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Associate Professor of Animal, Poultry and Fish Breeding and Production



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Scientific Identity

- **Publons:** <https://publons.com/researcher/1304964/seham-el-kassas/>
- **WOS:** [Seham El-Kassas - Web of Science Researcher Profile](#)
- **Researchgate:** <https://www.researchgate.net/profile/Seham-El-Kassas>
- **Google scholar:** <https://scholar.google.com/citations?user=TvR86GoAAAAJ&hl=en>
- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=56589825800>
- **ORCID:** [Seham El-Kassas \(0000-0001-8083-6876\) - My ORCID](#)
- **Loop:** <https://loop.frontiersin.org/people/1652667/overview>

Introduction

Dr. Seham Mohammed Khalil Elkassas is an accomplished Associate Professor at Kafrelsheikh University, renowned for her pioneering research in animal, poultry, and fish breeding and production. With over 40 peer-reviewed publications and 769 citations (h-index: 15), her work has



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Kafrelsheikh University
Faculty of Veterinary Medicine
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significantly advanced the understanding of stress management, immune enhancement, and genetic improvement in livestock and aquaculture. Her research interests focus on leveraging nutrition, nanotechnology, and molecular biology to optimize growth, immunity, and production traits in poultry, cattle, and fish, with notable contributions to feed additives and stress mitigation strategies. Dr. El-Kassas has received multiple Kafrelsheikh University awards for international publications (2016–2024) and has supervised numerous graduate theses, cementing her role as a leader in veterinary science.

Education

- **Bachelor degree** of Veterinary Medical Science (B. V. Sc), May 2007, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt, May 2007.
- **Master degree** of Veterinary medical science (M.V.Sc) in Animal, Poultry and Fish Breeding and Production, March 2012, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- **Title of master thesis:** “Selection for Increasing Four Weeks Body Weight and Correlated Response to Body Conformation and Carcass Traits in Japanese quail”.
- **Ph.D** of Veterinary medical science in Animal, Poultry and Fish Breeding and Production, August 2016, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- **Title of Ph.D thesis:** “Expression and Regulation of Cholecystokinin A Receptor in Chicken Immune System”.

Academic positions

- 2008-2012** **Demonstrator** of Animal, Poultry and Fish Breeding and Production at Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
- 2012-2016** **Assistant lecture** of Animal, Poultry and Fish Breeding and Production at Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

- 2016- 2021** Lecturer of Animal, Poultry and Fish Breeding and Production at Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- 2021-till now** Assistant Professor of Animal, Poultry and Fish Breeding and Production at Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- 2022-2024** Acting as Head of the Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

Professional and Teaching Experience

- Teaching the course of Animal, Poultry and Fish Breeding and Production for the 2nd year undergraduate students at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- Teaching the course of Veterinary Biostatistics for the 1st year undergraduate students at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt .
- Teaching advanced biostatistics, experimental design, computer and data processing, advanced animal, poultry and Fish breeding and production for postgraduates (Master and Ph.D.) students.
- Member of Central Diagnostic Lab at College of Veterinary Medicine, Kafrelsheikh University- Egypt.

Scholarships

- PhD Joint supervision scholarship at college of veterinary Medicine, Nursing and Allied Health, Tuskegee University , Tuskegee , Al, USA from January 25,2014 to January 24, 2016.
- Post-doc Visiting Scholar at School of Environment and Natural Resources (SENR), The Ohio State University, Ohio, USA from August 2019 to January 2020.

Research and Laboratory Experience

- **Member, Central Diagnostic Lab (Ongoing)**
Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
- **Member, Biotechnology Laboratory (2012–2014)**
Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
 - Expertise in DNA/RNA extraction, PCR, qPCR, gene cloning, Western blot, and cell culture

- **Member, Virology/Immunology and Cell Culture Lab (2014–2016)**
Dr. T. Nashar Laboratory, Tuskegee University, Tuskegee, AL, USA
- **Member, Microbiology Lab (2019-2020).**
Dr. Chad Rappelleye, Department of Microbiology at Ohio State University, OH, USA.

