



السيرة الذاتية

لأستاذ الدكتور/ محمد صلاح الدين محمد عياط

أستاذ إنتاج ورعاية الحيوان

تاريخ الميلاد: ١٩٥٢/٧/٦

محل الميلاد: الزقازيق

عنوان العمل: كلية الزراعة، جامعة الزقازيق، الزقازيق، مصر

تليفون العمل: ٢٢٨٢٣٦٠ / ٠٥٥ / ٠٠٢

فاكس: ٢٢٨٧٥٦٧ / ٠٥٥ / ٠٠٢

تليفون المنزل: ٢٣٦٣٦٥١ / ٠٥٥ / ٠٠٢ -- ٢٧٣٦١٠١ / ٠٢ / ٠٠٢

جوال: ٠١٠٧٥٣٥٣٣٥ / ٠٠٢

بريد اليكترونى: ayyatm@yahoo.com or ayyatm@gmail.com ayyat@zu.edu.eg

الوظيفة الحالية: رئيس قسم الإنتاج الحيوانى، وأستاذ إنتاج ورعاية الحيوان بكلية الزراعة جامعة الزقازيق.

الوقع الاليكترونى: www.ayyat.4t.com www.staff.zu.edu.eg/ayyat / or

المؤهلات الدراسية:

- (١) بكالوريوس العلوم الزراعية جامعة الزقازيق ١٩٧٥.
- (٢) ماجستير في العلوم الزراعية (تغذية حيوان)، جامعة الزقازيق ١٩٨٠.

(٣) دكتوراه في العلوم الزراعية (إنتاج لحم)، الأكاديمية الزراعية في روسيا البيضاء ١٩٨٦.

التدرج الوظيفي تنازليا:

- (١) أستاذ رعاية ونظم الإنتاج الحيوانى - قسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق، من ٢٠١٢/٧/٣١ وحتى الآن.
- (٢) رئيس قسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق، من ٢٠٠٦/١٠/١٧ وحتى ٢٠١٢/٧/٣١.
- (٣) أستاذ إنتاج ورعاية الحيوان بقسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق، من فبراير ١٩٩٧ وحتى الآن.
- (٤) الاعارة للجماهيرية العربية الليبية للعمل أستاذ رعاية الحيوان فى كلية الطب البيطرى - جامعة الفاتح - طرابلس - ليبيا، وذلك لتدريس مقررات إنتاج ورعاية وأمراض الأسماك ومقرر رعاية حيوانات المزرعة فى خلال العام الجامعى ٢٠٠٣ - ٢٠٠٤.
- (٥) أستاذ مساعد إنتاج ورعاية الحيوان بقسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق، من ١٩٩١ إلى يناير ١٩٩٧.
- (٦) مدرس الإنتاج الحيوانى بقسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق، من ١٩٨٦ إلى ١٩٩١.
- (٧) مدرس مساعد بقسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق، من ١٩٨٠ إلى ١٩٨٢ ثم السفر فى بعثة تعليمية للحصول على الدكتوراه.
- (٨) معيد بقسم الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق من أكتوبر ١٩٧٥ إلى ١٩٨٠.

الخبرات

- ١- عضو اللجنة الدائمة لترقية السادة أعضاء هيئة التدريس بدورتها الحادية عشر لجنة رقم ٤١ (لجنة الإنتاج الحيوانى والدواجن والأسماك).
- ٢- المساهمة فى وضع اللوائح التعليمية لقسم الإنتاج الحيوانى بكلية الزراعة - جامعة الزقازيق. وكذلك المساهمة فى تطوير وتحديث المقررات الدراسية فى مجال الإنتاج الحيوانى بكلية الزراعة - جامعة الزقازيق
- ٣- الانتداب لتدريس مقررات إنتاج ورعاية الحيوان بكلية الطب البيطرى - جامعة الزقازيق.
- ٤- الانتداب لتدريس مقررات الدراسات العليا: إنتاج ورعاية ماشية اللحم - إنتاج ورعاية ماشية اللبن بكلية الزراعة - جامعة طنطا.
- ٥- اعداد مقرر رعاية وأمراض الأسماك فى كلية الطب البيطرى جامعة الفاتح - ليبيا.
- ٦- الاشراف على مزارع الإنتاج الحيوانى بكلية الزراعة جامعة الزقازيق.
- ٧- الاشراف على مزارع الإنتاج الحيوانى بمحافظة الشرقية بجمهورية مصر العربية سابقا.

