College of veterinary medicine, Jordan university of science and technology, 2002, spring 2011.
- 17. VM 232 –Veterinary Histology and Embryology,** College of veterinary medicine, Jordan University of science and technology, spring 2007, 2011.
- 18. LM 351-Hematology.** Faculty of applied medical Sciences. Jordan University of science and technology, spring 2008, fall2009.
- 19. VM 221–Animal Physiology,** College of veterinary medicine, Jordan University of science and technology, spring 2003, fall 2009.
- 20. M212. Pathology .**College of medicine, Jordan University of science and technology, summer & spring 2011.
- 21. VM 355 Veterinary Hematology.** College of veterinary medicine, Jordan University of science and technology .fall 2014-present
- 22. VM357 Hematopathology laboratory .** College of veterinary medicine, Jordan University of science and technology .fall 2014-present
- 23. VM 399 practical training** (veterinary hematology rotation). Jordan University of science and technology, summer 2010, 2011,2012.
- 24. VM 713 practical training..** (Advanced veterinary clinical chemistry rotation). Jordan University of science and technology .2012,2013
- 25. VM 782 Oncology.** Jordan University of science and technology. spring 2016
- 26. VM 354. Veterinary Pathology Clinic I.** Jordan University of science and technology. summer 2016

M.S. Graduate Students:

Member of Advisory Committee for M.S. students :

1. Boumezrag Assia .DVM, MS(January,2006). Proinflammatory Cytokines Regulation in Collagen Induced Arthritis Rat Model Using Some Herbal Medicinal Plants. (Co-Advisor)
2. Al-Gadi Muath. DVM,MS.(August, 2006). Determination of the Normal Distribution and Density of Mast Cells in the Digestive System of the Juvenile Camels (*Camelus Dromedarius*). (Co-Advisor)
3. Omar Salah Okour, DVM, MS.(April,2006). Determination of Rheumatoid Factor and the Level of IL-10 in Rat Arthritis Model Treated with Herbal Medicinal Plants Mixture. (Committee member)
4. Omar Qasim Al-Ababneh (July 2007).Serum Levels of IGF-I and Thyroid Hormones and Muscle Fiber Size in Castrated Lambs with and without Androgen Treatment. (Committee member)
5. Majduleen Ali Sbaihat. (March /2008). The Effect of Thermal Manipulation During Embryogenesis of Broiler Chicks on Body weight and Thermotolerance Acquisition Post Hatching. (Committee member)
6. Abdull-Rahman Naser (January/2009). Prevalence of Bovine Immunodeficiency Virus & Bovine Leukemia Virus in Northern & Central of Jordan Using ELISA & PCR Technology.(Advisor)
7. Haetham Barakat. (Fall 2010),. Comparative study of foot and mouth disease in sheep using different diagnostic test in Jordan. (Advisor)
8. Fade Antary (summer 2012). The concentration of Acute phase proteins (Hp and SAA) in healthy cattle exposed to heat stress. (Committee member)
- 9.wafa Al Quran (2013). Bronchoalveolar Lavage in Adult Cattle: Normal Laboratory Findings and Comparison between Sampling Techniques.(Co advisor)
10. Murad F.M. Alqudah.(May 2015) Effect of Long – Term Exposure of Used Motor Oil on Auto-Repair Worker.(Committee member)
11. Sadeer H. AL-Aloosi (Coadvisor) . Pathological effects of perfumes in rats .2016
12. Shefaa Jaradat. (Coadvisor). Exposure assessment of bisphenol A in plastic cup drinking Arabian coffee in Jordan . No. 502-2015

Funded Grants:

1. **Al-Rukibat RK** and Al-Majali A. Cytologic Analysis of Ovine (Awassi sheep) Peritoneal fluid. (JD 4600) No. 89/2003. Deanship of Scientific Research, Jordan University of Science and Technology.
2. **Al-Rukibat RK** and Khalifeh M. Hematologic and Serologic Investigations on the Presence of Bovine Leukemia Virus Infection Among Cattle Population in Northern and Central Jordan. (JD 3000) No. 126/2003. Deanship of Scientific Research, Jordan University of Science and Technology
3. Khalifeh M and **Al-Rukibat RK**. Proinflammatory Cytokines Regulation in Pristane Induced Arthritis Mouse Model Using Some Herbal Medicinal Plants. (JD 1800) No. 92/2004. Deanship of Scientific Research, Jordan University of Science and Technology
4. **Al-Rukibat RK** and Bani Ismail ZA. Cytological and Biochemical Analysis of Synovial Fluid From Clinically Normal Carpal, Tarsal and Fetlock Joints in Camels (*Camelus Dromedarius*). (JD3000) No.173/2005. Deanship of Scientific Research, Jordan University of Science and Technology.
5. Al-Gadi Muath, AL-Zghoul MB and **Al-Rukibat RK**. Determination of the Normal Distribution and Density of Mast Cells in the Digestive System of the Juvenile Camels (*Camelus Dromedarius*). (JD 3030) No 159/2005. Deanship of Scientific Research, Jordan University of Science and Technology.
6. AL-Zghoul MB and **Al-Rukibat RK**. Determination of the Normal Distribution and Density of Mast Cells in the Skin of the Juvenile Camels (*Camelus Dromedarius*). (JD 2770) No 168/2006. Deanship of Scientific Research, Jordan University of Science and Technology.
7. **Al-Rukibat RK** and Hananah Wael. Prevalence of Bovine Immunodeficiency Virus & Bovine Leukemia Virus in Northern & Central of Jordan Using ELISA & PCR Technology. (JD 4000) No 26/2008. Deanship of Scientific Research, Jordan University of Science and Technology.
8. AL-Zghoul MB and **Al-Rukibat RK**. Enhancement of Meat Production in meat typed chicken by thermal Manipulation During Embryogenesis . (JD 6000) No180 /2007 . Deanship of Scientific Research, Jordan University of Science and Technology.
9. **Al-Rukibat RK** and Hananeh Wael, Haetham Barakat,. Comparative study of foot and mouth disease in sheep using different diagnostic test in Jordan. (JD 6500) No 152/2010. Deanship of Scientific Research, Jordan University of Science and Technology.

10. AL-Zghoul MB and **Al-Rukibat RK**. Enhancement of Thermotolerance and muscle growth in meat typed chicken by thermal manipulation. Agency: International Foundation for Science (IFS) 2007. (12,000 USD),
11. Sameh Abutarbush and **Al-Rukibat Raida**. Bronchoalveolar Lavage in Adult Cattle: Normal Laboratory Findings and Comparison between Sampling Techniques. (JD 8000) No 284/2011. Deanship of Scientific Research, Jordan University of Science and Technology.
12. Wael Hananeh, Ehab Abu-Basha and **Al-Rukibat Raida** . Toxicity studies of sulfaclozine on Sprague Dawley Rats and Poultry Chicks . (JD 4400) No No 99 /2012 . Deanship of Scientific Research, Jordan University of Science and Technology.
13. Sadeer H. AL-Aloosi, Wael Hananeh and **Al-Rukibat Raida** . Pathological effects of perfumes in rats. No. 450/2015 . Deanship of Scientific Research, Jordan University of Science and Technology
14. shefaa jaradat, Wael Hananeh and **Al-Rukibat Raida**. Exposure assessment of bisphenol A in plastic cup drinking Arabian coffee in Jordan . No. 502-2015. Deanship of Scientific Research, Jordan University of Science and Technology
15. **Al-Rukibat Raida** and Hananeh Wael. Mastocytosis in clinically healthy rats and a comparison between two bleeding sites. No 289-2016 Deanship of Scientific Research, Jordan University of Science and Technology
16. Hananeh wael and **Al-Rukibat Raida** . Effects of faked and original perfumes on the presence , numbers and distribution of mast cells in several selected tissues in rats No. Deanship of Scientific Research, Jordan University of Science and Technology

Committees

Curriculum Development Committee 2011-2012
 University Council
 Faculty Council
 Equipment and Supplies Committee
 Diagnostic Laboratory Committee
 Social life Interactive Committee
 Department Scientific Research Committee
 Department Graduate Studies Committee

SCHOLARLY ACTIVITIES

Reviewer of the following Journals:-

1. Journal of Veterinary internal medicine (2009)
2. Veterinary Clinical pathology (2008)

References:

Holly Bender, DVM, PhD , DACVP.
Iowa State University
College of Veterinary Medicine
Ames, IA 50011
Tel: (515) 294-7947
Fax: (515) 294-5423
E-mail: hbender@iastate.edu

Dennis B. DeNicola, DVM, PhD, DACVP
Chief Veterinary Educator
IDEXX Laboratories, Inc.
One IDEXX Drive
Westbrook, ME 04092
E-mail: Dennis-Denicola@idexx.com

Christopher Mary, DVM, PhD, DACVP
University of California-Davis
Veterinary Medicine: PMI
1 Shields Ave
Davis, CA 95616
Tel: (530) 752-7970
Fax: (530)752-3349
E-mail: mmchristoper@ucdavis.edu