Grants and Research Projects

- Co-investigator in a project titled “**Novel biotechnological approach to increase meat production of native (Baladi) chickens through inhibition of Myostatin activity.**” Funded from Kafrelsheikh University from 2012 to 2014.
- Co-investigator in a research project entitled “ **The effects of dietary yeast *Pichia pastoris* intracellularly expressing fish proteolytic enzyme in formulation of starter diets for freshwater fish**” during my 6 months as a post-doctoral scholarship at Konrad Dabrowski’s laboratory in the School of Environment and Natural Resources, College of Food, Agriculture and Environmental Science, The Ohio State University, USA from 2019-2020.
- **Scientific awards**
 - Kafrelsheikh University award for international publication, 2016-2017.
 - Kafrelsheikh University award for international publication, 2017-2018.
 - Kafrelsheikh University award for international publication, 2018-2019
 - Kafrelsheikh University award for international publication, 2019-2020
 - Kafrelsheikh University award for international publication, 2020-2021.
 - Kafrelsheikh University award for international publication, 2021-2022 .
 - Kafrelsheikh University award for international publication, 2022-2023
 - Kafrelsheikh University award for international publication, 2023-2024

Thesis supervision

1. “**Identification of Some SNPs in ABCG2 gene that affects milk production and composition in Egyptian cows**”, Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University. (DONE).

2. **“Genetic Evaluation of Some Productive Traits of Dairy Cattle”**. Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University. (DONE).
3. **“Using Some Managemental Practices to Improve Performance of Nile Tilapia”**. Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University. (DONE).
4. **“Advanced studies on fish feeding strategies”**, Ph D thesis, Faculty of Aquatic and Fisheries Science, Kafrelsheikh University. (DONE).
5. **’Genetic Evaluation of Some Reproductive Traits in Egyptian Buffaloes”**. Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University. (DONE).
6. **‘Impact of Medicinal Plant (Eurycoma Longifolia) on Productive and Reproductive Performance of Japanese Quails”**, Ph D thesis, Faculty of Veterinary Medicine, Alexandria University. (DONE).
7. **“Genetic adaptation of coturnix quail varieties to organic and inorganic mineral supplementation”**, Master thesis, Department of Management and Animal Wealth Development, Faculty of Veterinary Medicine, Matrouh University.
8. **“Impact of dietary natural feed additives on rabbit productive performance”**, Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.
9. **“Effect of Some Natural Additives on Production and Reproduction of Tilapia Fish”**, Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.
10. **“Economic and productive efficiency of some fish farms in response to dietary supplementation of some feed additives”**, Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.
11. **“Some genetic and non-genetic factors affecting performance of Nile tilapia”**. Ph D thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.

Reviewing and Editorial Board Activities

Journal title	Journal title
Italian Journal of Animal Science	Animals
Journal of Applied Life Sciences International	Genes
Journal of World's Poultry Research	Agriculture
Nanotoxicology	Journal of Animal Physiology and Animal Nutrition
Sustainability	British Poultry Science
Diagnostics	Veterinary Medicine International
Aquaculture Research	Stress: the International Journal on Biology of Stress
Annals of Animal Science	Molecular Biology Reports
Kafr El-Sheikh Veterinary Medical Journal	Journal of Buffalo Science (JBS)
Egyptian Journal of Veterinary Sciences	Journal of Advances in Medicine and Medical Research

• Editorial Board member in:

