

Curriculum Vita

Dina Mahmoud Ahmed Metwally

General Informations

Current position	professor of Parasitology
Date of Birth	15 September 1976
Nationality	Egyptian
Address (Work)	Parasitology Department, Faculty of Veterinary Science, Zagazig University, Zagazig, Egypt
Tel (Mobile)	00966544204679
Email	mdbody7@yahoo.com
Website	https://fac.ksu.edu.sa/dhasanin
ORCID	https://orcid.org/0000-0001-6042-4137
Scopus ID	56166858200
Languages	• Arabic • English

Education

Ph.D.	2008, Parasitology, Department of Parasitology, Faculty of Veterinary Medicine, Zagazig University, Zagazig, Egypt
M.Sc.	2003, Parasitology, Department of Parasitology, Faculty of Veterinary Medicine, Zagazig University, Zagazig, Egypt
B.Sc.	1999, Faculty of Veterinary Medicine, Zagazig University, Zagazig, Egypt

Career History

Zagazig University, Faculty of Veterinary Medicine, Demonstrator of parasitology	2000 -2003
Zagazig University, Faculty of Veterinary Medicine, Assistant Lecturer of Parasitology	29/11/2003 to 18/3/2008
Zagazig University, Faculty of Veterinary Medicine, Lecturer of Parasitology	19/3/2008 to 9/4/ 2017
Zagazig University, Faculty of Veterinary Medicine, Assistant professor of Parasitology	10/4/2017-24/05/2022
Zagazig University, Faculty of Veterinary Medicine, professor of Parasitology	25/05/2022- Current
King Saud University Assistant professor of Parasitology	2013- 2017
King Saud University Associate professor of Parasitology	14/12/2017 to 09/08/2021

Committee Membership

No.	Committee Name	Membership
1	Graduate Studies and Research Committee (Research Project Study Committee)	Rapporteur-Education 7-to 2020
2	E-Learning Committee	appointed 2020-2021
3	Exams Committee	Rapporteur Second term 2021
4	ISO Committee	Member

		2019-2021
5	Study Plans and Learning Resources Committee	Member 2019
6	Laboratories, Hardware and Services Committee	Member 2017
7	Inventory Committee	Rapporteur 2017

Teaching activities

Course Code	Course Title	Credits (Lectures- Practical)
Master's Degree Courses		
ZOO 510	Advanced Parasitology	3 (2+1)
ZOO 511	Applied Entomology and Parasitology	2 (1+1)
ZOO 512	Physiology of Parasites	3 (2+1)
ZOO 515	Parasites Ecology	3 (2+1)
ZOO 518	Advanced Techniques in Entomology or Parasitology	1 (1+0)
ZOO 565	Immuno-parasitology	3 (2+1)
ZOO 599	Research project	4
ZOO 109	Biology	3 (2+1)
ZOO 597	Selected Topics in Zoology	1
ZOO 498	Graduation Research Project	1
ZOO 103	Principals of General Zoology	3 (2+1)
ZOO 212	Parasitology	3 (2+1)
Zoo 311	General Entomology	3 (2+01)
Zoo 600	Thesis	1
B- PHD's Degree Courses		
ZOO 611	Applied Entomology and	2 (2+0)

	Parasitology (Advanced)	
Zoo 700	Dissertation	6 (0+6)

Training courses

I. At King Saud University

1. Competitive Research program of projects
2. Credit hours program
3. Effective Presentation program
4. ICDL Computer
5. Program of scientific publishing
6. The examination systems and evaluate the students
7. The use of technology in teaching
8. Learning-based brainstorming (25-26/12/2013 for a total of 10 training hours) at King Saud University.
9. Search in databases and digital libraries (2-3/9/2014 for a total of 8 training hours) at King Saud University.
10. Digital photos manipulation by Photoshop (14-16/9/2014 for a total of 10 training hours) at King Saud University.
11. Safe and comfortable learning context (10/03/2014 for a total of 3 training hours) at King Saud University.
12. Learning theories (26/10/2014 for a total of 3 training hours) at King Saud University.
13. Feedback as a tool for better learning (29/10/2014 for a total of 3 training hours) at King Saud University.
14. Publication in international periodicals (8/10/2015 for a total of 8 training hours) at King Saud University.

