

Adel Gohar

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OBJECTIVE

Professor of Clinical Pathology,
Consultant of Biotechnology
Laboratory Director Many Molecular Diagnosis Laboratory

EXPERIENCE

Professor of Clinical Pathology

Cairo university

Cairo university

March-2009 - Currently

Teaching hematology, biochemistry and molecular diagnosis of genetic and infectious disease in biotechnology program in faculty of science
Cairo University

Director of Colors Medical laboratory

Colors Medical Laboratory

Maadi, cairo

December-2015 - Currently

Colors laboratory is a specialized laboratory for oncology testing(EGFR- BRCA, BCR-ABL, KRAS, and NRAS) and testing pregnant mother for NIPT assays, testing newly born for some whole EXOME, and apply Molecular in broad genetic research scope

Head of Clinical Pathology PCR Unit in Egyptian IVF __ ET Center

Egyptian IVF __ ET Center

Maadi, cairo

March-2002 - Currently

Routine testing of hematology, biochemistry, and viral for all patients establish PGD assay for thalassemia patients and getting a healthy baby for carrier parents

Director of Laboratory Division in L C H.

Solution For Health Care

Doha, Qatar

March-2013 - November-2015

Director of laboratory division in Lawaeina camel hospital and research center, Doha, State of Qatar. which is working for all testing for racing camel and parentage, during this period LCH establish Genetic laboratory for parentage testing and developing Formula for body confirmation for racing camel, testing and publishing research paper with share of Heal authority and Erasmus institutes for coronavirus infection in both camel and their attends as well as making epidemiological studies for Brucellosis in camels.

Visiting Professor (Biotechnology)

Cairo University

January-2008 - March-2013

Visiting professor in National Institute of Laser, Cairo University, since 2008- 2012 teaching molecular techniques and phytochemical composition of molecular probes. (Postgraduate Level)

Visiting professor in a program of biotechnology in the faculty of science, Cairo University, since February 2009 -2013teaching molecular fingerprinting and disease diagnosis (graduate and postgraduate)

Consultant of Molecular Diagnosis

Green business solutions

Maddi, Cairo

November-2017

Consultant for molecular diagnosis of food born illness, testing Halal food by Real-time PCR and conventional PCR

Consultant of Biotechnology Training and Education

Science Horizons

Maadi, Cairo. Egypt

July-2017

Training program founder for molecular diagnosis and genotyping for personalized medicine. Industrial Biotechnology, and bioinformatic curriculum with full integration of Bemcon, UK

Consultant of Zoo Laboratory

Ministry of agriculture

Giza, Giza zoo

July-2008 - January-2013

Supervision for Giza Zoo laboratories since 2008-2013 third animal zoo in the world and consultant for testing animals under reservation

Visiting Professor (Biotechnology)

MSA University

October city

February-2009 - February-2013

Visiting professor for faculty of biotechnology, MSA University since February 2009-2013 for teaching course about molecular diagnosis of diseases.

Visiting Professor (Clinical Pathology)

Alexandria University

Alexandria

January-2009 - June-2011

Visiting professor for faculty of veterinary medicine, Alexandria university since September 2009-2011.

Member In The Enduring Committee of Strategic Programs Of Biotechnology

Academy Of Scientific Research& Technology.

Cairo

September-2008

Member In The Enduring Committee of Strategic Programs Of Biotechnology Science And Technology Academy Of Scientific Research& Technology.

EDUCATION

BVSc

Cairo University

Giza-Cairo, Egypt

1992

BVSc.: 1992, Very good grade, (prime of class) Faculty of veterinary medicine, Cairo university.

MVSc of clinical pathology

Cairo university

Giza-Cairo, Egypt

1995

MVSc: 1995 Clinical pathology, Faculty of veterinary medicine, Cairo university. Title : Studies on FMD in Egyptian Goats (Master thesis Was titled by : Studies on foot and mouth disease in Goats. Where a detailed molecular and serological diagnosis were applied. (virus isolation, serum

neutralization, and Polymerase Chain Reaction as a diagnostic tools applied for disease condition evaluation). Hematological and biochemical parameters was measured.