- ٨- الاشراف على عدد من مزارع الإنتاج الحيوانى الخاصة بجمهورية مصر العربية.
- ٩- عضو فى بعض الجمعيات العلمية مثل: جمعية الأرناب العالمية - جمعية الأرناب المصرية - جمعية الإنتاج الحيوانى المصرية.
- ١٠- المحرر العلمى لبحوث الإنتاج الحيوانى لمجلة الزقازيق للإنتاج الحيوانى والداجنى - كلية الزراعة جامعة الزقازيق.
- ١١- المحرر العلمى **Middle East and North Africa Journal of Animal Science**.
- ١٢- المحرر العلمى **The Global Journal of Fisheries and Aquaculture Researches**.
- ١٣- المحرر العلمى **Mediterranean Aquaculture Journal**.
- ١٤- رئيس تحرير مجلة **International Journal of Interdisciplinary Research and Innovations**.
- ١٥- المعرفة التامة وخبرة جيدة فى مجال استخدام الحاسوب برامج (Microsoft windows (XP) Microsoft office (Word, Excel, Power point) - برامج التحليل أحصائى مثل SAS وبرنامج SPSS وبرنامج أحصائى MXM - برامج Data Base ومبادئ عن برنامج Animal model.
- ١٦- التدريس بالجامعة فى مجالات إنتاج ورعاية الحيوان وإنتاج ورعاية الأسماك وأساسيات الإنتاج الحيوانى والمجازر ومخلفات الحيوان وماشية اللحم وإنتاج لحم ولبن وكذلك الحاسب الآلى التطبيقى التخصصى فى كليات الزراعة جامعة الزقازيق وكلية الزراعة جامعة طنطا وكلية الطب البيطرى جامعة الزقازيق وكلية الطب البيطرى جامعة الفاتح منذ عام ١٩٧٥ وحتى تاريخه ٢٠٠٥.
- ١٧- تدريس مقررات الدراسات العليا بالقسم إنتاج الأسماك - صيد ومصايد - أسماك مياه عذبة ومالحة - بيولوجى أسماك - إنتاج ماشية اللحم - إنتاج ماشية اللبن - رعاية مزارع الإنتاج الحيوانى.
- ١٨- الاشراف على رسائل الماجستير والدكتوراه بكلية الزراعة بجامعة الزقازيق (أكثر من ٧٠ رسالة ماجستير ودكتوراه) وكذلك جامعة طنطا.
- ١٩- حضور العديد من المؤتمرات العلمية الدولية والمحلية.
- ٢٠- حضور حلقة دراسية متقدمة عالمية عن إنتاج اللحوم وجودتها فى أسبانيا.
- ٢١- تحكيم العديد من الأبحاث فى المجالات العلمية مختلفة منها المجلة العالمية للأرناب (**World Rabbit Science**) - مجلة التغذية والأعلاف المصرية - مجلة العلوم التطبيقية بجامعة الزقازيق - مجلة العلوم الزراعية بجامعة الزقازيق - مجلة المصرية لعلوم الأرناب - المجلة التطبيقية للاستزراع السمكى (**Journal of Applied Aquaculture**).
- ٢١- تحكيم العديد من الرسائل العلمية (ماجستير أو دكتوراه فى جامعات مصر المختلفة).

- ٢٢- تحكيم الإنتاج العلمى لعدد من السادة اعضاء هيئة التدريس المتقدمين لشغل وظائف أعلى وذلك عن طريق اللجان العلمية الدائمة فى جمهورية مصر العربية.
- ٢٣- تحكيم الإنتاج العلمى لعدد من السادة اعضاء هيئة التدريس المتقدمين لشغل وظائف أعلى فى بعض الدول العربية مثل العراق واليمن.
- ٢٤- تحكيم مشاريع تطبيقية لصندوق التنمية والتكنولوجيا والعلوم (STDF)، وزارة البحث العلمى.
- ٢٥- المستشار العلمى لشركة بيرو للإضافات الغذائية.
- ٢٦- المستشار العلمى لشركة نماء لتنمية الثروة السمكية والحيوانية.
- ٢٧- حضور عدد من الدورات التدريبية فى مجال إعداد دراسات البعد البيئى للمشاريع الصناعية والزراعية والسمكية فى جهاز البيئة التابع لوزارة البيئة
- ٢٨- منسق لنشاط الاسماك والصيد فى مشروع التنمية الساحلية المتكاملة لمنطقة بورسعيد التابع للاتحاد الاوربى بالتعاون مع جامعة الزقازيق.
- ٢٩- محاضر فى العديد من الدورات التدريبية فى مجال الإنتاج الحيوانى والأسماك فى جمهورية مصر العربية وخارجها.
- ٣٠- تصميم عدد من مشاريع الإنتاج الحيوانى والأسماك فى مصر.

