

CURRICULUM VITAE

Mohamed Abdo Rizk (Ph.D.)

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1. Personal data

- Date of Birth** : February 8th, 1987
- Place of Birth** : El-Mansoura, El-Dakahlia, Egypt
- Nationality** : Egyptian
- Marital status** : Married, wife (Assistant Professor), two children
- Residence job address** : Department of Internal Medicine, Infections and Fish Diseases, Faculty of Veterinary Medicine, Mansoura University, Mansoura, 35516, Egypt
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- Web sites** : Google Scholar:
<https://scholar.google.co.jp/citations?user=LaEPZtEAAA&hl=en>
Research gate: https://www.researchgate.net/profile/Mohamed_Rizk7
Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56308646000>
- Personal statement** : A researcher with strong communication and organizational skills gained in molecular and therapeutic techniques. Performed my PhD at reference *Babesia* Lab. at National Research Center of Protozoan Diseases (NRCPD), Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan. Established and optimized the fluorescence-based high-throughput screening assay for large-scale drug screening against *Babesia* and *Theileria equi* parasites in vitro and against *Babesia microti* in mice.
- Native Language** : Arabic
- Foreign languages** : English (TOEFL iBT, score 70 and TOEFL preparation course, 470 degree), Japanese and French

2. Academic qualifications

- I. **Degree of Doctor of Philosophy in Vet. Med. Sciences (PhD.V.Sc).** Reference Babesia lab. (OIE), National Research Center of Protozoan Diseases (NRCPD), Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan and Mansoura University, Egypt (Channel mission). *Advanced Diagnostic and Therapeutic Techniques of Bovine Babesiosis*. (9th February 2016).
- II. **Degree of Master in Veterinary Sciences (M.V.Sc).** Faculty of Veterinary Medicine, Mansoura University, Egypt. *Clinical and Immunological studies in Bronchopneumonia in Calves with special reference to Pro-inflammatory mediators*. (16th June 2011).
- III. **Bachelor's degree (BVSc).** Faculty of Veterinary Medicine, Mansoura University, Egypt. (30th July 2008).

3. Academic and Administrative Positions

- I. **Assistant Professor.** Faculty of Veterinary Medicine, Mansoura University, Egypt. 30th March, 2016 till now.
- II. **Foreign Visiting Researcher.** National Research Center of Protozoan Diseases (NRCPD), Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan. 3rd October 2017 till 30th March 2018.
- III. **Foreign Visiting Researcher.** National Research Center of Protozoan Diseases (NRCPD), Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan. 1st July 2016 till 31st December 2016.
- IV. **Assistant lecturer.** Faculty of Veterinary Medicine, Mansoura University, Egypt. July, 2011 till March, 2016.
- V. **Demonstrator.** Faculty of Veterinary Medicine, Mansoura University, Egypt. November, 2008 till June, 2011.

4. Professional fellowships and grants of research

- I. **Fellowship from Japan Society for the Promotion of Science (JSPS)** for Postdoctoral Research (Standard program). (2018-2020)
- II. **Fellowship from the cultural affairs and missions sector, Egypt** to pursue doctoral degree (PhD) as channel mission at Obihiro University of Agriculture and Veterinary Medicine. (2013- 2015).