PHD of Clinical pathology

Cairo University

Giza -Cairo, Egypt

1999

Ph.D.: 1999 Clinical pathology, Faculty of veterinary medicine, Cairo university. Title : Clinicopathological studies on BHV-1 in cattle (PhD thesis was titled by: Clinicopathological studies on bovine herpes virus type 1 among calves. where a detailed molecular serological and isolation of virus (Application of FA technique, virus isolation, serum neutralization, polymerase chain reaction and DNA hybridization techniques epidemiology biostatistics model) The changes in both hematological and biochemical analysis of blood and serum of infected cases were studied.)

SKILLS

Develop business strategy, Public relation, conflict resolution, Good budget management, Good computer skill, Time management, leadership and team building up

LANGUAGES

| | |
|---------------|----------------|
| Arabic | English |
| Mother tongue | advanced |

PROJECTS

Principle investigator for project tiled by **Production of a recombinant vaccine for protection against liver fluke.** funded from Cairo University and starting date at 1/9/2002 extended for 18 months

Principle investigator for project tiled by **Establishment of a new promising economical protocol for continuous production of Fasciola antigens used for vaccine and diagnostic kit production** funded from National Academy of sciences and starting date at 1/10/2004 extended for 36 months. The projects Extended for 2 years till 2009 with additional funds. To establish the commercial products output. With the registration of a patency

Principle investigator for project tiled by **Controlling subclinical mastitis in dairy herds** funded from National Academy of sciences and starting date at 1/10/2007 extended for 36 months. And refunded by October university for Art and science for developing the research into field product.

Co-PI for a project funded by STDF for studying the **using of Gold nanoparticles in treating Oral cancer and the hepato-renal toxicity**

Member in a team of treating diabetes with stem cell funded by German university.

Member of the management team of the QAAP (quality assurance and accreditation project) for developing the faculty courses in the faculty of veterinary medicine at Cairo University.

Member in the management in C-QAP (continuous Quality accreditation project) in the faculty of veterinary medicine Cairo University.

Head of a research group in Biodiversity Studies in the Coastal Waters of the East and Southeast Asia (BIODIVERSITY) in Biology Science, The University of Tokyo, Japan

Member in the project No:19 Ministry of which titled: **Establishment of a vaccine for controlling *Corynebacterium pseudotuberculosis* infection in sheep and buffaloes using Recombinant DNA technology.**

Where inactivation of Phospholipase D (toxin secreted by *Corynebacterium pseudotuberculosis*) is mutated and recombinant mutant form is produced to be used as a vaccine duration: Date of start March 1999 and extended for 3 years

ACHIEVEMENTS

Patent for **continuous production of *fasciola* proteases depending in tissue culture basis** patent in October 2015 Egypt

Production a powerful surfactant capable of removing oil from our eastern beaches of the ocean. Using rumenolipid for oil removal and shore freshening. Japan 2012

Apply for antigen **production of *Schistosoma* proteases depending on tissue culture basis** patent in March 2013 France

Medical Convoys For Sharing in the national impacts:

- According to the Assigning functional supervision of the minister of agriculture for enhancing and the central laboratory of Giza zoo since 2009-2013.
- A corporation with international Lions protection organization for assessment of genetic makeup of more than 60 lions inside Giza zoo and we register a number of 8 rare African lions
- Making genetic fingerprinting for chimpanzee as part for considering them as a zoo keep back.
- Cooperation with South Africa Zoo for Egyptian Hawks fingerprinting

In the area of Nature Reservation:

- Regarding to authority of environment and the Council of Ministers we studied a case of Nubian Ibex founded Saint Catherin, Nature Reserve with age of one week, it was reared and tested for DNA fingerprinting before Mating with corresponding males present in Sharm El Sheik, the result coming after pregnancy was a young male of the same species.
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CERTIFICATIONS & COURSES

Workshops and training skills in accreditation laboratory ISO 17025-15189& 19011

- Understanding **ISO 17025-2005 requirements** 12/12/2015 that is an essential program to establish documentation profile. Cairo Egypt
- ISO 17025-2005** management system implementation and documentation at 25-12-2015 Cairo Egypt
- statistic quality controls for accredited laboratories** 24-3-2016 Cairo Egypt
- uncertainty awareness and its calculation in ISO 17025** 25-3-2016 Cairo Egypt
- **lab internal auditing in accordance with ISO 1725 ISO 15189 AND ISO 19011** at 20-4-2016
- **Understanding ISO 15189-2012 requirements and its implementation in medical laboratories** at 8-2-2017 Cairo Egypt

Workshops for new technologies:

- Professional training in Cobas 6000 and 501c** by Roche diagnostic middle east in Dubai , 11-15th May 2014.
- Measurement of water-soluble vitamins using HPLC in Agilent bioanalytical company** Dubai, September 14-18th 2014.

- Training in using **NGS for full genome sequencing of human genome** March 2016

- Training in using **Bioanalyser for measuring the quality of nucleic acid** April 2017

● **Organizer for training courses**

- Workshop on: **first regional training course in molecular biology** 1-15 January 2000 (cooperation with Iowa state university)
Workshop titled by **Application of PCR for diagnosis of bacterial and viral diseases** 1-30 March 2001 trainer (responsible for the practical session).

- Workshop on: **Second regional training course on molecular biology**
(cooperation with Institute of tropical diseases, Belgium).

A workshop titled by **Application of genetic engineering techniques in diagnosis and vaccine production** 28-7 MAY (responsible for the practical session)

- Workshop on: **third regional training course on immunology** (cooperation with the federal Institute of Veterinary Medicine, Germany) Workshop titled by **Immunodiagnostic of livestock diseases** 7-21st April 2001 (responsible for the practical session).

- Workshop on: **first regional training course in molecular biology** 1-15 January 2000 (cooperation with Iowa State University)

Workshop titled by :

(Part A) **Application of PCR and DNA hybridization for diagnosis of infectious diseases** 13 -17th January 2002.

(Part B) **Preparation of recombinant vaccines and diagnostic proteins.** 26 31 January 2002(**responsible for both practical session and lectures in both Part A and Part B**).

- Sharing in the training of Veterinarians according to the General veterinary authority for **using stem cell and Gold Nano-particles as a new tool for therapy** during 2012 (monthly workshop March, April, and May).

-Teaching the scientific content about **Advances in Polymerase chain reaction in Genome center in a faculty of Medicine, Cairo University** February 2012.

Attendance of Scientific conferences

The 11 annual scientific conference of Veterinary society for pathology and clinical pathology held during 28-29 October 1999.

The 12 annual scientific conference of Veterinary society for pathology and clinical pathology held during 24-26 October 2000.

Arabic veterinary conference 24 of Egyptian veterinary association. Cairo April 2001

The 13 annual scientific conference of Veterinary society for pathology and clinical pathology held during 29-29 October 2001

The 7 annual scientific conference of the faculty of veterinary medicine Cairo university 29-31st October 2002.

The 14 annual scientific conference of Veterinary society for pathology and clinical pathology held during 9-10 September 2003

First scientific conference for developing national registrations of efficiency and safety in in-vitro fertilization under the supervision of Ministry of health 5-7 October 2003

First scientific conference of Egyptian virology society Cairo 5-7 March 2005

The 8 annual scientific conference of the faculty of veterinary medicine Cairo University 17--19 April 2005

The 12 annual scientific conference of Middle east infertility society 23-26 December 2005- Luxor.