الكتب المطبوعة فى دور النشر

- ١- اساسيات الإنتاج الحيوانى.
- ٢- إنتاج ماشية اللحم (٢٠٠٦/٣٩٧٠).
- ٣- المجازر ومخلفاتها (٢٠٠٦/٣٩٦٩).
- ٤- اتطبيقات فى استخدام الحاسب (٢٠٠٦/٣٩٦٨).
- ٥- إنتاج ورعاية وأمراض الأسماك (٢٠٠٦/٣٩٧١).
- ٦- إنتاج ورعاية ماشية اللبن (٢٠٠٦/٧٠٧٢).
- ٧- برامج الحاسب وتطبيقاتها (٢٠٠٩/٣٤٤٤) ترقيم دولى ٣-٠٢-٥٥٩١-٩٧٧

نشر أكثر من ٨٨ بحثا (مختلف تخصصات الإنتاج الحيوانى) فى مختلف الدوريات العلمية العالمية والمحلية وكذلك المؤتمرات العالمية.

الأبحاث المنشورة

الأبحاث مقسمة على أساس مجال التخصص ومرتبعة تبعا لسنوات النشر من الأقدم إلى الأحدث.

Online Articles

- 1- Ayyat M.S., El-Marakby H.I.and Safaa M. Sharaf. Effect of ozone and stocking fish density rates on growth performance, blood

components and water quality of Nile tilapia (*Oreochromis niloticus*). 05/15/2012. <http://en.engormix.com/MA-aquaculture/articles/ozone-water-treatment-t2175/p0.htm>

- 2- Ayyat, M.S. (2010). Studies on counteracting the dietary mercury toxicity in Nile tilapia (*Oreochromis niloticus*) - 04/22/2010. http://en.engormix.com/MA-aquaculture/articles/studies-counteracting-dietary-mercury_1504.htm
- 3- Ayyat M.S., Safaa M. Sharaf, Fayza S. Abbas and El-Marakby H.I. (2010). Reductions of dietary lead toxicity in Nile Tilapia (*Oreochromis niloticus*) 19/04/2010. http://en.engormix.com/MA-aquaculture/articles/reductions-dietary-lead-toxicity_1502.htm
- 4- Ayyat M.S. (2010). Penifical effects of natural clays in pollution reduction - 05/13/2010. http://en.engormix.com/MA-feed-machinery/formulation/articles/penifical-effects-natural-clays_1515.htm
- 5- A. I. Attia, M. S. Ayyat (Zagazig University), A. A. Bakir and A. A. El – Zaiat (Animal Production Research Institute, Dokki, Giza, Egypt), (2011). The role of clay or vitamin E in silver montazah layer hens fed on diets contaminated by lead at various levels. **Published on:** 11/07/2011. <http://en.engormix.com/MA-poultry-industry/nutrition/articles/the-role-clay-vitamin-t1972/141-p0.htm>
- 6- [Prof. Dr. Ayyat Mohamed Salah](#) (Zagazig University), El-Marakby H.I.(Central Laboratory for Aquaculture Research, Egypt), and Safaa M. Sharaf (Suez Canal University) (2011). Effect of Dietary Protein Level, Stocking Density and Dietary Pantothenic Acid Supplementation Rate on Growth Performance and Blood Components of Nile Tilapia (*Oreochromis niloticus*). **Published on:** 12/20/2011. <http://en.engormix.com/MA-aquaculture/articles/dietary-protein-requirements-of-tilapia-t1990/p0.htm>

List of publications:

1. Mabrouk, M.M., Abdel Hakim, N.F., Hussein, M.S., Zaghoul, A.M. and Ayyat, M.S. (2016). Effects of magnetic water technique on growth performance, feed utilization, water quality and some blood parameters of Nile tilapia (*Oreochromis niloticus*) fry under different stocking density. *Zagazig Journal of Animal and Poultry Production*, 43 (5): 1615-1626.
2. Abd Elrahman, M. A., Goda, A.M.A-S., Abd Rhman, G.A. and Ayyat, M.S. (2016). Effect of water salinity and NaCl supplementation on growth performance, feed utilization, blood constituents and body composition of Nile tilapia, *Oreochromis niloticus*. *Zagazig Journal of Animal and Poultry Production*, 43 (3): 939-953.
3. Hemat A. Abd El-Salam, Hemat K.E. Mahmoud, Abd El-Rahman G.A. and Ayyat M.S. (2015). Effects of stocking density and dietary protein level on