5. List of publications in Refereed International Journals

- 1) El-Salam El-Sayed SA, **Rizk MA***, Terkawi M, Igarashi I. Cocktail *Babesia bovis* antigens for global detection of *Babesia bovis* infection in cattle. *Exp Parasitol.* (2019);107758. **(Impact factor 1.85)**.
- 2) AbouLaila M.R, Menshawy S.M., **Rizk M.A.**, and Ikuo Igarashi. Honey inhibits the in vitro growth of four *Babesia* species and *Theileria equi*. *EVMPSJ* (2019); 51:02-02.
- 3) **Rizk M.A.**, El-SayedS.A.E-Salam, El-Khodery S., Yokoyama N., Igarashi I. Discovering the in vitro potent inhibitors against *Babesia* and *Theileria* parasites by repurposing the Malaria Box: A review. *Veterinary Parasitology* (2019); 274: 108895. **(Impact factor 2.009)**.
- 4) Nugraha AB, Tuvshintulga B, Guswanto A, Tayebwa DS, **Rizk MA**, Gantuya S, El-Saber Batiha G, Beshbishy AM, Sivakumar T, Yokoyama N, Igarashi I. Screening the Medicines for Malaria Venture Pathogen Box against piroplasm parasites. *Int J Parasitol Drugs Drug Resist.* (2019);10:84-90. **(Impact factor 2.951)**.
- 5) Elkenany R., Elsayed M.M, Zakaria A.I., El-sayed S.A.E., **Rizk M.A.*** Antimicrobial resistance profiles and virulence genotyping of *Salmonella enterica* serovars recovered from broiler chickens and chicken carcasses in Egypt. *BMC Veterinary Research* (2019); 15,1 124. **(Impact factor 1.958)**.
- 6) El-Sayed S.A.E.S., **Rizk, M.A.**, Yokoyama, N., & Igarashi, I. Evaluation of the in vitro and in vivo inhibitory effect of thymoquinone on piroplasma parasites. *Parasites & vectors* (2019) 12:37. **(Impact factor 3.163)**.
- 7) El-giously M., **Rizk M.A.**, El-Adl M., Elhadidy M.,_El-khodery S. The first molecular detection of *Clostridium perfringens* from pneumonic cases associated with foot and mouth disease in cattle and buffalo in Egypt. *Tropical Animal Health and Production* (2019); 51 (4): 847-852. **(Impact factor 0.975)**.
- 8) Kheira H.S., El-Sayed S.A.E.S., Elsayed G.R., **Rizk M.A.***. Dietary flaxseed oil inhibits kidney NF-kappa B activation and pro-inflammatory cytokine expression in cisplatin-treated rats. *Comparative Clinical Pathology* (2018); DOI: 10.1007/s00580-018-2871-6 **(Impact factor 0.49)**.
- 9) Atwa S.M., Emad Y.E., **Rizk M.A. ¶***, El-Beskawy M., Zeidan S.M. An epidemiological survey of bovine viral diarrhea infection in calves in Egypt with identification of high prevalence of persistent infected animals. *Comparative Clinical Pathology* (2018); DOI: 10.1007/s00580-018-2867-2 **(Impact factor 0.49)**.
- 10) **Rizk, M.A.**, AbouLaila, M., El-Sayed, S., Guswanto A., Yokoyama, N., & Igarashi, I. Inhibitory effects of fluoroquinolone antibiotics on *Babesia divergens* and *Babesia microti*,

blood parasites of veterinary and zoonotic importance. *Infection and Drug Resistance* (2018) 11: 1605–1615 (**Impact factor 3.443**).

11) El-gioushy M., **Rizk M.A.**^{†*}, El-Sayed, S.A.E.S., El-Nahas E.M. Animal level risk factors associated with foot -and- mouth disease in cattle and buffalo in Egypt. *Comparative Clinical Pathology* (2018) 6: 1675-1679 (**Impact factor 0.49**).

12) Hamed M., **Rizk M.A.**, Hafez A., El-Mahdi A.S., El-khodery S. A. Comparative effect of intravenous administration of medetomidine, tramadol and medetomidine/tramadol combination on intraocular pressure (IOP) in clinically healthy donkeys (*Equus a sinus*). *Journal of Equine Veterinary Science* (2018) 96:16-20 (**Impact factor 0.88**)

13) Tayebwa D.S., Tuvshintulga B., Guswanto A., Nugraha A.B., Batiha G.E., Gantuya S., **Rizk M.A.**, Vudriko P., Sivakumar T., Yokoyama N., Igarashi I. The effects of nitidine chloride and camptothecin on the growth of *Babesia* and *Theileria* parasites. *Ticks and Tick- borne Diseases* (2018) 9:1192-1201. (**Impact factor 3.23**).

14) El-Sayed, S.A.E.S., **Rizk, M.A.**^{†*}. Significance of selected biochemical markers in predicting the outcome of schistosomiasis. *Journal of Hellenic Veterinary Medical Society* (2018); 69, 739-748 (**Impact factor 0. 32**).

15) AbouLaila, M., **Rizk, M.A.**, El-Sayed, S., Yokoyama, N., & Igarashi, I. In vitro antiparasitic effects of six beverages on the growth of *Babesia* and *Theileria* parasites. *Annals of Complementary and Alternative Medicine* (2018); 3; 3-8.