First annual scientific conference for camel held in Qassim, KSA, by Faculty of agriculture and veterinary medicine, Qassim university 9-12nd May- 2006

The 8 annual scientific conference for immunology society held during 29 November to first of December 2006 Sharm el Sheik.

The First annual scientific conference of Cairo University held in Cairo during 3-5 May 2007.

The 9 annual scientific conference of Egyptian society for cattle disease during 2-4 December 2007 in Luxor.

The 4 annual scientific conference of the veterinary sector in NRC national research center held during 26-28 April 2008 about consumer safety.

First international for biotechnology applications held during 19-21st October 2008 in cooperation between October university for Modern science and Arts and the Greenwich United Kingdom.

Arabic veterinary conference 28th of Egyptian veterinary association Cairo 15-17 December 2008.

First conference quality assurance and accreditation between reality and expectation in Cairo University 15 April 2008.

The second international for enhancing the competitive capability of university 4-5 June 2008 Al-Azhar university.

First international conference for National Authority for quality assurance for assessment of academic standard 7-8 April 2008.

Second international for biotechnology applications held during 18-19 October 2009 in cooperation between October university for Modern science and Arts and the Greenwich, United Kingdom

The second international scientific conference of the faculty of veterinary medicine Cairo university 19-22nd October 2009

The 16 annual scientific conference of Egyptian society for cattle disease during November 2007 in Cairo.

First scientific conference of innovation in biotechnology faculty of science Cairo University 21-23 November 2010.

Third scientific conference of Egyptian virology society Cairo 24-25 November 2010.

Endemic and emerging viral diseases of priority in the middle east and North Africa (MENA) Doha.26-29 May 2014.

Regional Workshop on MERS-CoV and 'One-Health' Approach 27-29 April 2015 held in Doha under the supervision of OIE and WHO.

HONORS & AWARDS

Patencies

Using rumenolipid for oil removal and shore freshening Japan 2012

Apply for antigen production of Schistosoma proteoses depending on tissue culture basis patent in March 2013 France

Apply for antigen production of fasciola proteoses depending on tissue culture basis patent in October 2015 Egypt

