

CURRICULUM VITAE
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PERSONAL INFORMATION

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Date of Birth: October 1, 1969
Place of birth: Tanta, Egypt
Marital status: Married

EDUCATIONAL BACKGROUND

May 1992 Bachelor of Veterinary Medicine (B.V.Sc.) Zagazig University-
Benha Branch, Graduated "Very Good with Honor Grade"
April 1997 Master of Veterinary Medicine (M.V.Sc.) Animal Medicine
Department Zagazig University- Benha Branch
August 2003 Ph.D. Genetics and Developmental Biology West
Virginia University-USA. Excellent Grade Point Average
(GPA) 3.94

PROFESSIONAL POSITIONS

1993-1997 Demonstrator in Animal Medicine Department
1997-1999 Assistant Lecturer in Animal Medicine Department
2000-2003 ORISE fellow-CDC- National Institute for Occupational
Safety and Health (NIOSH), PPRB 1095 Willowdale
Rd. Morgantown, WV 26505
2003-2004 Lecturer of Animal Medicine, Benha University, Egypt
2004 – 2005 Postdoctoral fellow at the Genetics and Developmental
Biology program, West Virginia University, USA.

2005-2007 Lecturer of Animal Medicine, Benha University, Egypt
2008 Assistant professor of Animal Medicine, Benha University, Egypt
Oct 2008 – Jan 2009 Postdoctoral associate, Genetics and Developmental Biology program, West Virginia University, USA
Jan 2009- present: Assistant professor of Animal Medicine, Benha University, Egypt
Nov 2013 Professor of Veterinary Internal Medicine, Faculty Vet Medicine, Benha University
Dec 2015 Head of Animal Medicine Dept., Fac Vet Medicine, Benha University

ADMINISTRATIVE POSITIONS

2009- 2014 Director of the Veterinary Teaching Hospital, Fac Vet Med., Benha University.
2004-2009 Coordinator of Technology club, Fac Vet Med., Benha University.
2009 - present Executive supervisor of Electronic TANSIK Lab., Fac Vet Med., Benha University.
2009-2014 Director of Veterinary Teaching Hospital, Fac of vet Med
2012-present: Director of E-learning center – Benha University
2012- 2014: Vice Director of Quality Assurance and Accreditation Center – faculty of vet Medicine, Benha University
2015-present: Head of animal Medicine Dept., Fac Vet Med., Benha University
2016-present Vice chief Information Officer (Vice CIO), Benha University

TEACHING ACTIVITIES for undergraduate and graduate students

1994-1999 -Teaching the Lab. of Animal Medicine course (Sheep, Cattle, Goat, Horse, Dog, and Cat), for undergraduate students, Veterinary Teaching Hospital College of Veterinary Medicine, Zagazig University-Benha Branch
2003-present -Teaching the Animal Medicine course (Sheep, Cattle, Goat, Horse, Dog, and Cat) for undergraduate student, Veterinary Teaching Hospital College of Veterinary Medicine, Benha University.
2009-present - Teaching the general veterinary medicine course for students at the new program (food and quality control)
2003-present - teaching graduate courses for animal medicine (for master and PhD students)