16) Guswanto A., Nugraha A.B., Tuvshintulga B., Tayebwa D.S., **Rizk M.A.**, Batiha G.E., Gantuya S., Sivakumar T., Yokoyama N., Igarashi I. 17-DMAG inhibits the multiplication of several *Babesia* species and *Theileria equi* on in vitro cultures, and *Babesia microti* in mice. *IJP: Drugs and Drug Resistance* (2018); 8; 104–111. (**Impact factor 4.80**).

17) Ali, M.O., El-Adl, M.A., Ibrahim, H.M.M., ElSeedy, Y.Y., **Rizk, M.A.**, El-Khodery S. Molecular characterization of the vitamin D receptor (VDR) gene in Holstein cows. *Research in Veterinary Science* (2018), 118; 146-150. (**Impact factor 1.29**).

18) **Rizk, M.A.**, Osman S.A., El-Gaabary M.H., El-Khodery S. Comparative clinical and parasitological efficacy of moxidectin pour on, ivermectin and piprazine citrate on *Toxocara vitulorum* infection in buffalo calves (*Bubalus bubalis*): A randomized clinical trial. *Turkish journal of Veterinary and Animal Sciences* (2018) DOI: 10.3906/vet-1707-42. (**Impact factor 0.489**).

19) **Rizk, M.A.**, El-Sayed, S.A.E.S., AbouLaila, M., Eltayesh R., Yokoyama, N., & Igarashi, I. Performance and consistency of a fluorescence-based high-throughput screening assay for use in

Babesia drug screening in mice. Scientific Reports (2017) 7: 12774 | **(Impact factor 5.04)**.

20) Tuvshintulga B., AbouLaila M., Sivakumar T., Tayebwa, D.S., Gantuya S., Naranbaatar K., Ishiyama A., Iwatsuki M., Otaguro K., Ōmura S., Terkawi M.A., Guswanto A., **Rizk M.A.**, Yokoyama N., Igarashi I. Chemotherapeutic efficacies of clofazimine and diminazene aceturate combination against piroplasm parasites as AT-rich DNA-binding drugs. Scientific reports (2017) 7: 13888 | **(Impact factor 5.04)**.

21) **Rizk, M.A.***, Abdalla, A.A., El-Sayed, S.A.E.S. Evaluation of Ascorbic Acid in Combination of Ivermectin in Augmentation the Recovery from Juvenile Generalized Demodicosis in Dogs: A Randomized Clinical Trial. PSM Veterinary Research (2017); 2: 14-21

22) **Rizk, M.A.**, Salama A., El-Sayed, S.A.E.S., Elsify A., El-ashkar M., Ibrahim H., Youssef M., El-Khodery S. Animal level risk factors associated with *Babesia* and *Theileria* infections in cattle in Egypt. Acta Parasitologica (2017); 62: 4. **(Impact factor 1.29)**.

23) **Rizk, M.A.***, Mahmoud M.E., El-Sayed, S.A.E.S., Salman D. Comparative therapeutic effect of steroidal and non-steroidal anti-inflammatory drugs on proinflammatory cytokines production in water buffalo calves (*Bubalus bubalis*) naturally infected with bronchopneumonia: a randomized clinical trial. Tropical Animal Health and Production (2017); 49:1723–1731. **(Impact factor 0.975)**.

24) AbouLaila, M., Tuvshintulga, B., **Rizk, M.A.**, El-Sayed, S.A.E.S., Yokoyama, N., & Igarashi, I. Serum-free GIT medium for short-term in vitro cultures of *Babesia bigemina*, *Babesia divergens*, and *Theileria equi*. Journal of Protozoology Research (2017); 27: 13-22.

25) El-Sayed, S.A.E.S., **Rizk, M.A.**, Terkawi, M.A., Yokoyama, N., & Igarashi, I. Molecular identification and antigenic characterization of *Babesia divergens* Erythrocyte Binding Protein (BdEBP) as a potential vaccine candidate. Parasitology International (2017); 66, 721-726. **(Impact factor 1.744)**.

