

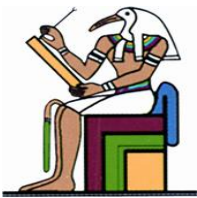
 <p>كلية الطب البيطري جامعة القاهرة</p>	<div style="border: 1px solid black; padding: 10px; display: inline-block;"> <h2 style="margin: 0;">وحدة ضمان الجودة</h2> </div>	 <p>جامعة القاهرة</p>
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Curriculum Vitae		
<i>personal Information</i>		
Name	Mohamed Ibrahim Gaber Shaalan	optional photo
Title	Lecturer	
Date of birth	03/07/1988	
Place of birth	Saudi Arabia	
Citizenship	Egyptian	
<i>Contact Information</i>		
Home phone		
Work phone		
Mobile phone	01151854844	
E-mail (s)	mohamedibrahim@cu.edu.eg	
Web site (s)	https://scholar.cu.edu.eg/?q=mohamedibrahim/	
Current Address	15 Cairo University street, Giza, Egypt	
<i>Educational Qualifications</i>		
B.Sc. in veterinary medical sciences, May 2010		
M.V.Sc. in veterinary pathology, January 2014.		
Doctoral degree in veterinary pathology, October 2017		
<i>Academic Positions</i>		
Demonstrator at the department of veterinary pathology,		Apr 2011- Feb 2014
Assistant lecturer at the department of veterinary pathology, faculty of veterinary medicine, Cairo University		Feb 2014- Dec 2017
Lecturer at the department of veterinary pathology, faculty of veterinary medicine, Cairo University, Egypt		
Dec 2017 – currently		

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Thesis Title	
Master thesis entitled "pathological studies on the toxic effects of silver nanoparticles in rats"	
Doctoral thesis entitled "Role of nanoparticles in fish diseases pathogenesis"	
Areas of experience	
Veterinary pathology, nanomedicine, nanotoxicology, fish diseases	
Projects	
Awards	
Cairo University Encouragement award	September 2018
EAFP student Award	June 2017
JCP Educational Trust Travel Bursary	June 2016, 2017
IATP Charles Capen Trainee Award	September 2016
Professional Qualifications	
Conferences	
(A) Conference proceedings:	
1- Sayed, G.I, Hassanien, A.E., Shaalan M.I " Particle Swarm Optimization and K-Means Algorithm for Chromosomes Extraction from Metaphase Images ", Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2017, 331-341.Springer International Publishing (2018)	
2- Adl, A., Shaheed I., Shaalan, M.I, Al-Mokaddem, A.K, Hassanien, A.E. " Digital Pathological Services Capability Framework ", Advanced Machine Learning Technologies and Applications.109 118.Springer International Publishing (2014)	



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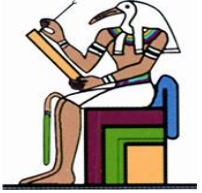


(B) Oral conference presentations:

- 1- Shaalan M. **Silver nanoparticles: Could they serve as the next antibacterials in fish medicine?**. The 10th HOPE meeting for Nobel laureates, (2018), Yokohama, Japan.
- 2- Shaalan, M., El-Mahdy, M., El-Matbouli, M., Saleh, M. “**Antibacterial Activity of Silver Nanoparticles Against *Aeromonas salmonicida* in Rainbow Trout**” the 18th International Conference on Diseases of Fish and Shellfish, (2017), Belfast, UK.
- 3- Shaalan, M., El-Mahdy, M., Saleh, M., El-Matbouli, M. “**Nanoparticles as a promising antipathogen in fish medicine**” the 16th Joint meeting of the German, Austrian and Swiss branches of the European association of fish pathologists (EAFP), (2016), Graz, Austria.
- 4- Shaalan, M. “**Overview on silver nanoparticles: Applications versus toxicity**”, the 24th congress of Egyptian society of animal reproduction and fertility, February (2014), Hurghada, Egypt.

(C) Posters:

- 1- Shaalan, M., El-Mahdy, M., El-Matbouli, M., Saleh, M. “**Silver nanoparticles: Assessment of bactericidal activity against *Aeromonas salmonicida* and *in vitro* cytotoxicity using the MTT assay in three different fish cell lines**”, European Society of Toxicologic Pathology meeting (2016), Barcelona, Spain.
- 2- Shaalan, M., El-Mahdy, M., El-Matbouli, M., Saleh, M “**Zinc oxide nanoparticles as a novel tool to combat *Yersinia ruckeri* and *Aphanomyces invadans***”, The combined European Society of Veterinary Pathology-European College of Veterinary Pathologists meeting (2016), Bologna, Italy. Abstract is published in journal of comparative pathology, DOI: 10.1016/j.jcpa.2016.11.056
- 3- Ali, M.A.S, Shaalan, M.I., Hassanien, A.E, Kim, T-H. “**A Simple Approach for Segmentation and Removal of Interphase Cells from Chromosome Images**”, COMCOMS (2015), Hanoi, Vietnam
- 4- Shaalan, M.I, El-Mahdy, M.M, Mohammed, F.F, Salah El-Din T.A. “**Pathological and clinicopathological studies on I/P injection of silver nanoparticles in rats**”. The 2nd international conference on animal and dairy sciences (2014), Hyderabad, India. Abstract is published in journal of veterinary science & technology, DOI: 10.4172/2157-7579.S1.007
- 5- Moftah, H, Ibrahim, M., Hassanien, A.E, Schaefer, G. “**Mammary Gland Tumor Detection in Cats using Ant Colony Optimisation**”, Recent advances in computer vision and pattern recognition (RACVPR2013) In Conjunction with ACPR2013, November 5th, (2013), Okinawa, Japan.

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<h3>Training courses</h3>
<h3>Computer Skills</h3> <p>ICDL certificate</p>
<h3>Language Skills</h3> <p>Arabic (Mother tongue), English (Fluent), German (intermediate)</p>
<h3>Professional Memberships</h3>
<ul style="list-style-type: none"> Member in the Egyptian Veterinary Medical Association for Pathology and Clinical Pathology Member in the Scientific Research Group in Egypt (SRGE) Member in the European association of fish pathologist (EAFP) Member in the national committee of oceanography and fisheries, Egypt JSPS HOPE fellow
<h3>Other activities</h3>
<h3>List of publications</h3> <ol style="list-style-type: none"> 1- Mahdy, O.A.*, Abdelsalam, M., Abdel- Maogood, S.Z., Shaalán, M., Salem, M.A (2021). First genetic confirmation of Clinostomidae metacercariae infecting Oreochromis niloticus in Egypt, <i>Aquaculture research</i>, accepted. 2- Abdel-Ghany, W., Shaalán, M.*, Salem, H.M. (2021) Nanoparticles applications in poultry production: An updated review, <i>World's poultry science journal</i>, 77(4). 3- Heba M Salem, Elshaimaa Ismael and Mohamed Shaalan* (2021) Evaluation of the Effects of Silver Nanoparticles Against Experimentally Induced Necrotic Enteritis in Broiler Chickens, <i>International Journal of Nanomedicine</i>, 16, 6783-6796 4- El-Saied, M., El-Mahdy, M., Sakr, E.E, Bastami, M., Shaalán, M.* (2021). Anatomopathological, ultrastructural, immunohistochemical and molecular characterization of infectious laryngotracheitis

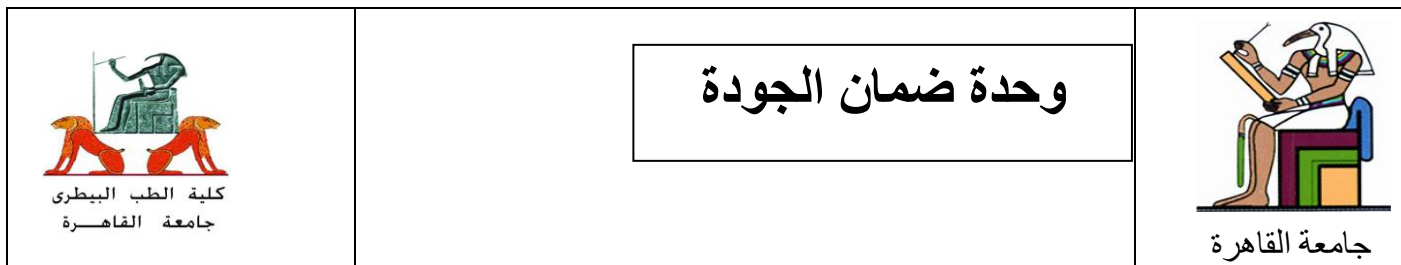


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outbreaks in poultry farms in Egypt (2018–2020), *Brazilian journal of veterinary pathology*, 14(2), 88-98