PUBLICATIONS

- 1) Adel S Amin; Mohamed E. Hamdy; and **Adel K. Ibrahim** : (2001): **Detection Of Brucella Melitensis In Semen Using The Polymerase Chain Reaction** Vet. microbial. 83 (2001) 37-44
- 2)**Ibrahim A.K**; Ibrahim I.G.; Ghoneium M.A. and Awad. W. S.: (2002): **Evaluation of Polymerase Chain Reaction (PCR) and Conventional Brucellosis Diagnostic Techniques in Milk Samples From Different Animal Species**. J. of Vet. Med. Asco 62 (2): 119-131.
- 3)**Ibrahim A.K**; Salem S.H; Dardiri M. and Shaker M (2003): **Comparative Diagnostic Studies On Two Localized Epidemics Of Sheep Pox In Egyptian Delta**. Egyptian J. Comp. Path. &Clinic. Path. 16, (2):137-157.
- 4)**Ibrahim A.K**; Ghoneium M.A.; Amin A.S.; Aboul Hassan D.G; and Selium S.A.(2001): **Molecular diagnosis of bovine leukemia virus in the blood of dairy cattle using nested-PCR and dot blot hybridization in comparison to ELISA technique** J. of Vet. Med. Asco 61 (3): 153-163.
- 5)EL-Zomor S.T. and **Ibrahim A.K.** (2002): **Tiletamine Zolazepam (Zoletil) Anaesthesia in Dogs** J. of Vet. Med. Asco 62 (6b): 311-322.
- 6)I.A. Saleh and **Ibrahim A.K.** (2003): **Clinical, Hematological, Biochemical, Arterial Blood Gas Analysis And Acid-Base Changes Associated With Hypoventilation And Respiratory Diseases In German Shepherd Dogs**. Vet. Med. J. Giza 51(2):235-344
- 7)Makareta M.A. Elham A. El ebiary; **Ibrahim A.K.** and Fawzy HG. (2001) **Detection Of Clostridium Hemolysin Gene In Reference, Vaccinal And Isolated strains By Polymerase Chain Reaction**. Egypt. Soci for cattle disease 6th sci. cong. 230-233.
- 8)Ghoneium M.A.: Mousa W.; **Ibrahim A.K**; Amin A.S.; Khafagi A. and Selium S.A.(2001): **Role of Hippobosca equina as a transmitter of C. pseudotuberculosis among buffaloes as revealed by PCR and dot blot Hybridization**. J. of Vet. Med. Asco 61 (3): 165-176.
- 9)Ghoneium M.A.: Amin A.S.; **Ibrahim A.K**; Khafagi A.; Warda M. and Selium S.A.(2001): **Cloning and Expression of Phospholipase D Gene from Three Different Isolates of C. pseudotuberculosis**. Arab j. Biotech.4 (1)37-48.
- 10)Faten Baeyomi and **Ibrahim A.K.** (2003): **Differential Diagnosis Of Mycoplasma Homins And Ureaplasma Urealyticum Colonizing Cervicovaginal Mucus In Women** Egyptian J of Appl. Sci. 18 (4B)751-765.
- 11)Salem S.A. and **Ibrahim A.K.** (2003): **Trails for the elimination of latent infection with BVD noncytopathic strain from cell culture of bovine origin**. Egyptian J. Comp. Path. &Clinic. Path. 14, (2):86-98.
- 12)**Ibrahim A.K**; Salem S.H; Dardiri M. and Shaker M (2003): **Comparative Diagnostic Studies On Two Localized Epidemics Of Sheep Pox In Egyptian Delta**. Egyptian J. Comp. Path. &Clinic. Path. 16, (2):137-157.
- 13)Shamaa, A.A.; Zabady M.K; **Ibrahim A.K.** and Dardiri M.A.(2002): **Xylazine And Metomedine As Pre-anesthetic To Sodium Thiopental In Dogs: Clinical And Laboratory Study**. J. of Vet. Med. Asco 62 (6b): 179-192.
- 14)Moussa I.; Awad W.S. and **Ibrahim A.K.** (2004) **Using film A gene amplification assay for diagnosis of salmonella infection in diarrheic and contact calves**. J.Vet. Med. Assoc. : 64(5): 81-90.