26) **Rizk, M.A.**, El-Sayed, S.A.E.S., AbouLaila, M., Yokoyama, N., & Igarashi, I. Evaluation of the inhibitory effect of N-acetyl-L-cysteine on *Babesia* and *Theileria* parasites. Experimental Parasitology (2017); 179, 43-48, **(Impact factor 1.85)**.

27) **Rizk, M.A.***, Ahmed, A., El-Sayed, S.A.E.S. A comparative study on selected APP, alkaline phosphatase and lactate dehydrogenase activities in buffalo and cow with subclinical mastitis. Comparative Clinical Pathology (2017); 26, 599-603. **(Impact factor 0.49)**.

28) **Rizk, M.A.**, El-Sayed, S.A.E.S., AbouLaila, M., Tuvshintulga, B., Yokoyama, N., & Igarashi, I. Large-scale drug screening against *Babesia divergens* parasite using a fluorescence-based high-throughput screening assay. Veterinary Parasitology (2016);277,93-97. **(Impact factor**

2.356).

- 29) Van Voorhis WC, Adams JH, Adelfio R, Ahyong V, Akabas MH, Alano P, Alday A, Alemán Resto Y, Alsibae A, Alzualde A, Andrews KT, Avery SV, Avery VM, Ayong L, Baker M, Baker S, Ben Mamoun C, Bhatia S, Bickle Q, Bounaadja L, Bowling T, Bosch J, Boucher LE, Boyom FF, Brea J, Brennan M, Burton A, Caffrey CR, Camarda G, Carrasquilla M, Carter D, Belen Cassera M, Chih-Chien Cheng K, Chindaudomsate W, Chubb A, Colon BL, Colón-López DD, Corbett Y, Crowther GJ, Cowan N, D'Alessandro S, Le Dang N, Delves M, DeRisi JL, Du AY, Duffy S, Abd El-Salam El-Sayed S, Ferdig MT, Fernández Robledo JA, Fidock DA, Florent I, Fokou PV, Galstian A, Gamo FJ, Gokool S, Gold B, Golub T, Goldgof GM, Guha R, Guiguemde WA, Gural N, Guy RK, Hansen MA, Hanson KK, Hemphill A, Hoof van Huijsduijnen R, Horii T, Horrocks P, Hughes TB, Huston C, Igarashi I, Ingram-Sieber K, Itoe MA, Jadhav A, Naranuntarat Jensen A, Jensen LT, Jiang RH, Kaiser A, Keiser J, Ketas T, Kicka S, Kim S, Kirk K, Kumar VP, Kyle DE, Lafuente MJ, Landfear S, Lee N, Lee S, Lehane AM, Li F, Little D, Liu L, Llinás M, Loza MI, Lubar A, Lucantoni L, Lucet I, Maes L, Mancama D, Mansour NR, March S, McGowan S, Medina Vera I, Meister S, Mercer L, Mestres J, Mfopa AN, Misra RN, Moon S, Moore JP, Morais Rodrigues da Costa F, Müller J, Muriana A, Nakazawa Hewitt S, Nare B, Nathan C, Narraido N, Nawaratna S, Ojo KK1, Ortiz D, Panic G, Papadatos G, Parapini S, Patra K, Pham N, Prats S, Plouffe DM, Poulsen SA, Pradhan A, Quevedo C, Quinn RJ, Rice CA, **Rizk M.A.**, Ruecker A, St Onge R, Salgado Ferreira R, Samra J, Robinett NG, Schlecht U, Schmitt M, Silva Villela F, Silvestrini F, Sinden R, Smith DA, Soldati T, Spitzmüller A, Stamm SM, Sullivan DJ, Sullivan W, Suresh S, Suzuki BM, Suzuki Y, Swamidass SJ, Taramelli D, Tchokouaha LR, Theron A, Thomas D, Tonissen KF, Townson S, Tripathi AK, Trofimov V, Udenze KO, Ullah I, Vallieres C, Vigil E, Vinetz JM, Voong Vinh P, Vu H, Watanabe NA, Weatherby K, White PM, Wilks AF, Winzeler EA, Wojcik E, Wree M, Wu W, Yokoyama N, Zollo PH, Abla N, Blasco B, Burrows J, Laleu B, Leroy D, Spangenberg T, Wells T, Willis PA. Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. *PLoS Pathogens* (2016);12, e1005763. **(Impact factor 7.64).**
- 30) Omar, M.A., Salama, A., Elsify, A., **Rizk, M.A.**, Al-Aboody, M.S., AbouLaila, M., El-Sayed, S.A.E.S., Igarashi, I., Evaluation of in vitro inhibitory effect of enoxacin on *Babesia* and *Theileria* parasites, *Experimental Parasitology* (2016); 161:62-7. **(Impact factor 1.724).**
- 31) El-Sayed, S.A., **Rizk, M.A.**, Terkawi, M.A., Mousa, A., El Said, E.S.E.S., Elsayed, G., Fouda, M., Yokoyama, N., Igarashi, I., Cocktail of *Theileria equi* antigens for detecting infection in equines. *Asian Pacific Journal of Tropical Biomedicine* (2015); 12: 977–981.