15. الأبحاث المختلطة عمادة تطوير المهارات بتاريخ 24 - 24/03/1441

16. التدريس المصغر عمادة تطوير المهارات بتاريخ 25 - 25/06/1441

17. الاختبارات الالكترونية في نظام ادارة التعلم "بلاك بورد" عمادة تطوير المهارات بتاريخ 19/06/1441

18. الاشراف العلمي على طلاب الدراسات العليا عمادة تطوير المهارات بتاريخ 24/06/1441

19. دورة إلكترونية في: الكتب الإلكترونية التفاعلية عمادة التعاملات الإلكترونية و الاتصالات فبراير 2020

II. At Zagazig University

20. برنامج إدارة الوقت والاجتماعات فيا لفترة من ١٤-١٥/٠٧/٢٠١٥ بمركز تنمية قدرات أعضاء هيئة التدريس والقيادات بجامعة الزقازيق.
21. برنامج سلوكيات المهنة في الفترة من ٢٦-٢٧/٠٧/٢٠١٥ بمركز تنمية قدرات أعضاء هيئة التدريس والقيادات بجامعة الزقازيق.
22. برنامج نظم الامتحانات وتقييم الطلاب في الفترة من ٢٨-٢٩/٠٧/٢٠١٥ بمركز تنمية قدرات أعضاء هيئة التدريس والقيادات بجامعة الزقازيق.
23. برنامج نظام الساعات المعتمدة في الفترة من ٩-١٠/٠٨/٢٠١٥ بمركز تنمية قدرات أعضاء هيئة التدريس والقيادات بجامعة الزقازيق.
24. برنامج مهارات العرض الفعال في الفترة من ١١-١٢/٠٨/٢٠١٥ بمركز تنمية قدرات أعضاء هيئة التدريس والقيادات بجامعة الزقازيق.
25. دورة تدريبية ب عنوان:
التقويم الذاتي لمؤسسات التعليم العالي في الفترة من ٢-٤/٠٨/٢٠١٥ بالهيئة لقومية لضمان جودة التعليم والاعتماد
جامعة الزقازيق.
26. دورة بعنوان Scientific writing and reference management أون لاین بمركز تنمية قدرات أعضاء هيئة التدريس بجامعة الزقازيق في الفترة من 20-23 اكتوبر 2020.
27. دورة بعنوان "إدارة الوقت والاجتماعات" أون لاین بمركز تنمية قدرات أعضاء هيئة التدريس بجامعة الزقازيق في الفترة من 14-17 اكتوبر 2020.
28. اجتازت دورة بعنوان "الجوانب المالية والقانونية في الأعمال الجامعية" (فترة مسائية) أون لاین بمركز تنمية قدرات أعضاء هيئة التدريس بجامعة الزقازيق في الفترة من 14-17 اكتوبر 2020.
29. اجتازت دورة بعنوان " التعليم الإلكتروني E- Learning" (فترة مسائية) أون لاین بمركز تنمية قدرات أعضاء هيئة التدريس بجامعة الزقازيق في الفترة من 19-22 يناير 2021.
30. اجتازت دورة بعنوان " إعداد المشروعات التنافسية لتمويل البحوث (فترة صباحية) أون لاین بمركز تنمية قدرات أعضاء هيئة التدريس بجامعة الزقازيق في الفترة من 15-18 يونيو 2021.
31. اجتازت الدورة التدريبية في إستراتيجيات التدريس في الفترة من 07-08/08/2021.

Conferences Attendance

1. The 5th Annual Scientific Conference of Egyptian Medical Association (KIDNEY in DANGER) (8-10 May 2014). Makarem Hall, Marriott Hotel, Riyadh, KSA

2. The 2nd Saudi International Conference on Scientific publishing (11-13 Oct.2015) in Riyadh-King Saud University
3. The 2nd International Conference for Date Palm (10-12 Oct.2016) in The College of Agriculture and Veterinary Medicine-Qassim University.
4. The Six International Date Palm Conference. Emirates Palace-Abu Dhabi-United Arab Emirates. 19-21/03/2018.
5. Food safety and the role of the Food and Drug Authority Department of Chemistry - College of Science - King Saud University 15/03/2017.
6. The future of agriculture, water and the environment in light of the Kingdom's vision 2030, King Khalid Cultural Center in the Qassim region - 14-15/2/2017 Buraidah.
7. 8th International Conference on Water Resources and Arid Environments. 22 -24 January 2019.