ACTIVITIES IN THE QUALITY ASSURANCE AND ACCREDITATION

- 1- A member of technical support and evaluation committee of the continuous improvement and qualification for accreditation project (CIQAP), Ministry of Higher Education, Egypt (2009-2015)
- 2- A peer reviewer for Quality Assurance and Accreditation Project QAAP (Developmental engagement process) at Ministry of Higher Education, Egypt
- 3- Consultant of Academic Development and Accreditation, at Ministry of Higher Education, Egypt
- 4- A member of the implementation team of Continuous Improvement and Qualification for Accreditation Project (CIQAP) at faculty of Veterinary Medicine, Benha University
- 5- A member of the peer reviewer team for QAAP of Faculty of Veterinary Medicine, Cairo University
- 6- A member of the peer reviewer team for QAAP of Faculty of Veterinary Medicine, Mansoura University
- 7- A member of the National Committee for the new programs (MENPP 2007-2008) at Ministry of Higher Education, Egypt
- 8- A member of Advisory Board of Quality Assurance and Accreditation of Faculty of Veterinary Medicine, Benha University.
- 9- Workshop on "Concepts of Quality assurance and accreditation", conducted by the National Authority for Quality Assurance and Accreditation Benha University on September 7 2009.
- 10- Workshop on "Standards of accreditation of higher education institution", Benha University on September 8-9 2009.
- 11- Workshop on "Procedures of accreditation by the National Authority of quality assurance and accreditation", Benha University on September 14-15, 2009.
- 12- Workshop on European Standard and Guidelines (ESG), held at the Open University at Amsterdam, Netherlands, 14-15 March 2016

Training activities

- 1- An international certified associate trainer (TOT1 and TOT2) for the faculty and leadership development (FLD).
- 2- International trainer on "Academic ranking of World universities" giving several workshops in Egypt, Saudia Arabia and Amesterdam.
- 3- International trainer on "Development of Scientific research" for Saudi Arabia Universities

- 4- A trainer for the international computer driver license ([ICDL](#)).
- 5- A trainer for the veterinary internal medicine for veterinary training centers of the General Authority for Veterinary Services.

DISTINCTION, PRIZES and Awards

- 1- Certificate on “excellent scientific research and international publication” at Benha University in 2016
- 2- Certificate on “excellent scientific research and international publication” at Benha University in 2015
- 3- Full governmental mission for PhD study at West Virginia University, USA (1999-2003)
- 4- West Virginia University postdoctoral scholarship (WVU, USA): 2004-2005.
- 5- IDB (Islamic bank Development, Saudi Arabia) scholarship winner 2007.
- 6- Partnership and ownership Initiative scholarship, Ministry of Higher Education, Egypt (cycle 0607).
- 7- An appreciation by the supreme council of higher education for Developmental engagement (DE) of faculties of Veterinary Medicine via QAAP project (2008).
- 8- West Virginia University (WVU, USA) travel award (2003)
- 9- The highest fifth ranking PhD thesis at West Virginia University (2003).

PROFESSIONAL SOCIETIES AND ASSOCIATIONS

- A member of Environmental Mutagen Society 2003-2004 USA
- A member of Egyptian Scholar Association of North America (ESANA) 1998-2003.
- A member of Executive Committee of ESANA in USA 2002-2003.
- A member of Egyptian Society of Cattle Diseases since 2008.

PROFESSIONAL ACTIVITIES

- An organizer of scientific meeting entitled “applications of fluorescent in situ hybridization (FISH)” 2004. College of Veterinary Medicine at Moshtohor-Toukh, EGYPT.

- An organizer of the scientific meeting entitle “chromosomal aberrations in male sterility; effect of age factor” 2004. College of Science at Benha – Benha, Egypt.
- A member of editing and printing committee of the First Scientific Conference of College of Veterinary Medicine at Moshtohor, Toukh, EGYPT (Sept 1-4th 2004).
- Scientific presentation of research paper at the First Scientific Conference of College of Veterinary Medicine, Benha University (1-4 September, 2004).
- **An Editor** of the **Second Scientific Conference**, College of Veterinary Medicine, Benha University. Egypt (25-28th January, 2007).
- Scientific presentation of research paper at the **Second Scientific Conference** of College of Veterinary Medicine, Benha University
- Scientific presentation of research paper at the **Third Scientific Congress** of Minufia Veterinary School., Minufia University, Sadat City, EGYPT.
- Scientific presentation of research paper at **the Fourth Scientific Conference**, Faculty of Veterinary Medicine at Ismailia, Suez Canal University (November, 2006).
- Scientific presentation of research paper at **the Third Scientific Conference**, National Research Center, Dokki, Cairo, Egypt (5-6 December, 2006).
- A coordinator of the Technology Club at the Faculty of Veterinary Medicine, Benha University.
- **A Peer reviewer** for the quality assurance and accreditation project starting from 2007 (Developmental Engagement process).
- **A member of the National Committee for the New Programs** of the Egyptian Universities (Nov 2007 – Nov 2008).
- A member of Swine flu prophylaxis committee at the Faculty of Veterinary medicine.
- A member of food safety for Benha University hostile committee.
- A coordinator of the international agreements of Faculty of Veterinary Medicine of Benha University with USA institutions (Purdue University) and Lebanon University.
- A member of Swine flu prophylaxis committee at the Faculty of Veterinary medicine.
- A member of food safety committee for Benha University hostile
- A member of scientific equipment committee at the faculty of Veterinary Medicine, Benha University.