- 32) **Rizk, M.A.**, El-Sayed, S.A., Terkawi, M.A., Youssef, M.A., El Said el Sel, S., Elsayed, G., El-Khodery, S., El-Ashker, M., Elsify, A., Omar, M., Salama, A., Yokoyama, N., Igarashi, I., Optimization of a Fluorescence-Based Assay for Large-Scale Drug Screening against *Babesia* and *Theileria* Parasites. PLoS ONE (2015);10: 1-15. **(Impact factor 3.057)**.
- 33) Elsify, A., Sivakumar, T., Nayel, M., Salama, A., Elkhtam, A., **Rizk, M.**, Mosaab, O., Sultan, K., Elsayed, S., Igarashi, I. and Yokoyama, N., An epidemiological survey of bovine *Babesia* and *Theileria* parasites in cattle, buffaloes, and sheep in Egypt, Parasitology International (2015); 64:79-85. **(Impact factor 1.744)**.
- 34) Youssef, M.A., El-khodery, S.A., **Abdo M.**, A comparative study on selected acute-phase proteins (APPs) and immunoglobulins in buffalo and bovine calves with respiratory disease, Comparative Clinical Pathology (2015); 24:515–520. **(Impact factor 0.49)**.
- 35) Guswanto, A., Sivakumar, T., **Rizk, M.A.**, Elsayed, S.A.E., Youssef, M.A., ElSaid, E.E.S., Yokoyama, N. and Igarashi, I., Evaluation of a Fluorescence-Based Method for Antibabesial Drug Screening, Antimicrobial Agents and Chemotherapy (2014); 58: 4713-7. **(Impact factor 4.415)**.

¶ **Equally contributed with the first author**

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6. Revised manuscript is being under review in Refereed International Journals or still on the writing stage

1. Mohamed Abdo Rizk*, Shimaab Abd El-Salam El-Sayed, Sabry Elkhodery. Vitamin C impact on proinflammatory cytokines production in lambs with pneumonic pasteurellosis. Writing stage
2. Mahmoud AbouLaila, Amer AbdEl-Aziz, Mohamed Abdo Rizk, Davaasoren Batdorj, Shimaab El-Sayed, Naoaki Yokoyama, and Ikuo Igarashi. 2018. Evaluation of the in vitro and in vivo inhibitory effects of apigenin and gallic acid on the growth of *Babesia* and *Theileria* parasites. Writing stage
3. Mahmoud AbouLaila, Amer AbdEl-Aziz, Mohamed Abdo Rizk, Shimaab El-Sayed, Akram Salama, Davaasoren Batdorj, Naoaki Yokoyama, and Ikuo Igarashi. 2018. Evaluation of the in vitro and in vivo inhibitory effects of quercetin on the growth of *Babesia* and *Theileria* parasites. Writing stage
4. Shimaab Abd El-Salam El-Sayed, Mahmoud Rezk AbouLaila, Mohamed Abdo Rizk* , Ahmed O. ElKhatam, Mosaad Hilali , Azaa Abdel-Wahab. An epidemiological survey of *Theileria equi* parasite in horses, and donkeys in Egypt. Ready for submission to Tropical Animal Health and Production.
5. Assay Methods for Anti-piroplasma Drug Testing: Current Progress, and Challenges. Mohamed

Abdo Rizk, Shimaa Abd El-Salam El-Sayed, Medhat Nassif, J. Mosqueda, and Ikuo Igarashi.