Workshops

1. Workshop on (Cell Culture Technique) on 2/1/2013 at King Saud University Center of Science and Medical Colleges.
2. Introduction to diagnostic procedures in parasitology on 19/12/2013 at King Saud University Center of Science and Medical Colleges.
3. Knowledge Industry System Workshop “University-Society-Industry-Partnership to Build a Community” on Sunday 7 Muharram 1435 AH corresponding to November 10, 2013 AD at King Saud University
4. Attending the (Third Forum for Research Chairs in the Kingdom) held on 13-14 Rajab, 1435 corresponding to 12-13 May, 2014 at King Saud University.
5. How to write a local or international research project equivalent to 8 hours. Wednesday 9 Jumada Al-Akher, 1435 corresponding to April 9, 2014. Research Center of Departments of Science and Medical Studies at King Saud University
6. A workshop on how to activate the research partnership between King Faisal Specialist Hospital and King Saud University, equivalent to 2 hours, on April 6,

2015 corresponding to 06/17/2014, Research Center for Departments of Science and Medical Studies at King Saud University

7. Participation in the workshop (Your health matters to us) on 29/01/1439 at the Eighty-Eighth Secondary School

8. Organization and participation in the workshop “Clinical Techniques of Parasitology” 26/11/2017 at King Saud University.

9. Organization and participation in the workshop “Application of nanotechnology in the treatment of infectious diseases” 20/01/2019 at King Saud University.

10. - Attending a workshop “Introduction to the different ProQuest rules” which was held on Tuesday 12/05/2020 by the Deanship of Library Affairs.

Membership in Scientific Societies

1- Member of the General Syndicate of Veterinarians

2- Member of the Veterinarians’ Syndicate at Al-Sharkia Province, Egypt

3- Member of the Egyptian Veterinary Medical Association for Parasitology at Suez Canal University, known as No. (250) for the year 1999 AD.

Patens (2019-2021)

1. Ali HS, Alajmi RA, Yehia HM, El-Din MF, Elkhadragey MF, Awad MA, Hasanin DM, inventors; King Saud University, assignee. Guava seed (*Psidium guajava*) nanoparticles as antibacterial agent. United States patent US 10,206,417. 2019 Feb 19.
2. Registered patent number US Bureau of 32903.69 in 2018 entitled Effect of methanolic Grape Seed *Vitis vinifera* L Nparticles on Some Food Pathogenic and Contaminated Bacteria. Published Jan.28, 2020.
3. Mangosteen nanoparticles. United States patent US 10,898,533. Tuesday, January 26, 2021.

List of Publications

No.	Title	Date of publication	Journal	IF	Rank
1.	Alajmi, R. A., Barakat, I. A., Alfozan, L., Mahmoud, A., Layqah, L., Yehia, H. M., & Metwally, D. M. (2022). Microbiological investigation study for <i>Apis mellifera yemenitica</i> and <i>Apis mellifera carnica</i> bee venoms on selected bacterial strains.	March 3, 2022	Brazilian Journal of Microbiology, 1-6. https://link.springer.com/article/10.1007/s42770-021-00656-3		Q3
2.	Al-Nabati, E., Alajmi, R., Metwally, D. M. , Al-Turaiki, I. M., Tellez-Isaias, G., & Abdel-Gaber, R. (2022). Molecular Detection of Tick-Borne Rickettsial Pathogens Associated with the Arabian Camel (<i>Camelus dromedarius</i>) in Riyadh and the Eastern Region, Saudi Arabia.	Feb 2, 2022	Acta Parasitologica, 1-8.		Q3
3.	Metwally, D. M. , Alajmi, R., Alsulami, M. N., Al-Turaiki, I. M., Abdel-Gaber, R., Alkhuriji, A. F., ... & El-Ashram, S. (2021). Identification of <i>Theileria</i> spp. in sheep and goats from	December 10, 2021	PEER J	2.38	Q2