- 15)Yasin, M.H. Amin, A.S. and **Ibrahim A.K** (2004) **Molecular Diagnosis of Bovine mycoplasma mastitis**. Proc. Of the 1st intern. Conf. Vet.Res.NRC 38-47.
- 16)Ibrahim, A, I; **Ibrahim A.K.**; Alam, T.A.; Fathi, F. M. and Awadalla, S.A (2004): **Haematological and immunological changes associated with the feeding of onion and or Garlic in broiler Muscovy ducks**. 1st Sci. conf. Fac. Vet. Med Moshtohor, Banha 309-321.
- 17)Moussa, I; Ghoneium M; and **Ibrahim A.K** (2005): **Rapid detection and characterization of Shiga like toxigenic Escherichia coli (STEC) in bovine fecal and milk samples by multiplex PCR assays**. J65.Vet. Med. Assoc. :(1):19-34.
- 18)**Ibrahim A.K.**; Awad W.S.; Naserin Ezz Eldein; Naser Hegazi and Fahmy M.M.(2005): **Molecular and conventional Diagnostic studies of equine Babesiosis caused by B.equi in Egypt**. Egypt, Vet. Paras. J. Vol II (1) 232-243.
- 19)**Ibrahim, A.K.**, Ibrahim, I.G.A., Gohenium, M.A., Abdel All, Abeer, A. and Awad, W.S. (2006): **Evaluation of Molecular and Conventional Brucellosis Diagnostic Methods Applied on Milk Samples Collected from Different Endemic Animal Populations**. Proceeding Of The International Scientific Conference On Camel, Part II 434-425. 2006.
- 20)Abeer. A. AbdelAll, **Ibrahim, A.K.** and Adel S. Amin (2006): **Molecular assessment of camel milk adulteration with special reference to chemical and microbiological features**. J. Egy. Vet. Med. Assoc., 66, 3, 7-23, 2006.
- 21)**Ibrahim, A.K.**; Ahmed, S.A.; Dardiri, M.A., and Amin, A.S. (2006): **Comparative studies on conventional and molecular assays used for Diagnosis of lumpy skin disease**. J. Comp. Path. &Clinic. Path. 19, (3):227-239.
- 22)**Ibrahim A.K.**; EL-Seedy, F.R., and Hassan; W.H. (2007): **The role of corynebacterial phospholipase-D vaccine in activation of macrophages**. Beni-surf Veterinary medical journal Vol. 17, (1): 50-55.
- 23)**Ibrahim, A.K.**; Abdel-Monem I., Mervat; Awad, W.S, and Dardiri, M.(2007): **Molecular and Conventional Diagnosis of Bovine Herpes Virus I In Cattle and buffaloes**. 9th congress of Egyptian society for cattle diseases: 107-115
- 24)**Ibrahim A.K.**; Amin, A.S. and Yasin, M.H. (2007): **Diagnosis of Mycoplasma Bovis Infection by PCR and Dot Blot Hybridization Techniques**. 9th congress of Egyptian society for cattle diseases: 160-168.
- 25)**Ibrahim, A.K.**; ElKlousy, M.M. and EL-Hewairy, H.M. (2008): **Molecular and conventional studies on Staphylococcus aureus isolated from milk of subclinical bovine mastitis cases and associated dairy workers**. Med. J Cairo Univ Vol 76, No 1 51-58.
- 26)**Ibrahim, A.K.**; Salem, S. I.; El-Behairy, A.M. and Awad, W.S, (2008): **Molecular, hematological and biochemical investigations on Salmonella-induced enteritis in cattle and buffalo calves**. J Egypt. Vet. Med. Assoc., 68, (3): 65-81.
- 27)Magdy A. Ghoneim, Ahmed F. El- Kirdasy, **Adel K. Goher**, Waheed M. Moussa, Salah S. El-Ballal, Ahmed A. Moussa (2008): **Expression of cathepsin L1 gene of Fasciola gigantica in different developmental stages**. Journal of Applied Sciences Research, 4 (12): 2071-2078, 2008 2008,
- 28)Awad, W.S.; **Ibrahim, A.K.**; Salib, F.A (2009): **Using indirect ELISA to assess different antigens for the serodiagnosis of Fasciola gigantica infection in cattle, sheep, and donkeys**. Research in Veterinary Science, 86 (3) 466471. ISSN 0034-5288
- 29)Hanan M. El-Hewariy; Awad, W.S.; **Ibrahim A.K.** (2009): **Serotyping and molecular characterization of Escherichia coli isolated from diarrheic and in-contact camel calves**. Egyp. J. of Comp. path.& clean. path. 22 (1): 215-232.
- 30)Awad, W.S.; **Ibrahim, A.K.**; Mahran, K.; Farrah; K.M.; Mervet, I.A. (2010): **Evaluation of different diagnostic methods for diagnosis of Lumpy skin disease in cows**. Tropical Animal Health and Production, 2010 42: 777-783