Writing stage

¶ Equally contributed with the first author

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7. Editor in Refereed International Journals

1. Frontier in pharmacology (Impact factor 3.831; Review editor in Experimental Pharmacology and Drug Discovery)
2. Journal of Veterinary Research and Animal Husbandry
3. Journal of Veterinary and Animal Research
4. PSM Veterinary Research
5. Clinics in Medicine
6. SM Journal of General Medicine
7. SM Journal of Infectious Diseases
8. International Journal of Internal and Emergency Medicine
9. Annals of Short Reports
10. International journal of Infectious Diseases and Therapy (Science publishing group)
11. Journal of Medicine and Biological studies
12. SCIREA Journal of Animal Husbandry and Veterinary Medicine
13. CPQ Medicine Journal
14. Annals of Malaria Research
15. Journal of Zoological Research
16. Current Scientific Research in Biomedical Science (CSRBS)
17. Journal of Tropical Medicine and Health (Gavin publisher)
18. International Journal of Zoology and Animal Biology (Associate Editor)
19. CPQ Microbiology journal
20. Journal of Surgery: Current Trends & Innovations

8. Reviewer in Refereed International Journals

1. Acta Tropica (Impact factor 2.629)
2. Experimental Parasitology (Impact factor 1.859)
3. Clinical Epidemiology (Impact factor 3.799)
4. Clinical Pharmacology: Advances and Applications (Impact factor 3.04)
5. Drug Design, Development and Therapy (Impact factor 3.02)
6. Infection and Drug Resistance (Impact factor 3.443)

7. Journal of Inflammation Research (Impact factor 4.03)
8. Open Veterinary Journal
9. Veterinary Medicine: Research and Reports
10. SAJ Pharmacy and Pharmacology (SAJPP)
11. PSM Veterinary Research
12. Mansoura Veterinary Medical Journal

9. Reviewer assignments in Refereed International Journals

1. Comparative evaluation of three chemotherapeutic strategies for treatment of *Babesia gibsoni* infections in dogs (Experimental Parasitology-Invited to review October 2019)
2. An investigation on the existence and health hazards of fascioliasis among buffaloes in Sohag governorate, southern Egypt (PSM Veterinary Research-Invited to review September 2019)
3. Occurrence of Coagulase-negative Staphylococcal mastitis in dairy cows (Mansoura Veterinary Medical Journal- Invited to review August 2019)
4. Effects of TrxR amino acid mutation on enzyme activity in *Babesia microti* and the different roles of inhibitors (Acta Tropica- Invited to review July 2019)
5. Emerging fluorescent molecular tracers to guide intra-operative surgical decision-making (Frontier in pharmacology-Invited to review February 2019)
6. A fixed-dose combination, QX-OH/Levobupivacaine, produces long-acting local anesthesia in rats without additional toxicity (Frontier in pharmacology-Invited to review February 2019)
7. Occurrence, Risk Factors, and Health Hazards of Dictyocaulus filaria Infection in Goats in Qena Governorate, Southern Egypt (PSM Veterinary Research-Invited to review November 2018)
8. Ultrasonographic evaluation of accessory sex glands and testes of stallion during non-breeding season (PSM Veterinary Research-Invited to review October 2018)
9. The prevalence of Gasterophilus intestinalis (Diptera: Oestridae) in donkeys (*Equus asinus*) in Egypt with special reference to larvicidal effects of neem seed oil extract (*Azadirachta indica*) on third stage larvae (Open Veterinary Journal-Invited to review April 2018)
10. Evaluation of specific antibody response in backyard chickens to Infectious Bursal Disease live vaccine (PSM Veterinary Research-Invited to review March 2018)
11. Assessment of the effects of levosimendan and thymoquinone on lung injury after

myocardial ischemia reperfusion in rats (Drug Design, Development and Therapy-Invited to review November 2018)

12. Epidemiological factors and worldwide pattern of Middle East respiratory syndrome coronavirus from 2013 to 2016 (Clinical Epidemiology-Invited to review November 2017)
13. Microscopic and IFAT Based Incidence of Sarcocystis in Naturally Infected Buffaloes (*Bubalus bubalis*) at Sohag, Egypt (PSM Veterinary Research-Invited to review December 2017)

10. Teaching Experience

1. **Postgraduate level** (Practical and Theoretical courses of Internal Veterinary Medicine and Infectious Diseases for Diploma, master and PhD students). Faculty of Veterinary Medicine, Mansoura University, Egypt (2016 till now).
2. **Undergraduate level** (Practical and Theoretical courses of Internal Veterinary Medicine and Infectious Diseases for 4th and 5th level students). Faculty of Veterinary Medicine, Mansoura University, Egypt (2008 till now).