1. Journal of World's Poultry Science
2. Current Journal of Applied Science and Technology

Scientific Publications

1. NM Elbanhawy, **S El-Kassas**, MM Sharaf, IA Elkhayat, HA Basha, MI Abo-Samaha, Effect of water supplementation with Eurycoma longifolia (Tongkat Ali) root extract on growth performance, carcass characteristics, antioxidant responses, and gene expression in brown and white Japanese quails, Livestock Science, Volume 302, December 2025, 105833, ISSN 1871-1413, <https://doi.org/10.1016/j.livsci.2025.105833>.
2. Norhan M Elbanhawy, Mohammed M Sharaf, Heba A Basha, Magda I Abo-samaha, Ibrahim A Elkhayat, **Seham El-Kassas**, Effect of Eurycoma Longifolia Root Extract on Reproductive Performance of Brown and White Japanese Quail, AJVS. 2025; 87(0): 119-132doi: 10.5455/ajvs.275842.
3. Yahya Eid, Sabria A El-Soud, Mostafa Z Gamel, Seham El-Kassas, Mahmoud M Azzam, Alessandro Di Cerbo, Ahmed A Elolimy, Mahmoud Alagawany, Abeer A Kirrella, Dietary lysophospholipids enhance broiler performance, immune response, meat quality, and mitigate oxidative stress, Front Immunol. 2025 Aug 29;16:1572314. doi: 10.3389/fimmu.2025.1572314.
4. Mahmoud Alagawany, Fayiz M Reda, Hemat K Mahmoud, Mahmoud M Azzam, Mohamed T El-Saadony, **Seham El-Kassas**, Alessandro Di Cerbo, Kasim Sakran Abass, Mahmoud Madkour, Ahmed A Elolimy, Application of prodigiosin pigment extracted from *Serratia marcescens* as a functional feed additive for improving quail performance and health,

Italian Journal of Animal Science, Volume 24, Issue 1, 2025,
<https://doi.org/10.1080/1828051X.2025.2510517>

5. **Mohamed I. Elmahdy, Mohamed S. El-Kholy, Samar S. Bassiony, Shaker M. Abolmaaty, Mahmoud M. Azzam, Seham El-Kassas, Mahmoud Alagawany, Antonia Lestingi**, Effect of dietary betaine (CH₃)₃N+CH₂CO-2) fortifications on growth performance, carcass traits, and blood biochemistry of broilers under heat stress condition, Results in Chemistry, Volume 15, 2025, 102178, ISSN 2211-7156, <https://doi.org/10.1016/j.rechem.2025.102178>.
6. **Ibrahim A. Elkhayat, Seham El-Kassas, Safaa E Abdo, Karima El-Naggar, Haitham K. Shalaby, Reyad Y. Nofal, Mayada R. Farag, Mahmoud M. Azzam, Antonia Lestingi**, Leverage of lysozyme dietary supplementation on gut health, hematological, antioxidant, and immune parameters in different plumage-colors Japanese quails, Poultry Science, Volume 104, Issue 1, 2025, 104474, ISSN 0032-5791, <https://doi.org/10.1016/j.psj.2024.104474>.
7. **Ibrahim Elkhayat, Seham El-Kassas, Karima El-Naggar, Safaa Abdo, Haitham K. Shalaby, Mahmoud M. Azzam, Alessandro Di Cerbo, Mahmoud Alagawany, Reyad Y. Nofal**, Dietary supplementation of lysozyme can improve growth rate, laying performance, blood biochemistry, and mRNA levels of some related genes in different plumage-colored quails, Poultry Science, Volume 104, Issue 1, 2025, 104491, ISSN 0032-5791, <https://doi.org/10.1016/j.psj.2024.104491>.
8. **Hamed, S., El-Kassas, S., Abo-Al-Ela, H.G. et al.** Temperature and feeding frequency: interactions with growth, immune response, and water quality in juvenile Nile tilapia. BMC Vet Res 20, 520 (2024). <https://doi.org/10.1186/s12917-024-04366-4>
9. **Abdo SE, El-Nahas AF, Abdellatif RE, Mohamed R, Helal MA, Azzam MM, Di Cerbo A, El-Kassas S.** Combined Dietary Spirulina platensis and Citrus limon Essential Oil Enhances the Growth, Immunity, Antioxidant Capacity and Intestinal Health of Nile Tilapia. Vet Sci. 2024 Oct 4;11(10):474. doi: 10.3390/vetsci11100474. PMID: 39453066; PMCID: PMC11512375.
10. **Sherif, R., Nassef, E., El-Kassas, S. et al.** Synergistic impact of *Chlorella vulgaris*, zinc oxide-and/or selenium nanoparticles dietary supplementation on broiler's growth performance, antioxidant and blood biochemistry. Trop Anim Health Prod 56, 246 (2024). <https://doi.org/10.1007/s11250-024-04098-5>