- growth performances, feed utilization, blood parameters and body composition of mono-sex male Nile tilapia, *Oreochromis niloticus* (L.). Zagazig Journal of Agricultural Research, 42 (4), 779-789.
4. Ayyat M.S., Abd Rhman G.A., El-Marakby H.I., Nagwa A.B. El-Hakem and Amira A.A. Hessian. (2014). Toxicity and biochemical hazards induced by exposure of Nile tilapia to aflatoxin and their amelioration " Global Journal of Environmental Sciences and Toxicology, Vol. 1 (2): 1-19.
 5. Elsayed M. Abou El-Fotoh, M.S. Ayyat, G.A. Abd El-Rahman and M.E. Farag (2014). Mono sex male production in Nile tilapia (*Oreochromis niloticus*) using different water temperatures. Zagazig Journal of Agricultural Research, 41(1), 65-72.
 6. Ayyat M.S., Abd Rhman G.A, El-Marakby H.I. and Amira A.A. Hessian (2014). Aflatoxin toxicity in Nile tilapia and its reduction by using coumarin and vitamin E. Zagazig Journal of Agricultural Research, 41 (1): 73-83.
 7. M.S. Ayyat; G.A. Abd Rhman; H.I. El-Marakby; Hemat K. Mahmoud and Amira A.A. Hessian (2013). Reduction the aflatoxin toxicity in Nile tilapia fish. Egyptian J. Nutrition and Feeds (2013), 16(2) Special Issue: 469-479.
 8. Ismail M. Abd El-Razik, Abd El-Rahmen G.A. and Ayyat M.S. (2012). Effect of biological and chemical treatments of rice straw on lamb performance. Zagazig J. Agric. Res., Vol. 39 No. (4): 655-664.
 9. Ayyat M.S., El-Marakby H.I. and Safaa M. Sharaf (2012). Stocking density as stress factors and amelioration its effect by dietary vitamin C supplementation on Nile tilapia (*Oreochromis niloticus*). Egyptian Journal of Nutrition and Feeds, Vol 15 (1): 325-336.
 10. Al-Zahaby M.A., Ayyat M.S., Abd El-Rahman G.E. and Shalaby A.M.E. (2011). Haematotoxic And Biochemical Hazards Induced By Long-Term Exposure Of Female Nile Tilapia (*Oreochromis niloticus*) To Carbofuran. Zagazig J. Agric. Res., Vol. 38 No. (5): 1251-1270.
 11. El-Sayed A. El-Sayed, Mohamed S. Ayyat, El-Sayed Nasr and Zeinab Z.K. Khater (2011). Assessment of heavy metals in water, sediment and fish tissues, from Sharkia province, Egypt. Egyptain Journal of Aquatic Biology and Fisheries, 15 (2): 125-144.
 12. Ayyat M. S.; H. I. El-Marakby; Safaa M. Sharaf (2011). Effect of Dietary Protein Level, Stocking Density, and Dietary Pantothenic Acid Supplementation Rate on Performance and Blood Components of Nile Tilapia *Oreochromis niloticus*. Journal of Applied Aquaculture, 1545-0805, Volume 23 (2): 122 – 135.
 13. El-Marakby H.I., Ayyat M.S., Abd El-Rahman M. Abd El-Rahman and Abd EL-Rahman G.A. (2011). The effect of replacing fish-meal with soybean-meal on growth performance, feed utilization, blood parameters and body composition of Nile tilapia *Oreochromis niloticus*. Zagazig Journal of Agricultural Research, 38 (2): 443-464.

14. Ayyat M.S., El-Marakby H.I. and Safaa M. Sharaf (2010). Effect of dietary pantothenic acid supplementation and water temperature on growth performance and blood components of Nile tilapia (*Oreochromis Niloticus*). Egyptian Journal of Nutrition and Feeds, Vol 13 (3): 577-588.
15. Ayyat M.S., El-Marakby H.I. and Safaa M. Sharaf (2009). Effect of dietary pantothenic supplementation and water temperature in growth performance and blood components of Nile tilapia fish. Asian Pacific Aquaculture, 2009, World Aquaculture Society, Kuala Lumpur, Malaysia, November 3-6, 2009, p. 95 (Abstract).
16. Ayyat M.S., El-Marakby H.I., Fayza M. Abbas, Safaa M. Sharaf and Salwa M. Hamdey (2009). Effect of dietary energy level and water temperature on growth performance of Nile tilapia (*Oreochromis nilotius*). Egyptian Journal of Nutrition and Feeds, Vol 12, 3 (Special Issue): 905-918.
17. Ayyat M.S. and T.A. El-Aasar (2008). Effect of season of the year and dietary zinc supplementation on doe and buck performance of New Zealand White rabbits, under Egyptian conditions. Egyptian Journal of Rabbit Science, 18: 1-14.
18. Ayyat M.S., Abd El-Rahman G.A., Faten F.M. Abou Ammou and Hafez Y.H. (2007). Effect of dietary yeast culture supplementation on ewe performance under Egyptian conditions. Zagazig Journal of Agricultural Research, 34 (6): 1129-1144.
19. Ayyat, M.S., H.A. Gabr, A.E. Nasr and Hemat K.E. Mahmoud (2007). Effect Of Dietary Energy Levels, Vitamin B5 Supplementation And Stocking Density On Nile Tilapia (*Oreochromis Niloticus*) Growth Performance. Zagazig Journal of Agricultural Research, 34 (2): 275-290.
20. Marai I.F.M., M.S. Ayyat, and U.M. Abd El-Monem (2006). Growth performance, blood components and slaughter traits of New Zealand White male growing rabbits as affected by dietary supplementation with calcium, sodium or potassium, in sub-tropical Egypt. Tropical and Subtropical Agroecosystems 6 (2006): 149-155, Mexico.
21. Ayyat M.S., Bakir A. A., Attia A. I. and El-Zaiat A. A. (2005). The role of clay or vitamin E in silver montazah layer hens fed on diets contaminated by lead at various levels. 1- Performance and egg components. Hungarian Animal Production Journal (ALLATTENYÉSZTÉS ÉS TAKARMÁNYOZÁSA), 54 (1): 81-92.
22. Attia A. I., Ayyat M. S., Bakir A. A. and El-Zaiat A. A. (2005) The role of clay or vitamin e in silver montazah layer hens fed on diets contaminated by lead at various levels. 2- Carcass characteristics, blood components and lead residues in the tissues and eggs. Hungarian Animal Production Journal (ALLATTENYÉSZTÉS ÉS TAKARMÁNYOZÁSA), 54 (2): 179-190.
23. M.S. Ayyat, A.A.M Bakir and A.A. El-Zaiat. (2005). Monocrotophos effects on chick performance and their amelioration by using natural clay. Egyptian Journal of Nutrition and Feeds, 8 (Especial Issue): 693-705.