11. Conference and academic meetings

1. **The 3rd International Symposium on Strategies for the Control of Ticks and Tick-borne Diseases.** Discovering the potent inhibitors against piroplasmiasis by repurposing the Malaria box. **Mohamed Abdo Rizk**, Obihiro – Japan. Oral presentation. (25th September 2019).
2. **The 88th Annual Meeting of the Japanese Society of Parasitology.** Evaluation of the in vitro and in vivo inhibitory effect of Moringa Oleifera leaves on *Babesia* and *Theileria* parasites. **Rizk MA**, El-Sayed SAES, Yokoyama N, and Igarashi I.. Nagasaki – Japan. Oral presentation. (15th-17th March 2019).
3. **The 14th International Congress of Parasitology.** Inhibitory effects of thymoquinone on *Babesia* and *Theileria* parasites. **Rizk MA**, El-Sayed SAES, Yokoyama N, and Igarashi I.. Exco-Daegu – Korea. Oral presentation. (19th-24th August 2018).
4. **The 87th Annual Meeting of the Japanese Society of Parasitology.** Inhibitory effects of fluoroquinolone antibiotics on *Babesia divergens* and *Babesia microti*, blood parasites of veterinary and zoonotic importance. **Rizk MA**, El-Sayed SAES, Yokoyama N, and Igarashi I.. Tokyo – Japan. Oral presentation. (17th-18th March 2018).
5. **66th Annual Meeting of American Society of Tropical Medicine and Hygiene.** Large-scale drug screening against *Babesia divergens* parasite using fluorescence based high throughput screening assay. **Rizk MA**, El-Sayed SAES, Aboulalia M, Tuvshintulga B,

- Yokoyama N, and Igarashi I. USA. Poster. (5th- 9th November 2017).
6. **The 63rd Joint Annual Meeting of Northern Branches of the Japanese Society of Parasitology and the Japan Society of Medical Entomology and Zoology.** Performance and consistency of a fluorescence-based high-throughput screening assay for use in *Babesia* drug screening in mice. **Rizk MA**, El-Sayed SAES, Yokoyama N, and Igarashi I. Hokkaido university – Sapporo – Japan. Oral presentation. (21st-22nd October 2017).
 7. **57th Annual Meeting of Japanese Society of Tropical Medicine (JSTM) and 30th Annual Meeting of Japan Association for International Health (JAIH).** Effects of nitidine chloride and camptothecin on the growth of *Babesia* and *Theileria* parasites. Tayebwa DS, Tuvshintulga B, Guswanto A, **Rizk MA**, Sivakumar T, Yokoyama N, and Igarashi I.. Tokyo- Japan. Poster (1PO7-2). (5th – 6th November 2016).
 8. **The 56th Annual Meeting for Japanese Society of Tropical Medicine.** Repurposing the Malaria Box for discovery of the potent inhibitors against *Babesia* and *Theileria* parasites. Igarashi I., **Rizk M.A.**, El-Sayed SAES, Yokoyama N. Osaka, Japan. Oral presentation. (4th - 6th December 2015).
 9. **The 158th Congress of the Japanese Society of Veterinary Science.** Discovery of the potent inhibitors against *Babesia* and *Theileria* parasites by repurposing the Open Access Malaria Box. **Rizk MA**, El-Sayed SAES, Yokoyama N, and Igarashi I.. Kitasato University –Japan. Oral presentation. (7th – 9th September 2015).
 10. **55th Annual Meeting of Japanese Society of Tropical Medicine (JSTM) and 29th Annual Meeting of Japan Association for International Health (JAIH).** Optimization of a fluorescence-based assay for mass drug screening against *Babesia* and *Theileria* parasites. **Rizk MA**, El-Sayed SAES, Yokoyama N, and Igarashi I.. National center for global health and medicine – Tokyo –Japan. Oral presentation. (1st – 3rd November 2014).
 11. **The 157th Congress of the Japanese Society of Veterinary Science.** Evaluation of a fluorescence-based method for antibabesial drug screening. El-Sayed SAES, **Rizk MA**, Yokoyama N, and Igarashi I.. Hokkaido university – Sapporo – Japan. Oral presentation. (9th – 12th September 2014).
 12. **6th International conference- Faculty of Veterinary Medicine.** Comparative therapeutic effect of steroidal and non-steroidal anti-inflammatory drugs on acute phase protein levels in calves naturally infected with bronchopneumonia. **Rizk MA**, Youssef M, Elkhodery S.. Mansoura University, Egypt. Oral presentation. (22nd - 24th April 2009).