- A member of defense committees for Master and PhD dissertation at the Department of Animal Medicine, Benha University.
- A member of continuous improvement and qualifying for accreditation project (CIQAP) at the Faculty of Veterinary Medicine
- A member of Veterinary convoys held during the first, second, third and fourth environmental week (in collaboration with Benha University and Kalyobia Governorate).

International activities

- 1- A Peer reviewer for the international journal: Tropical Animal Health and Production in the field of Animal Medicine and infectious diseases.
- 2- A Peer reviewer for the international journal: Journal of buffalo science
- 3- An external assessor for evaluating staff member appointment at Malaysian Universities.
- 4- An External Evaluator for Higher degree programs at Gazza university.
- 5- An external assessor for promotion of staff members (assistant professors and professor) at Al-Anbar University. Iraq.
- 6- International trainer on “academic ranking of world Universities” by giving training program for leaders and higher administration of El-Dammam University, KSA.

PROJECTS

- 1- The Principal investigator (PI) for the project entitled “Development of the scientific content and repository at Benha university” with total fund of 100000 LE from 2015 till now
- 2- The PI for the project entitle “Efficacy Evaluation of Topical Herbal Gel and Herbal Spray in Sub Clinical & Clinical Mastitis In Bovines” in collaboration with Auyrvet limited Indian company. 2015-present
- 3- The PI for the project entitle “Clinico-Therapeutic Evaluation of Livoliv 250 and Rumitone In Treatment Of Various Digestive Disorders And Restoration Of Normal Ruminant Function” in collaboration with Indian Herbs company. 2015 till present.
- 4- PI for the e-learning project at Benha University since 2012-till now
- 5- PI for the IT project at the faculty of veterinary medicine, Benha University from 2013 till now.

- 6- A member of the scientific project entitled “Development of the center of excellence for Scientific research at faculty of Veterinary Medicine, Benha University” since 2014-till now.
- 7- Co-investigator on the research conducted in cooperation with the National Research Center as a part of a project: entitled ‘Improvement of general health condition and immune status of small ruminants using antioxidants’ (The 9th research plan, 2010-2013, No. **9040203**)
- 8- A member of the scientific project “ultrasonographic and biochemical studies on urinary and digestive system on sheep under salinity condition in southern Sinaa” in collaboration with the Desert research Institute.
- 9- Co-investigator of project entitled “Effect of Particle Exposure on Pulmonary Xenobiotic Metabolism in rats” funded by NIOSH, USA from 2000-2003.
- 10- Co-investigator of project entitled “Effect of Particle-associated nitric oxide on pulmonary CYP1A1 expression” funded by WVU, USA from 2004-2005.
- 11- A member of Quality Assurance and Accreditation Project (QAAP) of the Faculty of Veterinary Medicine, Benha University, Egypt, 2005.
- 12- A member of the Diagnostic Imaging Project at College of Veterinary Medicine, Benha University, Egypt, 2005.
- 13- A member of continuous improvement and qualification for accreditation (CIQAP) 2009-current.
- 14- A member of the central team of Benha University Electronic portal project 2010.