	Jeddah, Saudi Arabia, using molecular techniques. PeerJ, 9, e12596.				
4.	IDENTIFICATION OF APHID SPECIES ISOLATED FROM TOMATO CROPS USING PHYLOGENETIC APPROACHES IN RIYADH AND HAFAR AL-BATIN, SAUDI ARABIA	July, 2021	Fresenius Environmental Bulletin	0.50	Q4
5.	Baghdadi, H. B., Omer, E. O., Metwally, D. M., & Abdel-Gaber, R. (2021). Prevalence of Head Lice (<i>Pediculus humanus capitis</i>) infestation among schools workers in the Eastern Region, Saudi Arabia.	June, 2021	Saudi Journal of Biological Sciences. https://doi.org/10.1016/j.sjbs.2021.06.013	2.802	Q2
6.	Stink bug <i>Agonoscelis</i> spp. (Heteroptera: Pentatomidae) – An emerging threat for seed production in alfalfa crop (<i>Medicago sativa</i> L.) and their successful management	June, 2021	Saudi Journal of Biological Sciences https://doi.org/10.1016/j.sjbs.2021.03.013	2.802	Q2

7.	Effectiveness of naturally occurring <i>Aphis gossypii</i> on tomato plants as a bio-indicator for heavy metals in Riyadh and Hafar Al-Batin, Saudi Arabia	17 April, 2021	Saudi Journal of Biological Sciences https://doi.org/10.1016/j.sjbs.2021.04.027	2.802	Q2
8.	Farmers' knowledge, perception, and management of mango mealy bug, <i>Drosicha mangiferae</i> Green (Hemiptera: Monophlebidae), on <i>Mangifera indica</i> in Punjab, Pakistan	April, 2021	Saudi Journal of Biological Sciences http://dx.doi.org/10.1016/j.sjbs.2021.03.061	2.802	Q2
9.	Hemipterous bug (<i>dysdercus koenigii</i>) (hemiptera: pyrrhocoridae) and boll rot disease of cotton (<i>Gossypium hirsutum</i>) grown in the field	April, 2021	Saudi Journal of Biological Sciences http://dx.doi.org/10.1016/j.sjbs.2021.03.066	2.802	Q2
10.	Molecular Identification of <i>Trypanosoma evansi</i> Isolated from Arabian Camels (<i>Camelus dromedarius</i>) in Riyadh and Al-Qassim, Saudi Arabia	April, 2021	Animals 2021, 11(4), 1149; https://doi.org/10.3390/ani11041149	2.323	Q1
11.	Successful management strategies for <i>Agonoscelis</i> sp. (Heteroptera: Pentatomidae) in Alfalfa	March 2021	Saudi Journal of Biological Sciences http://dx.doi.org/10.1016/j.sjbs.2021.03.013	2.802	Q2
12.	Prevalence Rate and Molecular Characteristics of	March, 2021	Animals 2021, 11(3), 689; https://doi.org/10.3390/ani11030689	2.323	Q1

	<i>Oestrus ovis</i> L.(Diptera, Oestridae) in Sheep and Goats from Riyadh, Saudi Arabia				
13.	ESTIMATION OF GENETIC COMPONENTS AND HETEROSIS FOR NURSERY TRAITS IN TOMATO HYBRIDS (SOLANUM ESCULENTUM, MILL)	February 2021	Fresenius Environmental Bulletin	0.50	Q4
14.	Silver Nanoparticles Biosynthesized with <i>Salvia officinalis</i> Leaf Exert Protective Effect on Hepatic Tissue Injury Induced by <i>Plasmodium</i> <i>chabaudi</i>	04 February 2021	Frontiers in veterinary science https://doi.org/10.3389/ fvets.2020.620665	2.245	Q1
15.	Effect of host plant on cornucopia of mango fruit flies (Diptera: Tephritidae) and their triumphant management in context of climate change	February 2021	Saudi Journal of Biological Sciences http://dx.doi.org/10.1016/ j.sjbs.2021.01.033	2.802	Q2
16.	Dina M. Metwally, Tahani T. Al-Otaibi, Abdelhabib Senglali, Reem A. Alajmi;	19 January 2021	Bioscience Reports	2.535	Q3