24. Ayyat M.S. and El-Marakby H.I. (2005). Studies on counteracting the dietary mercury toxicity in Nile Tilapia (*Oreochromis niloticus*). Egyptian Journal of Nutrition and Feeds, 8 (Especial Issue): 1129-1144.
25. Sonbol S.M., Ayyat M.S., Askar A.A. and El-Mez E.M.M. (2005). Effect of vitamin A levels on the performance of growing rabbits. Zagazig Journal of Agricultural Research, 32 (1): 219-232.
26. Ayyat M.S., Gad H.A.M., El-Aasar T.A. and Abd El-Monem U.M. (2004). Alleviation of heat-stressed growing rabbits by using some feed additives Under Egyptian condition. Egyptian Journal of Nutrition and Feeds, 7 (1), 83-96.
27. Marai I.F.M., Ayyat M.S., Abd El-Monem U.M.A. (2004) Heat stress and its limitation of feed with zinc and magnesium, in growing male New Zealand White rabbit, in sub-tropical conditions of Egypt (Stress da calore e sua limitazione tramite integrazione dietetica con zinco e magnesio, in conigli maschi New Zealand White in accrescimento, in condizioni temperate e calde in Egitto). *Rivista di Coniglicoltura* (Italy), 41(3): 41-45.
28. Ayyat M.S., Abdel-Rahman G.A., Hasona E.M. and Deif A.M.M., (2004). Effect dietary energy level and fibre level and zinc supplementation on rabbit performance, under Egyptian conditions. Zagazig Journal of Agricultural Research, 31 (6): 2905-2927.
29. Marai I.F.M., Ayyat M.S. and Abd El-Monem U.M. (2004). Stress da calore e sua limitazione tramite integrazione dietetica con zinco e magnesio, in conigli maschi New Zealand White in accrescimento, in condizioni temperate e calde in Egitto " Heat stress and its alleviation by using dietary supplementation with zinc and magnesium, in New Zealand White male broiler rabbits, during winter and summer of Egypt". *Rivista Di Coniglicoltura* (Italy), 3: 41-45.
30. Abdel-Rahman G.A., Ayyat M.S., Merghanny M.M. and Sanaa G. Edrees, (2004). Study on some factors affecting on growth of fish. Zagazig Journal of Agricultural Research, 31 (2): 633-654.
31. Ayyat M.S., Fayza S. Abbas, Safaa M. Sharaf and El-Marakby H.I. (2004). Growth performance, feed utilization and blood components of Nile tilapia *Oreochromis niloticus* as affected by dietary protein source and zinc supplementation. Journal of Egyptian Academic Society Environmental Development, (B- Aquaculture), 5 (1): 1-15.
32. Ayyat M.S., Safaa M. Sharaf, Fayza S. Abbas and El-Marakby H.I. (2003). Reductions of dietary lead toxicity in Nile Tilapia (*Oreochromis niloticus*). Proceeding of The 10th Scientific Conference on Animal Nutrition. 14 – 18 October, 2003, Hurghada, Egypt.
33. Ayyat M.S., H.A.M. Gad, T.A. El-Aasar and U.M. Abd El-Monem (2003). Alleviation of heat-stressed growing rabbits by using some feed additives under Egyptian condition . Proceeding of The 10th Scientific Conference on Animal Nutrition, Hurghada, Egypt.