- 5- Mahdy, O.A*, Abdel- Maogood, S.Z., Abdelsalam, M., **Shaalán, M.**, Abdelrahman, H.A, Salem. M.A. (2021) Epidemiological study of fish- borne zoonotic trematodes infecting Nile tilapia with first molecular characterization of two heterophyid flukes, *Aquaculture research*, 52(9), 4475-4488.
- 6- Abu-Elala, N.M*, **Shaalán, M.**, Ali, S.E, Younis, N.A (2021) Immune responses and protective efficacy of diet supplementation with selenium nanoparticles against cadmium toxicity in *Oreochromis niloticus* *Aquaculture research*, 52 (8), 3677-3686. <https://doi.org/10.1111/are.15212>
- 7- Abuowarda, M.* , AbuBakr, H.O, Ismael, E., **Shaalán, M.**, Mohamed, M.A, Aljuaydi, S.H. (2021) Epidemiological and genetic characteristics of asymptomatic canine leishmaniasis and implications for human Leishmania infections in Egypt. *Zoonoses and public health*, 68 (5), 413-430. doi:10.1111/zph.12824
- 8- Abdel-moneam. D.A., Ibrahim, R.A., Nashaat, M., **Shaalán, M***. (2021) Multifactorial Causes of Mass Mortality in *Oreochromis niloticus* in Kafr El-Sheikh, Egypt. *Bulletin of the European association of fish pathologists*, 41(1), 6-16
- 9- Eliwa, M., Mahran, K.M.A*, Mousa, W.A, Hagag, N., **Shaalán, M.I**, Bashandy, M.M (2021) Ovine Theileriosis: Clinical, Pathological and Molecular Investigations. *Adv. Anim. Vet. Sci.* 9(4), 462-472 [Http://dx.doi.org/10.17582/journal.aavs/2021/9.4.462.472](http://dx.doi.org/10.17582/journal.aavs/2021/9.4.462.472)
- 10- El-Adawy, M.M., Eissa, A.E.* , **Shaalán, M.**, Younis, N., Ismail, M.M., Abdelsalam, M. (2021) Green synthesis and physical properties of Gum Arabic-silver nanoparticles and its antibacterial efficacy against fish bacterial pathogens. *Aquaculture research*, 52(3), 1247-1254
- 11- Lang, C.* , Mission, E.G., Fuaad, A.A.A, **Shaalán, M.** (2021) Nanoparticle tools to improve and advance precision practices in the Agrifoods Sector towards sustainability - A review. *Journal of cleaner production*, 293, 126063.
- 12- Farouk, M. M.* , El-Molla, A., Salib, F. A., Soliman, Y. A., **Shaalán, M.** (2020). The role of silver nanoparticles in a treatment approach for multidrug-resistant salmonella species isolates. *International Journal of Nanomedicine*, 15, 6993.
- 13- **Shaalán, M.***, Sellyei, B., El-Matbouli, M., Székely, C. (2020). Efficacy of silver nanoparticles to control flavobacteriosis caused by *Flavobacterium johnsoniae* in common carp *Cyprinus carpio*. *Diseases of aquatic organisms*, 137(3), 175-183.



14- **Shaalán, M.**, El-Mahdy, M., Theiner, S., Dinhopl, N., El-Matbouli, M.*, & Saleh, M. (2018). Silver nanoparticles: Their role as antibacterial agent against *Aeromonas salmonicida* subsp. *salmonicida* in rainbow trout (*Oncorhynchus mykiss*). *Research in veterinary science*, 119, 196-204.

15- **Shaalán, M.**, El-Mahdy, M., Saleh, M., El-Matbouli, M.* (2018). Aquaculture in Egypt: insights on the current trends and future perspectives for sustainable development. *Reviews in Fisheries Science & Aquaculture*, 26(1), 99-110.

16- **Shaalán, M. I.**, El-Mahdy, M. M., Theiner, S., El-Matbouli, M.*, Saleh, M. (2017). In vitro assessment of the antimicrobial activity of silver and zinc oxide nanoparticles against fish pathogens. *Acta Veterinaria Scandinavica*, 59(1), 1-11.

17- Abdelsalam, M., Elgendy, M. Y., **Shaalán, M.***, Moustafa, M., Fujino, M. (2017). Rapid identification of pathogenic streptococci isolated from moribund red tilapia (*Oreochromis* spp.). *Acta Veterinaria Hungarica*, 65(1), 50-59.

18- **Shaalán, M.**, Saleh, M., El-Mahdy, M., El-Matbouli, M.* (2016). Recent progress in applications of nanoparticles in fish medicine: a review. *Nanomedicine: Nanotechnology, Biology and Medicine*, 12(3), 701-710.

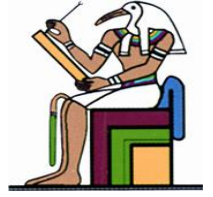
19- El Mahdy, M. M., Eldin, T. A. S., Aly, H. S., Mohammed, F. F.*, **Shaalán, M. I.** (2015). Evaluation of hepatotoxic and genotoxic potential of silver nanoparticles in albino rats. *Experimental and toxicologic pathology*, 67(1), 21-29.

Publications statistic							
Journal's Publication		Conference's Publication		Authors			Total
Local	International	Local	International	Single	Shared		
					Internal	External	
-	19	1	10	2	6	22	30



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