	<i>Sarcocystis camelicanis</i> increases interleukin (IL)-6 expression in one-humped camels (<i>Camelus dromedarius</i>) from Riyadh and Al Qassim, Saudi Arabia. Biosci Rep 29 January 2021; 41 (1): BSR20203140.		https://doi.org/10.1042/BSR20203140		
17.	Alajmi, R., Alotaibi, F., Ahmed, A., Alkuriji, M., Alrajeh, A., Metwally, D., ... & Almutairi, B. (2020). Gene expression as age estimation marker in the larval stages of the forensic blowfly, <i>Chrysomya albiceps</i> , at different temperatures.	2020	Journal of Forensic and Legal Medicine, 102096.	1.302	Q3
18.	Fayeza Alotaibi, Mohammed Alkuriji, Salwa AlReshaidan, Reem Alajmi, Dina M Metwally, Bassam Almutairi, Majed Alorf, Rania Haddadi, Ashraf Ahmed, Body Size and Cuticular Hydrocarbons as Larval Age Indicators in the Forensic Blow Fly, <i>Chrysomya albiceps</i> (Diptera: Calliphoridae)	December 4, 2020	Journal of medical Entomology https://doi.org/10.1093/jme/tjaa256	1.925	Q1
19.	El-Khadragy, M. F., Al-Megrin, W. A., Alomar, S., Alkhuriji, A. F., Metwally, D.	November 23, 2020	Chemico-Biological Interactions, p.109333.		Q2

	M., Mahgoub, S., ... & Albeltagy, R. S. (2020). Chlorogenic acid abates male reproductive dysfunction in arsenic-exposed mice via attenuation of testicular oxido-inflammatory stress and apoptotic responses. <i>Chemico-Biological Interactions</i> , 109333.				
20.	Metwally, D. M., Al-Otaibi, T. T., Albasyouni, S. A., El-Khadragy, M. F., & Alajmi, R. A. (2020). Prevalence of eimeriosis in the one-humped camels (<i>Camelus dromedarius</i>) from Riyadh and Al-Qassim, Saudi Arabia. <i>PeerJ</i> , 8, e10347.	November, 2020	PEERJ	2.38	Q2
21.	Dina M. Metwally, Reem A. Alajmia , Manal F. El-Khadragy, Hany M. Yehiaf , Wafa A. AL-Megrin , Ahmed M.A. Akabawy , Hatem K. Amin , Ahmed E. Abdel Moneim.(2020).Chlorogenic acid confers robust neuroprotection against arsenite toxicity in mice by reversing oxidative	2020	Journal of Functional Foods	3.701	Q2

	stress, inflammation, and apoptosis				
22.	El-Ashram, Saeed; Zhang, Yu; Ji, Yongsheng; et al. (2020).A rapid and simple single-step method for the purification of Toxoplasma gondii tachyzoites and bradyzoites.	2020	Veterinary Medicine and Science	0.954	Q3
23.	Manal El-khadragy , Wafa A. Al-Megrin,1 Norah A. AlSadhan, Dina M. Metwally , Rehab E. El-Hennamy, Fatma Elzahraa H. Salem, Rami B. Kassab , and Ahmed E. Abdel Moneim.(2020). Impact of Coenzyme Q10 Administration on Lead Acetate Induced Testicular Damage in Rats.	2020	Oxidative Medicine and Cellular Longevity Volume 2020, Article ID 4981386, 12 pages https://doi.org/10.1155/2020/4981386	4.868	Q2
24.	Wafa A. AL-Megrin, Suliman Alomar, Afrah F. Alkhuriji, Dina M. Metwally, Shima K. Mohamed, Rami B. Kassab, Ahmed E. Abdel Moneim and Manal	2020	IUBMB LIFE https://doi.org/10.1002/iub.2311	3.051	Q2

	F. El-Khadragy. (2020). Luteolin protects against testicular injury induced by lead acetate by activating the Nrf2/HO-1 pathway				
25.	AL-Megrin WA, Soliman D, Kassab RB, Metwally DM, Abdel Moneim AE and El-Khadragy MF . Coenzyme Q10 Activates the Antioxidant Machinery and Inhibits the Inflammatory and Apoptotic Cascades Against Lead Acetate-Induced Renal Injury in Rats	2020	Frontiers in Physiology https://doi.org/10.3389/fphys.2020.00064	3.201	Q2
26.	Wafa A. AL-Megrin , Afrah F. Alkhuriji , Al Omar S. Yousef , Dina M. Metwally , Ola A. Habotta , Rami B. Kassab , Ahmed E. Abdel Moneim and Manal F. El-Khadragy . Antagonistic Efficacy of Luteolin against Lead Acetate Exposure-Associated with Hepatotoxicity is Mediated via Antioxidant, Anti-Inflammatory, and Anti-Apoptotic Activities.	2020	Antioxidants 2020, 9, 10; https://doi:10.3390/antiox9010010	4.520	Q2