- 31)Khalid M. Farrah,* , **Adel K. Ibrahim**, Yakot A. Elsonosy (2010): **Thymoquinone enhances the activities of enzymes related to energy metabolism in peripheral leukocytes of diabetic rats**. Res. Vet. Sci. (2010), 88: 400-404
- 32)ABEER ABDELALL, A.A.; Bashandy, M, M; Yasin M.H. and **Ibrahim AK** (2010): **Assessment of Conventional and Molecular Features of Staphylococcus aureus Isolated from Bovine Milk Samples and Contact Dairy Workers**.Global Veterinaria 4(2): 168-175
- 33)Ahmed, W.M.; Bashandy, M.M; **Ibrahim, A.K.**; SIA shalaby; Sherin Abdel Moez, I.; Foraggalla El moghazy, M. and Sally Ibrahim, R.E.: (2010): Investigation on delayed puberty in Egyptian buffalo heifers with emphasis on clinicopathological changes and treatment using GnRH (receptacle). Global Veterinaria 4 (1): 78-85.
- 34) **Ibrahim, A.K.**; Irene S. Gmail, Abd-El baky, A.A. Manal M. Hussein, and Tohamy, A.A. (2011): **Comparative Molecular and Conventional Detection Methods of Babesia equi (B. Equi) in Egyptian Equine**. Global Veterinaria 7 (2): 201-210, 2011.
- 35) Hazem Mohammad Saleh, Ahmed Samir Shaker, Ali Mohamed Saafan, and **Adel Khalil Ibrahim** (2011): **Herpes Virus Reactivation by Low-Intensity Diode and CO2 Lasers Photomedicine and Laser Surgery** Volume: 29: Number 2- 2011; Pp. 83-90
- 36) Sheimaa Abdelhamid; Hazem Saleh; Mohamed Abdel Hamid; **Adel Gohar** and Tareq Yousef (2012): **Laser-induced modifications of Gold nanoparticles and their cytotoxic effect**.(2012): Journal of biomedical optics17;(6) 1-7
- 37) Abeer, A. Awad; Azaa Gouda; Dardir, H and **Ibrahim A.K.**(2012): **Prevalence of some Milk-Borne Bacterial Pathogens Threatening Camel Milk Consumers in Egypt**. Global Veterinaria 8 (1): 76-82, 2012
- 38) **Ibrahim, A. K.**; Abeer, A. Abdel-All, and Amin, W.S. (2012): **Long-term diagnostic studies for detection of Brucella spp. in milk samples**. Global Veterinaria (1): 54- 61, 2012
- 39) Suzan, A. Amin, And **Ibrahim AK**.(2012): Effect of different plasma preparation on the proliferation and differentiation of rat dental stem cell. Egy. Dental Journal Vol (58)1403-1412 ISSN: 0070-9484
- 41)Doha may, A.A.; Abdalla, M.S; **Ibrahim, A.K.**; Ahmed, K.A.; Mahran, K.A. and Mohamed R.S.(2013): **The effect of lupines albums and hyphae thebaica on chromosomal aberrations and histopathological changes in liver and pancreas in streptozotocin induced diabetic rats**. The Egyptian journal of hospital medicine Vol: (53), 763-769.
- 42)Doha may, A.A.; Abdalla, M.S; **Ibrahim, A.K.**; Mahran, K.A. and Mohamed R.S.(2013): **The effect of lupines albums (terms) and hyphae thebaica (Doum) on some biochemical parameters in streptozotocin induced diabetes**. The Egyptian journal of hospital medicine Vol: (53), 789-794.
- 43) Hazem M. Saleh, Shimaa Abdelhamid, Mahmoud Abdelhamid, Tareq Youssef, P. and **Adel K. Gohar** (2014): **Subcellular Toxicity of Gold Nanoparticles Irradiated with 532 nm Pulsed Laser. Photomedicine and Laser Surgery**. Volume 32, Number 6, 2014 ^ª Mary Ann Liebert, Inc. Pp. 360367 DOI: 10.1089/pho.2013.356.
- 44) Bashandy, M.M.; **Ibrahim, A.K.**; El-Olemy, K. A.; EL Ghouf, W.S. and MorganH.(2014): **Clinicopathological, Radiological and Synovial Fluid Evaluations in Common Musculoskeletal Affections in Horses**. Global Veterinaria 13 (5): 889-897, 2014.
- 45) Reusken, C.B.; Farag, E. A.; Jones, M.; Godeke, G.J.; El-Sayed, A.M.; Pas, S. D Raj, V. S.; Mohran, K. A; Moussa, H. A.; Ghobashy, H; Alhajri F.; **Ibrahim, A.K.**; Bosch, B. J; Pasha, S. K; Al-Romaihi, H. E.; Al-Thani, M; Al-Marri, S. A; AlHajri, M; Haagmans, B. L. and Koopman, M. P.: (2014): **Middle East Respiratory Syndrome Coronavirus (MERS-CoV) RNA and neutralising antibodies in milk collected according to local customs from dromedary camels, Qatar**. Eurosurveillance, Volume 19, Issue 23, 12 June 2014, Rapid communications.