34. Ayyat M.S., Khalil B.A., Hamouda I.A., Gabr H.A. and Seaf El-Naser M.I. (2003). Effect dietary protein and energy levels and vitamin supplementation on rabbit performance, under Egyptian conditions. *Zagazig Journal of Agricultural Research*, 30 (6): 2257-2278.
35. Ayyat M.S., Abdel-Rahman G.A., Abdel-Monem U.M. and Abdel-Hady I.M. (2003). Using by-products for feeding growing rabbits under Egyptian conditions. *Zagazig Journal of Agricultural Research*, 30 (6): 2279-2297.
36. Ayyat M.S. and Fayza S. Abbas (2003). Effect of dietary protein level, stocking density and feeding rate on performance of Nile Tilapia (*Oreochromis niloticus*). *Proceeding of The 10th Scientific Conference on Animal Nutrition*, Hurghada, Egypt.
37. Ayyat M.S., Fayza S. Abbas and El-Naggar G.O. (2003). Effect of dietary protein level and vitamin C supplementation on performance of Nile Tilapia (*Oreochromis niloticus*). *Veterinary Medical Journal, Cairo University, Giza*, 51 (3): 287-289.
38. Abd- El-Rahman G.A., Abou El-Nasr H.M, Ayyat M.S., Afaf M. Fayed and Nassar M.S. (2003). Utilization of some agro-industrial by-product in fattening lambs on the natural ranges in the south of valley. *Egyptian Journal of Nutrition and Feeds*, 6: 851-865.
39. Abdelghany, A.E., M.-S. Ayyat and M.H. Ahamad, 2002. Appropriate timing of supplemental feeding for production of Nile tilapia, silver carp, and common carp in fertilized polyculture ponds. *J. World Aquacult. Soc.* 33(3):307-315.
40. Habeeb A.A., Aboulnaga A.I. and Ayyat M.S. (2002). Effects of sever heat stress with different lighting regimes on plasma progesterone, calcium and inorganic phosphorus in doe rabbits before mating and after pregnancy. *Egyptian Journal of Applied Science*, 17 (11):21-42.
41. Abd El-Monem U.M. and Ayyat M.S. (2002). Effect of dietary protein level on growing and mature rabbits performance, under summer conditions of Egypt. *The 3rd Scientific Conference on Rabbit Production in Hot Climates*. Hurghada, Egypt. *The Egyptian Rabbit Science Association*. Vol 1: 481-494.
42. Ayyat M.S., Soliman M.M., Abd El-Monem U.M. and El-Sheikh S.M. (2002). Performance of growing rabbits as affected by some environmental conditions. *Egyptian Journal of Rabbit Science*, 12 (1): 43-58.
43. Ayyat M.S., Fayza S. Abbas, Mariam M. Sharaf and Safaa M. Sharaf (2002). Effect of Dietary protein level and copper supplementation in performance of common carp fish *C. carpio L.* *Egyptian Journal of Nutrition and Feeds*, Vol 5 (2), 207-224.
44. Anous M.R., Mourad M. and Ayyat M.S. (2002). Evaluation of carcass composition on New Zealand White rabbits saised in two different housing systems. *Egyptian Journal of Rabbit Science*, 12 (2): 155-164.
45. Marai I.F.M., M.S. Ayyat and U.M. Abd El-Monem. (2001). Growth Performance and Reproductive Traits at First Parity of New Zealand White

- Female Rabbits as Affected by Heat Stress and Its Alleviation under Egyptian Conditions. *Tropical Animal Health and Production*, 33 (6): 451-462, Kluwer Academic Publishers.
46. Ayyat M.S., Fatema A. Hafez, Mahmoud A.B. and Fayza S. Abbas (2001). Effect of stocking ratio and chemical fertilization on pond water quality and growth performance of some warm water fish species. *Egyptian Journal of Aquatic Biology and Fishers*, 5 (4): 45-59.
 47. Ayyat M.S., Abd El-Monem U.M., El-Gendy H.M., El-Fateh Hammad M. (2000). Proenofos effects on rabbit performance and their amelioration by using natural clay minerals. *World Rabbit Science*, 8 (4): 169-176.
 48. Marai, I.F.M., Ayyat, M.S. and Abd El-Monem ,U.M. (2000). Young doe rabbit performance traits as affected by dietary zinc, copper, calcium or magnesium supplements, under winter and summer conditions of Egypt. 7th World Rabbit Congress, Valencia, Spain.
 49. Ayyat M.S. and Marai I.F.M. (2000). Growth performance and carcass traits as affected by breed and dietary supplementation with different zinc levels, under Egyptian conditions. 7th World Rabbit Congress, Valencia, Spain.
 50. Ayyat S.M., Hafez F.A., Sharaf S.M. and Abbas F.S. (2000). Copper-protein nutrition of the Nile tilapia, *Oreochromis niloticus*. *Egyptian Journal of Aquatic Biology and Fish*. 4(4): 313-335.
 51. Marai I.F.M., Ayyat M.S., Gabr H.A. and Abdel-Monem U.M. (1999). Growth performance, some blood metabolites and carcass traits of New Zealand White broiler male rabbits as affected by heat stress and its alleviation, under Egyptian conditions. In Testik A. (ed.), Baselga M. (ed.). *2nd International Conference on rabbit production in hot climates*. Zaragoza: CIHEAM-IAMZ, 1999. p. 35-42. (Cahiers Options Méditerranéennes; V 41: 35-42) 2. International Conference on Rabbit Production in Hot Climates, 1998/09/07-09, Adana (Turkey).
 52. Mahdy A.E., El-Shafie O.M. and Ayyat M.S. (1999). Genetic study and values for some economic traits in Egyptian buffaloes. *Alexandria Journal of Agricultural Research*, 44 (2): 15-35.
 53. Shalaby A.A. and Ayyat M.S. (1999). Effect of natural clay addition of the residues of profenofos and monocrotophos and their effect on some blood components n hens. *Egyptian Journal of Applied Science*, 14 (6): 286-300.
 54. Marai I.F.M., Ayyat M.S. and Abd El-Monem U.M. (1999). Growth performance and carcass traits of New Zealand White meal rabbits as affected by some dietary additives during winter and summer of Egypt. First International Conference on Indigenous Versus Acclimatized Rabbits, Suez Canal University, Faculty of Environmental Sciences, El-Arish, North Sinai, pp.201-211.
 55. Ayyat M.S., Marai I.F.M., El-Gendy H.M., Abd El-Monem U.M., El-Azzab A.M. (1999). Growth performance, carcass traits and blood serum constituents of New Zealand White meal rabbits as affected by dietary protein and energy level, copper supplementation and their interactions, under Egyptian