27.	Wafa A. AL-Megrin1 , Norah A. AlSadhan2 , Dina M. Metwally3,4, Razan A. Al-Talhi3 , Manal F. El-Khadragy1,5 and Lina J. M. Abdel- Hafez6. Potential antiviral agents of <i>Rosmarinus officinalis</i> extract against herpes viruses 1 and 2	2020	Bioscience Reports (2020) 40 BSR20200992 https://doi.org/10.1042/ BSR20200992	2.535	Q3
28.	Dina M. Metwally, Tahani T. Al-Otaibi, Isra M. Al-Turaiki, Manal F. El- Khadragy and Reem A. Alajmi. Identification of <i>Sarcocystis</i> spp. in one-humped camels (<i>Camelus dromedarius</i>) from Riyadh and Dammam, Saudi Arabia, via histological and phylogenetic approaches	2020	https://www.mdpi.com/ 2076- 2615/10/7/1108/pdf	1.382	Q1
29.	Wafa A AL-Megrin,a Dina M Metwally,b,c Ola A Habotta,d Hatem K Amin,e Ahmed E Abdel Moneimf and Manal El-khadragya,f. Nephroprotective effects of chlorogenic acid against sodium arsenite-induced oxidative stress,	2020	J Sci Food Agric 2020 DOI 10.1002/jsfa.10565	2.614	Q2

	inflammation, and apoptosis				
30.	Zainab Mohammad, Reem Alajmi, Mohammed Alkuriji, Dina Metwally, Walid Kaakeh and Nasser Almeaiweed. (2020).Role of <i>Chrysomya albiceps</i> (Diptera: Calliphoridae) and <i>Musca domestica</i> (Diptera: Muscidae) Maggot CropContents in Identifying Unknown Cadavers	2020	Journal of Medical Entomology	1.925	Q1
31.	Metwally, D. M., Al-Damigh, M. A., Al-Turaiki, I. M., & El-Khadragy, M. F. Molecular Characterization of <i>Sarcocystis Species</i> Isolated from Sheep and Goats in Riyadh, Saudi Arabia	2019	Animals 2019, 9, 256; doi:10.3390/ani9050256	1.382	Q1
32.	Yousef, S., Omar, A., A Fahad, A., Abdel Moneim, A. E., Metwally, D. M., El-khadragy, M. F., & Kassab, R. B. The Neuroprotective Role of Coenzyme Q10 Against Lead Acetate-Induced Neurotoxicity Is Mediated by Antioxidant, Anti-Inflammatory, and Anti-Apoptotic Activities	2019	International journal of environmental research and public health, 16(16), 2895.	2.468	Q2

33.	Metwally, D. M., Al-Talhi, R. A., Barakat, I. A., & ElKhadragy, M. F. (2019). Effects of Eugenol on <i>Haemoproteus columbae</i> in domestic pigeons (<i>Columba livia domestica</i>) from Riyadh, Saudi Arabia.	2019	Bioscience reports, 39(5), BSR20190409.	2.535	Q3
34.	Alajmi, R. A., AL-Megrin, W. A., Metwally, D., Hind, A. S., Altamrah, N., Barakat, A. M., ... & El-Khadragy, M. Anti-Toxoplasma activity of silver nanoparticles green synthesized with <i>Phoenix dactylifera</i> and <i>Ziziphus spina-christi</i> extracts which inhibits inflammation through liver regulation of cytokines in Balb/c mice.	2019	Bioscience reports, 39(5), BSR20190379.	2.535	Q3
35.	Metwally, D. M., Al-Enezy, H. A., Al-Turaiki, I. M., Elkhadragey, M. F., Yehia, H. M., & Al-Otaibi, T. T.	2019	Bioscience reports, BSR20181224.	2.535	Q3
36.	Metwally, D. M., Qassim, L. E., Al-Turaiki, I. M., Almeer, R. S., & El-Khadragy, M. F. (2018). Gene-based molecular analysis of COX1 in <i>Echinococcus granulosus</i> cysts	2018	PloS one, 13(4), e0195016-e0195016.	2.776	Q1