PROFESSIONAL TECHNIQUES AND AREA OF EXPERTISE

- Polymerase chain reaction and RT-PCR
- Real Time-PCR
- DNA and RNA extraction
- Nuclear extraction
- Sheep bronchoscopy
- Rabbit pathology
- Knock out mice
- Intratracheal instillation and insufflation in rats
- Outstanding Immunofluorescence technique (single, double and triple labeling)
- Fluorescent microscopy (image capturing)
- Immunohistochemistry

- Electrophoresis
- Western blotting
- TUNEL assay for cell apoptosis
- Enzyme linked immuno-sorbent assay (ELISA)
- Bronchoalveolar lavage collection and analysis (chemiluminescence of AM, PMN count, albumin, nitric oxide and LDH).
- Culture of cells (particularly alveolar macrophages).
- Microsomal isolation from rats, mice, rabbit and sheep
- Pulmonary cell isolation and purification
- Cell counting
- Spectrophotometry
- Hematological analysis
- Histopathology
- Morphometric analysis
- Pulmonary cytokine analysis (TNF-alpha, IL-1B, IL-6).
- Ultrasonography and echocardiography
- Endoscopy
- Electrocardiography

COMPUTER, IT AND STATISTICAL SKILLS

- International computer driver license (ICDL) certification (word, Access, excel, PowerPoint, internet, information technology, using the computer and managing files).
- IT trainer
- Oracle data base version 10 (4 levels)
- Microsoft certification for web page designing
- Statistical analysis using Excel, SPSS, Sigma Stat and Sigma plot
- Web designing using front page and online templates.
- Professional image processing using image pro plus, Corel Draw, Corel Photopaint and Adobe Photoshop)
- E-learning course development
- Mobile learning strategies
- E-portal development (html, Joomla,)
- Skype for business communications

POST-DOCTORAL TRAINING

- 1- West Virginia University award scholarship July, 2003 till sept 2003.
- 2- West Virginia University award scholarship from Oct 2004 to Feb 2005.
- 3- Partnership and Ownership initiative scholarship at West Virginia University from Oct 2008 till Jan 2009.
- 4- Islamic Bank Development (IDB) award 2008

WORKSHOPS and TRAINING

- 1- Workshop on "Institutional animal welfare core training (Lab. Animal Resources, WVU), 2001.
- 2- Workshop on "Laboratory Biosafety" at the National institute for occupational safety and Health (NIOSH) – Center for Disease control and Prevention (CDC) USA, 2002.
- 3- Workshop on "Hazardous waste training" at the National institute for occupational safety and Health (NIOSH) – Center for Disease control and Prevention (CDC), USA, 2002.
- 4- Workshop on "Chemical Storage training" at the National institute for occupational safety and Health (NIOSH) – Center for Disease control and Prevention (CDC), USA, 2003.
- 5- Workshop on "Hazardous communication" at the National institute for occupational safety and Health (NIOSH) - Center for Disease control and Prevention (CDC), USA, 2004.
- 6- DNA extraction and PCR workshop (Faculty of Science, Benha University, Egypt, 2005)
- 7- DNA extraction and RT-PCR (Genetic Engineering Center, Al-Azhar University, Cairo, Egypt 2005).
- 8- The Basic Principles and Applications of Diagnostic Imaging in Domestic Animals (College of Veterinary Medicine, Benha University, Egypt, 2005).
- 9- Chromosomal analysis of animal diseases, National Research Center, Dokki, Cairo, 19-23/11/2006).
- 10- Participant in the 2nd workshop of Quality Assurance and accreditation Project, Faculty of Veterinary Medicine, Benha University (Sept, 17th, 2005).
- 11- Training program in Diagnostic imaging in small animal practice, 3-5/7/2006.
- 12- Training in Basic Curriculum design course, Benha University, 22-24/5/2005.
- 13- Training in occupational ethics course, Benha University, 28-31/3/2005.