12. Memberships in Scientific Society

1. Member of Japanese Society of Veterinary Science
2. Member of Japanese Society of Tropical Medicine
3. Member of Japanese Society of Parasitology
4. Member of ACS Publications community

13. Scientific Courses and Workshops

1. **Mathematical and epidemiological modeling of infectious diseases- a hands-on-workshop-**. Cornell/Obihiro University of Agriculture and Veterinary Medicine. (26th – 29th March 2018).
2. **Use of technology in training.** Mansoura University, Egypt. (10th -11th January 2016).
3. **Preparation of university lecturer.** Mansoura University, Egypt. (3rd – 6th January 2016)
4. **Credit hours system.** Mansoura University, Egypt. (27th -28th December 2015).
5. **Competing for research fund.** Mansoura University, Egypt. (6th -7th December 2015).
6. **Human Development course in Leadership Development Institute.** Leadership Development Institute, Egypt. (19th – 22th October 2012).
7. **Presentation Skills.** Mansoura University, Egypt. (19th – 21st December 2010).
8. **Legal and Financial Aspects in University Environment.** Mansoura University, Egypt. (31st January to 2nd February 2010).
9. **Communication Skills in Different Teaching System.** Mansoura University, Egypt. (12nd - 14th July 2009).
10. **Scientific Conference Organization.** Mansoura University, Egypt. (21st -23rd June 2009).
11. **University Code of Ethics.** Mansoura University, Egypt. (8th – 10th October 2009).

14. International Clinical Training

1. Training in **Horse Clinic, University** of veterinary medicine Hannover – Hannover – Germany. (13th – 30th august 2013).
2. Training in **Small Animal Clinic, University** of veterinary medicine Hannover – Hannover – Germany. (31st august to 11th September 2013).

15. Projects

14.1. Project name : Study on the novel drug development with malaria box compounds against piroplasmosis

Country : Japan

Funding source : Medicines for Malaria Venture MMV Challenge Grant

Starting date : January 2014

Role : Main partner
Current status : Finished
14.2. Project name : **Gene expression and antibiotic resistance in cow and buffalo with mastitis**
Country : Egypt
Funding source : Science and Technology Fund (STDF)
Starting date : December 2012
Role : Researcher
Current status : Finished

16. Projects Under Eligibility and Waiting the Decision

Project name : **A continuous in vitro culture of *Babesia* and *Theileria* Egyptian strain for assessment of chemotherapeutic drugs or antibodies to recombinant vaccine candidates**
Country : Egypt
Funding source : Science and Technology Fund (STDF)
Role : PI

17. Scientific Awards

- The best PhD thesis in Mansoura University in 2016

18. International Co-operation Agreement

Co-operation Agreement name : Co-operation agreement between Faculty of Veterinary Medicine, Mansoura University, Egypt and National Research Center for Protozoan Diseases (NRCPD), Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan.

Role : Main Coordinator from the Egyptian side.

19. Thesis Supervision

- MVSC thesis presented by Nada Ahmed Amer, entitled “ Demiology and genetic analysis of bacteria associated with urinary tract infections in pets animals”
- PhD thesis presented by Heba Adel Mohamed, entitled “ Vitamin D receptor gene polymorphisms in immunological diseases in Equine”

20. References for contact

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