	isolated from naturally infected livestock in Riyadh, Saudi Arabia				
37.	Metwally DM, Al-Olayan EM, Alanazi M, Alzahrany SB, Semlali A. Antischistosomal and anti-inflammatory activity of garlic and allicin compared with that of praziquantel in vivo	2018	BMC complementary and alternative medicine. 2018 Dec;18(1):135.	2.479	Q1
38.	El-khadragy, M.; Alolayan, E.M.; Metwally, D.M.; El-Din, M.F.S.; Alobud, S.S.; Alsultan, N.I.; Alsaif, S.S.; Awad, M.A.; Abdel Moneim, A.E. Clinical Efficacy Associated with Enhanced Antioxidant Enzyme Activities of Silver Nanoparticles Biosynthesized Using Moringa oleifera Leaf Extract, Against Cutaneous Leishmaniasis in a Murine Model of <i>Leishmania major</i> .	2018	Int. J. Environ. Res. Public Health 2018, 15, 1037.	4.183	Q2
39.	Elkhadragy, M. F., Kassab, R. B., Metwally, D., Almeer, R. S., Abdel-Gaber, R., Al-Olayan, E. M., ... & Moneim, A. E. A. (2018). Protective effects of <i>Fragaria ananassa</i> methanolic extract in	2018	Bioscience reports, 38(6), BSR20180861.	2.535	Q3

	a rat model of cadmium chloride-induced neurotoxicity				
40.	Metwally, D. M., Al-Olayan, E. M., Alshalhoop, R. A., & Eisa, S. A. (2018). Biomarkers as predictive tools to test the in vivo anti-sarcoptic mange activity of propolis in naturally infested rabbits.	2018	Bioscience reports, 38(6), BSR20180874.	2.535	Q3
41.	Almeer, R., Soliman, D., Kassab, R., AlBasher, G., Alarifi, S., Alkahtani, S., ... & Abdel Moneim, A. (2018). Royal Jelly Abrogates Cadmium-Induced Oxidative Challenge in Mouse Testes: Involvement of the Nrf2 Pathway.	2018	International Journal of Molecular Sciences, 19(12), 3979.	4.183	Q1
42.	Metwally, D. M., Al-Olayan, E. M., El-Khadragy, M. F., & Alkathiri, B. Anti-leishmanial activity (in vitro and in vivo) of allicin and allicin cream using <i>Leishmania major</i> (Sub-strain Zymowme LON4) and BALB/c mice.	2017	PloS one, 11(8), e0161296.	2.776	Q1

43.	Alkathiri, B., El-Khadragy, M. F., Metwally, D. M., Al-Olayan, E. M., Bakhrebah, M. A., & Abdel Moneim, A. E. Pomegranate (<i>Punicagranatum</i>) Juice Shows Antioxidant Activity against Cutaneous Leishmaniasis-Induced Oxidative Stress in Female BALB/c Mice.	2017	International journal of environmental research and public health, 14(12), 1592.	2.468	Q2
44.	Yehia, H. M., Al-Olayan, E. M., El-Khadragy, M. F., & Metwally, D. M. (2017). <i>In Vitro</i> and <i>In Vivo</i> Control of Secondary Bacterial Infection Caused by <i>Leishmania major</i> .	2017	International journal of environmental research and public health, 14(7), 777.	2.468	Q2
45.	Al-Olayan, E. M., & Metwally, D. M. Role of some stressful ecological factors on cultured Nile tilapia in relation to metacercarial affections	2015	International Journal of Advanced Research (IJAR), 3(9), 398-401.		
46.	Al-Olayan, E. M., El-Khadragy, M. F., Metwally, D. M., & Moneim, A. E. A. (2014). Protective effects of pomegranate (<i>Punica granatum</i>) juice on	2014	. BMC complementary and alternative medicine, 14(1), 164.	2.479	Q1

	testes against carbon tetrachloride intoxication in rats.				
47.	Abd El-Galil S.Y., Metwally, D. M, AlShammary S.N. Seroprevalence of TORCH infection in Hail, Saudi Arabia with special reference to detection of Toxoplasma IgG and IgM in patient serum by using ELISA.	2014	MITTEILUNGEN KLOSTERNEUBURG. 64 (9), 263-275		
48.	Metwally, D. M., &Alolayan, E. M. Immunoassay of IL- 10 and IL-2 in mice model vaccinated with killed <i>Leishmania major</i> vaccine.	2014	International Journal of Advanced Research, 2(12), 669-677		
49.	Al-Olayan, E. M., Metwally, D. M., &Alabooshkh, F. Sero-epidemiological studies of toxoplasmosis among pregnant women in Hail region Saudi Arabia.	2013	J Am Sci, 9(12), 619- 25		