- 14- Training in Scientific thinking skills course, Benha University, 20-23/6/2005.
- 15- Training in Effective communication course, Benha University, 19-22/9/2005.
- 16- Training in Effective presentation course, Benha University, 26-29/9/2005.
- 17- Training in using technology in teaching, Benha University, 15-17/8/2006.
- 18- Training in preparation and writing of scientific researches, 29-31/10/2006.
- 19- Training in production of scientific materials and use of scientific devices, March, 2006.
- 20- Training Course (for 10 days) organized by the Benha University and training project of faculty members in the field of modern technology for production of educational materials including three programs (The use of Educational supply and maintenance, Production of Teaching materials, The design of Educational Attitudes) March 2006, Benha, Egypt.
- 21- The workshop provided by the Cisco Academy for teaching of information technology Courses, Movenpick Hotel 6th October city, November 14, 2006.
- 22- Workshop on training of trainers – Preliminary level (TOT1) at the National Center for Faculty and Leadership Development (NCFLD) of the International Board Certified Trainers (Middle east and North African Division) 13-16/5/2007.
- 23- Workshop on basic peer reviewing of the QAAP project (March, 2007) at Ministry of Higher Education.
- 24- Workshop for advanced peer reviewing of the QAAP project (Sept, 2007) at Ministry of Higher Education.
- 25- Workshop on operational peer reviewing of the QAAP project (October, 2007) at Ministry of Higher Education.
- 26- Collaborative Institutional Training Initiative (CITI) West virginia University. USA October 2008.
- 27- Symposium on "imported fish and human hygiene" held at the Faculty of Veterinary Medicine, Benha University on 8-4-2009.
- 28- Symposium on "Animal Kindness" held at the Faculty of Veterinary Medicine, Benha University on 14-3-2009.
- 29- Symposium on "Veterinary Medicine and Market requirement" held at the Faculty of Veterinary Medicine, Benha University on 2-4-2009.
- 30- Workshop on "Concepts of Quality assurance and accreditation by the National Authority of quality assurance and accreditation (NAQAAE)", Benha University on September 7 2009.

- 31- Workshop on "Standards of accreditation of higher education institution", Benha University on September 8-9 2009.
- 32- Workshop on "Procedures of accreditation by the National Authority of quality assurance and accreditation for Education (NAQAAE)", Benha University on September 14-15, 2009.
- 33- Workshop on "training of trainer (TOT) for ICDL training, at the higher Institute for Technology (27-28, October 2009).
- 34- Workshop on "digital libraries" held at Benha University (25-26, October 2009).
- 35- Workshop on "external peer reviewing by the National Authority of quality assurance and accreditation (NAQAAE)", held at Benha University on November 14-18, 2009.
- 36- Workshop on training of trainers – Supplementary level (TOT2) at the National Center for Faculty and Leadership Development (NCFLD) of the International Board Certified Trainers (Middle east and North African Division) on January 9-17, 2010.

International conferences and meetings

- 1- The 41st Annual Meeting of Society of Toxicology, March 17-21, 2002 at Nashville, TN, USA.
- 2- The 42nd Annual Meeting of Society of Toxicology (SOT), March 9-13, 2003 at Salt Lake City, Utah, USA.
- 3- The 43rd Annual Meeting of Society of Toxicology (SOT), March 21 – 25, 2004, Baltimore, MD, USA.
- 4- The 44th Annual Meeting of Society of Toxicology (SOT), March 6 – 10, 2005, New Orleans, LA, USA.
- 5- The 34th Annual Meeting of Environmental Mutagen Society (EMS), May 10-14, 2003, Miami Beach Florida, USA.
- 6- The 35th Annual Meeting of Environmental Mutagen Society, October 2-6 2004, Pittsburgh, PA, USA.
- 7- The 36th Annual Meeting of Environmental Mutagen Society, September 3-8 2005, San Francisco, California, USA
- 8- The 3rd Scientific Conference, College of Veterinary Medicine, April 2004 Minufia university, Egypt
- 9- The 1st Scientific Conference, College of Veterinary Medicine, Zagazig University - Benha, Egypt, Sept 1-4, 2004,
- 10- The 2nd Scientific Conference, College of Veterinary Medicine, Benha University, Egypt, Jan 25-28, 2004.
- 11- The 4th Scientific Conference, Faculty of Veterinary Medicine in Ismailia, Suez Canal University, Egypt, November, 2006.
- 12- The 3rd Scientific Conference, National Research Center, Dokki, Cairo, Egypt (5-6 December, 2006).