- 46) Reusken, C. B.; Farag, E. A.; Haagmans, B. L.; Mohran, K.A.; Godeke, G. K.; Raj, S.; Alhajri, F.; Al-Marri, S.A.; Al-Romaihi, H.E.; Al-Thani, M.; Bosch, B.J.; Eijk, A.A.; El-Sayed, A.M.; **Ibrahim, A.K.**; Al-Malawi, N. Müller, M.A; Pasha, S.K.; Drosten, C.; AlHajri, M.M; and Koopmans, M.P (2015): **Occupational Exposure to Dromedaries and Risk for MERS-CoV Infection, Qatar**, Emerging Infectious Diseases Vol. 21, No. 8, August 2015 1422-1425
- 47) Abdellatif, O.; Saleh, H.; Salah, T; Elshazly, O.: **Ibrahim, A.K.**; Raafat, A.A. (2016): **Heamato, Hepato, and Nephrotoxicity after repeated systemic administration of 18nm Gold Nanoparticles (GNPs) in Hamsters. Gold Nanoparticles for Targeted Oral Cancer Therapy In-Vivo Evaluation of Hepatotoxicity before Translation.** `nanotoxicology International journal of nanomedicine, 11; 2505-2510
- 48) Ansari, W.K.; Parvej, S.H.; El Zowalaty, M.E.; Bustin, S.S; **Ibrahim, A.K.**; El Zowalaty, A.E; Rahman, A.; Zhang, H.; Rahman KR.; Mostakin, A.; Rahman, F; Rahman, M.; Nazir, K.M.; Sultan, A.; Liakot H.; Abdul Kafi, M.; Yamage, N.; Debnath, G.; Ashour, H.S.; Masudur, R.; Noreddin, A.; Rahman, B; (2017): **Surveillance, Epidemiological, and Virological Detection of Highly Pathogenic H5N1 Avian Influenza Viruses in Duck and Poultry from Bangladesh** Veterinary Microbiology, 193;49-59
- 49) Reina S Sikkema, Elmoubasher ABA Farag, Sayed Himatt, **Adel K Ibrahim**, Hamad Al-Romaihi, Salih A Al-Marri, Mohamed Al-Thani, Ahmed M El-Sayed, Mohammed Al-Hajri, Bart L Haagmans, Marion PG Koopmans, Chantal BEM Reusken. (2017): **Risk Factors for Primary Middle East Respiratory Syndrome Coronavirus Infection in Camel Workers in Qatar During 2013-2014: A Case-Control Study.** The Journal of Infectious Diseases, 215, 11, 1702-1705
- 50) Al-Alfy, M.E.; El-Noury, M.A.; Azmy, O.M.; Bebars, M.A.; Alsharnoubi, G.; Dawood, R.M.; Nagy, O.A.; **Ibrahim, A.K.**; (2017): **Molecular detection of CFFDNA for early laboratory diagnosis of X linked disorders carriers.** Middle East Fertility Society Journal <https://doi.org/10.1016>