Graduate Students Supervision

A- PHD Degree

1. Morphological and molecular characterization of parasites infecting blood of the Arabian Camel (*Camelus dromedarius*) in Riyadh and Eastern Regions, Saudi Arabia

B- Master Degree

1. Antiparasitic Effects of *Allium sativum* on *Schistosoma mansoni* in Female Balb /c Mice

2. Therapeutic efficacy of Propolis (Bee glue) on the control of common mites in naturally infested rabbits
3. Molecular Characterization of Hydatid Cysts Isolated from Naturally Infected Camels, Sheep,
4. Morphological and Molecular Characterization and Goats using the Mitochondrial COX1 gen of *Sarcocystis* spp. Isolated from Naturally Infected Sheep and Goats
5. Morphological and Molecular Characterization of *Sarcocystis* and *Eimeria Species* Isolated from Naturally Infected Camels in Saudi Arabia
6. Molecular identification of *Hymenolepis nana* in mice and rats based on *cox1* gene in selected regions in the Kingdom of Saudi Arabia
7. The efficacy of *Eugenia caryophyllata* against *Haemoproteus columbae* of the domestic pigeon *Columba liviadamestica*
8. Prevalence and molecular identification of nasal myiasis causing larvae in sheep and goats in Riyadh, Saudi Arabia

List of Publications under press (2022)

1. Reem A. Alajmi, **Dina M. Metwally**, Isra M. Al-Turaiki, Billy M. Hargis, Saeed El-Ashram Morphological and phylogenetical identification of *Wohlfahrtia magnifica* (Diptera: Sarcophagidae), a myiasis-causing flesh fly, in Riyadh, Saudi Arabia. Under press in frontiers in veterinary science.
2. Molecular identification and genetic variation of *Musca domestica* and *Musca sorbens* in Saudi Arabia based on two mitochondrial genes: Co1 and 16S rRNA barcodes. Under press in International Journal of Tropical Insect Science.

Community Services

1. Presenting a lecture entitled: “How to find a suitable journal to publish your work?”

This is within the activities of the Scientific Posters Week on November 26, 2019.

2. Presenting a lecture entitled: “Team-Based Learning (TBL)” in the Cultural Programs of the Deanship of Library Affairs on Tuesday 16/2/1441 AH from 11-12 noon in Building 23, the ground floor of the Cultural Oasis.

3. Presenting a lecture entitled:” Methods of publishing in the first quarter journals (How to publish in Q1 journals)” at the Scientific and Medical Studies Research Center, within a series of several researcher series at King Saud University.

4. Presenting a lecture entitled: “How to be a reviewer?” at Research Center for Scientific and Medical Studies within a series of several researcher at King Saud University.

5. Presenting a lecture entitled:” How to protect yourself from infectious diseases”

at The College of Science as part of the 2030 Generation Exhibition program organized by the Infectious Diseases Vaccine Research Chair - College of Science - King Saud University.

Zoology Department Services

1. Preparing a booklet that includes all the slides of parasites, insects, histology, and genetics, during

My work as a rapporteur for the inventory committee for the academic year 37/38.

2. Presenting a lecture entitled: Creative Commons

https://www.youtube.com/watch?v=FtNvJ_u3clE

3. Presenting a lecture entitled How to record your screen using screencastify and Loom programmes:

<https://www.youtube.com/watch?v=6bFwDVocjcg>

4. Presenting a lecture entitled How to join your Blackboard with the desktop

<https://www.youtube.com/watch?v=YBEHke-5Nb0>

5. Presenting a lecture entitled How to upload 1000 questions on the blackboard in minutes:

<https://www.youtube.com/watch?v=cyoNDrqXHiQ>