- 13- The 2nd Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, 25-28th, 2007.
- 14- The 3rd Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, 29 Jan-1Feb, 2009.
- 15- The veterinary Symposium entitled "Progress and Perspective in Veterinary Medicine" Faculty of Veterinary Medicine, UASVM Iași, Romania 4-5 June 2009.
- 16- The fourth scientific conference "Veterinary Medicine and Food Safety" Faculty of Veterinary medicine, Benha University. Egypt, 2-5 Feb 2011.
- 17- The 5th international Scientific conference on animal wealth in Middle East and North Africa, Faculty of Agriculture, Cairo University, Egypt, 1-3 October, 2012.
- 18- The third international conference "role of electronic portals in universities in improvement of scientific research for Society service and environment development, held in Beni-Suef University in May 2013.
- 19- The XX International Congress of Mediterranean Federation of Health and Production of Ruminants, Faculty of Veterinary Medicine, Assiut University, Egypt. 19-22 Feb 2013.
- 20- The international conference on "European Standard and Guidelines (ESG), held at the Open University at Amsterdam, Netherlands, 14-15 March 2016.
- 21- The third International conference on Agricultural Biotechnology Application (ICBAA), organized by Faculty of Agriculture, Benha University, 5-9 April, 2016, Moshthohor-Sharm Elsheikh, Egypt.
- 22- The 6th QS Middle East and Africa Professional Leaders in Education Conference, At United Arab Emirates University (UAEU), May 2016.
- 23- The 7th international conference of the faculty of education "Merging and enabling the disabled people at education and society: the challenges and practices. Held at Benha University on 10-12 July 2016.
- 24- Arab organization of Quality Assurance in Education (AROQA) 8th Annual Conference on Enabling Regional Quality in Education (AROQA 2016) at the American University of Beirut, Lebanon. 1-2 December 2016
- 25- 12th QS ASIA PACIFIC PROFESSIONAL LEADERS IN EDUCATION CONFERENCE AND EXHIBITION (QS APPLE). Putrajaya, Malaysia, 22-24 November, 2016.

List of publications

1. **M. Ghanem:** Evaluation of electrocardiography as a mean of diagnosis of heart diseases in horses (**1997**). Master Thesis, Faculty of Vet. Medicine, Zagazig University, Benha Branch.
2. **M. Ghanem.** Genetic, Metabolic, and Histopathological studies of particle-associated respiratory alterations. Ph.D. dissertation, **2003** (West Virginia University).
3. **Ghanem MM**, Porter DW, Battelli LA, Vallyathan V, Kashon ML, Ma JY, Barger MW, Nath J, Castranova V and Hubbs AF (**2004**). Respirable coal dust particles modify cytochrome P4501A1 (CYP1A1) expression in rat alveolar cells. *Am J Respir. Cell Mol Biol.* **31(2):171-83**.
4. **Ghanem MM**, Battelli LA, Mercer RR, Scabilloni JF, Kashon ML, Ma JY, Nath J, Hubbs AF. (**2006**). Apoptosis and Bax expression are increased by coal dust in the polycyclic aromatic hydrocarbon-exposed lung. *Environ Health Perspective* **114(9):1367-73**.