- conditions. First International Conference on Indigenous Versus Acclimatized Rabbits, Suez Canal University, Faculty of Environmental Sciences, El-Arish, North Sinai, pp.159-181.
56. Ayyat, M.S. and Marai, I.F.M. (1998). Evaluation of application of the intensive rabbit production system under sub-tropical conditions of Egypt. *World Rabbit Science*, 6 (1): 213-217.
 57. Ayyat, M.S. and Marai, I.F.M. (1997). Use of natural clays in animal production. *Proceedings of the International Conference on Animal, Poultry and Rabbit Production and Health*, Egyptian International Centre for Agriculture, Dokki, Cairo, Egypt 2-4 September, 1997, 91-111.
 58. Ayyat, M.S. and Marai, I.F.M. (1997). Effects of heat stress on growth, carcass traits and blood components of New Zealand White rabbits fed various dietary energy-fibre, under Egyptian conditions. *Journal of Arid Environments*, 37: 557-568.
 59. Ayyat M.S., Gabr H.A., Marai I.F.M. and Abdel-Monem U.M. (1997). *Alleviation of heat-stressed growing rabbits by using some chemical growth enhancers, under subtropical Egyptian conditions. Proceedings of the International Conference on Animal, Poultry and Rabbit Production and Health, Egyptian International Centre for Agriculture, Dokki, Cairo, Egypt, 637-651.*
 60. Bassuny M.S., Ayyat M.S. and El-Lathy A.A. (1997). Effects of dietary protein-energy level and energy source on growing New Zealand White rabbits. *Proceedings of the International Conference on Animal, Poultry and Rabbit Production and Health*, Egyptian International Centre for Agriculture, Dokki, Cairo, Egypt, 653-662.
 61. Ayyat, M.S. El-Shafie O.M. and Marai, I.F.M. (1997). Effects of inbreeding on some productive and reproductive traits of Egyptian buffaloes. *Proceedings of the International Conference on Animal, Poultry and Rabbit Production and Health*, Egyptian International Centre for Agriculture, Dokki, Cairo, Egypt, 203-212.
 62. Ayyat, M.S. Marai, I.F.M. and Farghaly H.M. (1997). A trail to grade Egyptian cattle for beef production according to fleshing and its associated traits. *Proceedings of the International Conference on Animal, Poultry and Rabbit Production and Health*, Egyptian International Centre for Agriculture, Dokki, Cairo, Egypt, 379-391.
 63. Ayyat M.S. and Marai I.F.M. (1996). Effects of summer heat stress on growth performance, some carcass traits and blood components of New Zealand White rabbits fed different dietary protein-energy levels, under subtropical Egyptian conditions. *6th World Rabbit Congress*, Toulouse, France, 2: 151-161.
 64. Marai, I.F.M., Ayyat, M.S., Gabr, H.A., and Abdel-Monem, U.M. (1996). Effects of heat stress and its amelioration on reproduction performance of New Zealand White adult female and male rabbits, under Egyptian conditions. *6th World Rabbit Congress*, (Toulouse, France), 2, 197-202.