5. Fararh KM, Shimizu Y, Shiina T, Nikami H, **Ghanem MM**, Takewaki T. (2005). Thymoquinone reduces hepatic glucose production in diabetic hamsters. *Res Vet Sci.* 79(3):219-23.
6. **Mohamed M. Ghanem**, Khalid M. M. Fararh, and Joginder Nath (2004). Pulmonary exposure to foreign particles as a cytochrome P450 1A1 (CYP1A1) suppressor. *Minufiya Veterinary Journal* 3 (2): 367-383.
7. Fararh, K. M. and **Ghanem, M. M.** (2004). Hypoglycemic effect of thymoquinone. *Egyptian J. Comparative Pathology and Clinical Pathology* 17(1): 69-77.
8. **Mohamed M. Ghanem**, Hussein A. Abdel-Maksoud, Val Vallyathan, Lori Battelli, Mark Barger, Joginder Nath and Ann Hubbs (2004). Morphologic changes in the lungs of rats exposed to coal dust: A comparison between intratracheal instillation and intratracheal insufflation exposures. The First Scientific Conference, College of Vet. Med. Zagazig University/Benha Branch 1-4 Sept, 2004.
9. Hussein A. Abdel-Maksoud, Yakout A. Y. El-Senosy and **Mohamed M. Ghanem** (2004). Some metabolic changes in newly born puppies of diabetic bitches. The First Scientific Conference, College of Vet. Med. Zagazig University/Benha Branch 1-4 Sept.
10. Hussein A. Abdel-Maksoud, Khalid M. Fararh, **Mohamed M. Ghanem** and Saeed M. Fat-Hallah (2005). Effect of Chronic Aluminum administration on brain and liver enzyme activities and trace element concentration in rats with evaluation of the protective role of vitamin A and riboflavin. Proceeding of the 8th Scientific Conference, Faculty of Veterinary Medicine, Cairo University.
11. El-Maghraby, H.M., Al-Akraa, A.M. and **Ghanem M.M.** (2005). The sedative and analgesic effect of Romifidine in Donkeys. *Benha Vet. Med. J.* 16 (2): 232-246.
12. M. H. Shekidef; A. M. Al-Akraa, and **M. M. Ghanem** (2007). Studies on the effect of medetomidine versus romifidine in buffalo calves. *Assiut Vet. Med. J.* 53 (114): 291-309.
13. **M. Ghanem**, L. Battelli, M. Kashon, V. Vallyathan, J.Y. Ma, M. Barger, J. Nath, V. Castranova, and A.F. Hubbs. (2002). Coal dust is a modifier of CYP1A1 induction in rats. *The toxicologist* 66 (1-S):91 (Abstract).
14. **M. Ghanem**, D. Porter, L. Battelli, M. Kashon, M. Barger, J.Y. Ma, V. Vallyathan, J. Nath, and A.F. Hubbs. (2003). Rat pulmonary CYP1A1 induction is inhibited by respirable coal dust exposure. *The toxicologist* 72 (1-S):1555a (Abstract).
15. **Ghanem, MM**, Battelli, LL, Kashon M, Ma JYC, Vallyathan V, Nath J, Hubbs AF. (2003). Suppression of rabbit pulmonary CYP1A1 by intratracheal exposure to silica. *Environmental and Molecular Mutagenesis* 41 (3):64 (Abstract).
16. **M. Ghanem**, L. Battelli, R.R. Mercer, M.L. Kashon, J.F. Scabilloni, V. Castranova, J. Nath, V. Vallyathan A.F. Hubbs. Coal dust increases bax expression, increases apoptosis, and suppresses CYP1A1 induction in a rat model of mixed exposure to polycyclic aromatic hydrocarbons and respirable particles (2004). *The Toxicologist* 28 (1-S): 352 (Abstract).
17. **M. Ghanem**, A.F. Hubbs, M. Kashon, D.N. Weissman, D. Porter, L.A. Battelli, V. Vallyathan, and J. Nath. Cytochrome P4501A1 (CYP1A1) induction is suppressed by coal dust exposure in the ovine lung (2004). *Environmental and Molecular Mutagenesis* 44 (3): 58 (Abstract).
18. **Mohamed M. Ghanem**, Lori Battelli, Mark Barger, Joginder Nath and Ann F. Hubbs and Vincent Castranova (2005). Modifications of pulmonary CYP2B1 and inducible CYP1A1 activities by intravenous injection of iron dextran. *The Toxicologist* 84 (S-1): 360 (Abstract).

19. **Ghanem M**, Salem M, Yao J, Rexroad C, Nath J (2005). Modification of induced cytochrome P450 1A1 in rainbow trout by polychlorinated biphenyls (PCB) in fish-diet. *Environmental and Molecular Mutagenesis* 44 (3): 58 (Abstract).
20. Abd El-Raof, Y.M. and **Ghanem, M.M.** (2006). Clinical and haemato-biochemical studies on cases of alopecia in sheep due to deficiency of some trace elements. The 4th Scientific Conference, Faculty of Vet. Medicine, Suez Canal University, 21-23 November, 2006.
21. **Ghanem. M.M.** and Abd El-Raof, Y.M. (2005). Clinical and haematobiochemical studies on lamb coccidiosis and changes following amprolium and sulphadimethoxine therapy. *Benha Vet, Med. J.*, 16(2): 286-300.
22. **Mohamed M. Ghanem**, Elham El-Shewy and Yassein M. Abd El-Raof (2006). Effect of respirable particles (coal dust) on levels of il-1 β , il-6 and tnf- α in bronchoalveolar lavage and alveolar macrophage culture medium of rats. The 3rd Scientific Conference, National Research Center (NRC), Dokki, Cairo, 5-6 December, 2006.
23. Abd El-Raof, Y.M. and **Ghanem, M.M.** (2006). Clinico-Biochemical Study on Some Cases Of Pregnancy Toxaemia Among Ewes. The 8th Sci. Vet. Med. Zag. , Conference (31 Aug. –3 Sept. 2006) Hurghada, pp 306-311.
24. **Ghanem, M.M.**, Moustafa, A.M. and Fatma K. Mohamed (2007). Therapeutic effect of Zanide, Parabenzole and Genesis on gastrointestinal nematodiasis in sheep. The 2nd Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, January, 25-28th, 2007.
25. Abd El-Raof, Y.M. and **Ghanem, M.M.** (2007). Clinical, haematobiochemical and ultrasonographic study in abomasal displacement in cows with trials of treatment. The 2nd Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, January, 25-28th, 2007.
26. **Ghanem, M.M.** and Abd El-Raof, Y.M. (2007). Cryopreservation of rumen protozoa using three different cryoprotectants and successful refaunation of defaunated sheep. The 2nd Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, January, 25-28th, 2007.
27. El-Attar H.M., **Ghanem M.M.** and Abd El-Raof, Y.M. (2007). Clinical, biochemical and haematological studies on omasal impaction in cows (2007). The 2nd Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, January, 25-28th, 2007, pp. 438-450.
28. Lori A. Battelli, **Mohamed M. Ghanem**, Michael L. Kashon, Mark Barger, Jane Y.C. Ma, R.L. Simoskevitz, Philip R. Miles and Ann F. Hubbs (2008). Crystalline Silica is a Negative Modifier of Pulmonary Cytochrome P4501A1 Induction. *Toxicology and environmental health Part A*. 71: 521-532.
<http://www.ncbi.nlm.nih.gov/pubmed/18338287>
29. **Mohamed M. Ghanem**, Mervat E. Radwaan, Abdel Moneim M. Moustafa, Mohamed H. Ebeid (2008). Comparative therapeutic effect of toltrazuril, sulphadimidine and amprolium on *Eimeria bovis* and *Eimeria zuernii* given at different times following infection in buffalo calves (*Bubalus bubalis*). *Preventive Veterinary Medicine* 84:161-170.
<http://www.ncbi.nlm.nih.gov/pubmed/18262668>
30. **Mohamed M. Ghanem**, Ann F. Hubbs and Joginder Nath (2009). Effect of Intravenous Injection of Iron on Induced Pulmonary Cytochrome P450 1A1

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