65. Ayyat, M.S., Marai, I.F.M. and El-Aasar, T.A. (1996). New Zealand White rabbit does and their growing offspring as affected by diets containing different protein level with or without lacto-sacc supplementation. *World Rabbit Science*, 4 (4): 225-230.
66. Ayyat M.S., Mara I.F. and El-Shafie O.M. (1996). Factors affectng adjusted milk yield for lactation length in Egyptian buffaloes and their pattern of inheritance. *Indian Journal of Animal Sciences*, 66 (6): 607-613.
67. Ayyat, M.S. and Anous M.R. (1995). Magnitude and direction of genetic - environmental interaction in rabbis with special reference to live and slaughter performance and carcass cut-out. *World Rabbit Science*, 3 (1): 3-8.
68. Ayyat, M.S., Marai, I.F.M. and El-Sayiad, Gh.A. (1995). Genetic and non-genetic factors affecting milk production and pre-weaning litter traits of New Zealand White does under Egyptian conditions. *World Rabbit Science*, 3 (3): 119-124.
69. Ayyat, M.S., Marai, I.F.M. and El-Sayiad, Gh.A. (1995). A trail to grade New Zealand White rabbits for broiler production at marketing and breeding. *World Rabbit Science*, 3 (2): 75-84.
70. Ayyat, M.S., Marai, I.F.M. and Alazab, A.M. (1995). Copper-protein nutrition of New Zealand White rabbits under Egyptian conditions. *World Rabbit Science*, 3 (3): 113-118.
71. Ayyat M.S., Anous M.R. and Sadek M.H. (1994). Genetic parameters for meat production in rabbits. I. Non carcass components. *World Rabbit Science*, 2 (3): 93-99.
72. Marai I.F., El-Sayiad Gh.A. and Ayyat M.S. (1994). Some blood and milk constituents as affected by breed and pregnancy stage n rabbits. *Cahiers Options Mediterraneennes*, 8: 347-352.
73. Ayyat M.S. (1994). Effect of different levels of dietary protein and copper on growth performance n rabbits. *Egyptian Journal of Rabbit Science*, 4 (1): 83-92.
74. Ayyat M.S., Yamani K.A., Bassuny S.M. El-Gendy K.M. and Abdalla M.A. (1994). A study on using different energy levels for growing rabbits in Egypt. *Cahiers Options Mediterraneennes*, 8: 131-140.
75. Yamani K.A., Ayyat M.S. and Abdalla M.A. (1994). Evaluation of the traditional rabbit diet versus the pelleted diet for growing rabbits for small scale units. *Cahiers Options Mediterraneennes*, 8: 213-222.
76. Yamani K.A., Ayyat M.S., Bassuny S.M. Rashwan A.A. and Abdalla M.A. (1994). Additional energy supplements in the diet for growing rabbits. *Cahiers Options Mediterraneennes*, 8: 223-234.
77. Ayyat M.S. (1993). Response of weanling rabbits to feeding of zinc bacitracin and flavomycin as growth promoters, under Egyptian conditions. *Egyptian Journal of Rabbit Science*, 3 (2): 171-177.

78. Ayyat M.S. (1991). Growth, feed efficiency and carcass traits of growing rabbits as affected by levels of dietary protein and sulphur amino acids. *Egyptian Journal of Rabbit Science*, 1 (1): 1-12.
79. Ayyat M.S. (1991). Growth and carcass production of growing rabbits as affected by dietary energy level. *Zagazig Journal of Agriculture Research*, 18 (1): 109-122.
80. Ayyat, M.S., Habeeb, A.A. & Bassuny, S.M. (1991). Effects of water salinity on growth performance, carcass traits, and some physiological aspects of growing rabbits in summer season. *Egyptian J. Rabbit Science.*, 1 (1):21-34.
81. Ayyat M.S., Habeeb A.A. and El-Hindawy M.M. (1990). Promoting effect of Ralgro on productive performance of New Zealand White rabbits. *Egyptian Journal of Poultry Science*, 10: 1-20.
82. Ayyat M.S. Soliman A.M. and El-Sayiad Gh. A. (1989). Relationships among some live body and carcass measurements and carcass composition of Egyptian cattle. *The Third Egyptian Conference on Animal, Fish and Poultry Production Alexandria, Egypt*, Vol. 1: 353-365.
83. Habeeb A.A., Ayyat M.S. and Bassiuny S.M. (1989). Thyroid function, some blood constituents and fattening performance of rabbits as affected by thyroxin treatments. *The Third Egyptian Conference on Animal, Fish and Poultry Production Alexandria, Egypt*, Vol. 2: 1017-1025.
84. Nower M.S., Marai I.F.M., Shalaby A.S. and Ayyat M.S. (1982). Promoting effects of zeranol (Ralgro) on suckling and weaning buffalo calves in Egypt. *The Sixth International Conference on Animal and Poultry Production Zagazig, Egypt*, 153-166.
85. Marai I.F.M., Nower M.S., Shalaby A.S. and Ayyat M.S. (1982). Effect of zeranol (Ralgro) implantation on Egyptian cattle. *The Sixth International Conference on Animal and Poultry Production Zagazig, Egypt*, 167-182.