11. Hamed, S., **El-Kassas, S.**, Abo-Al-Ela, H.G. *et al.* Interactive effects of water temperature and dietary protein on Nile tilapia: growth, immunity, and physiological health. *BMC Vet Res* **20**, 349 (2024). <https://doi.org/10.1186/s12917-024-04198-2>
12. Fayiz M. Reda, Mahmoud Alagawany, Hemat K. Mahmoud, Nouf Aldawood, Abdullah M. Alkahtani, Abdulaziz Hassan Alhasaniah, Mohamed A. Mahmoud, Mohamed T. El-Saadony, **Seham El-Kassas**, Application of naringenin as a natural feed additive for improving quail performance and health, *Journal of Applied Poultry Research*, Volume 33, Issue 3, 2024, 100446, ISSN 1056-171, <https://doi.org/10.1016/j.japr.2024.100446>.
13. Chuntian Zheng, Mayada R Farag, Mahmoud Alagawany, **Seham El-Kassas**, Mahmoud M Azzam, Alessandro Di Cerbo, Eman Wagih (2023). Dietary supplementation of quercetin nanoparticles enhances the growth performance hematological and immunological responses and resistance to *Aeromonas hydrophila* infection in Nile tilapia (*Oreochromis niloticus*) exposed to silver nanoparticles toxicity. *Aquaculture Reports*. Volume 33, December 2023, 101780.
14. **Seham El-Kassas**, Haitham G Abo-Al-Ela, Esraa Abdulraouf, Mohamed Atef Helal, AM Sakr, Safaa E Abdo (2023). Detection of two SNPs of the LIPE gene in Holstein–Friesian cows with divergent milk production. *Journal of Dairy Research*, 90(3), 244-251.
15. Mohamed FF Bayomy, Sobhy E Hassab El-Nabi, Tahany A El Kassas, Zeinab I Attia, Ayman M Saeed, Heba SA Taha, Mahmoud Alagawany, Livio Galosi, Lucia Biagini, **Seham El-Kassas** (2023). Extender Supplementation with Glutathione (GSH) and Taurine Improves In Vitro Sperm Quality and Antioxidant Status of New Zealand Rabbits during Chilled Storage for up to 72 hours. *Veterinary Medicine International*, Volume 2023 | Article ID 8339591 | <https://doi.org/10.1155/2023/8339591>.
16. Mohamed FF Bayomy, Sobhy E Hassab El-Nabi, Zeinab I Attia, Ayman M Saeed, **Seham El-Kassas**, Entesar Z Eliraqy, Tahany A El Kassas (2023). Sperm lipid profile status of New Zealand rabbits during chilled storage for up to 72 hours concerning the addition of glutathione and taurine: An in vitro study. *Journal of Medical and Life Science*, Vol.5, No. 4, P.282-295.
17. Marwa F AbdEl-Kader, **Seham El-Kassas**, Mohamed F Abd-Elghany, Haitham G Abo-Al-Ela, Karima El-Naggar, Rasha A Al Wakeel, Abeer Gamal Zaki, Youssif S Grana, Hend AM El-Saftawy (2023). Dietary selenium nanoparticles positively modulate the growth and

immunity of seabream (*Sparus aurata*) fingerlings exposed to low salinity stress and *Vibrio parahaemolyticus* challenge. *Aquaculture*, Volume 576, p 739893, ISSN 0044-8486, <https://doi.org/10.1016/j.aquaculture.2023.739893>.

18. Naglaa Fathy, El-Sayed M. Abdel-Kafy, **Seham El-Kassas***, Hassan Mohamed Sobhy, Sahar H. Abdalla Hekal, Mahmoud Alagawany*, Eman A. Manaa (2023). Association of insulin receptor substrate 1 (IRS-1) gene polymorphism with growth and litter-related traits in NMER rabbits. *Anim Biotechnol.* 2023 Jun 13:1-8. doi: 10.1080/10495398.2023.2219705.
19. Ibrahim Elkhayat, **Seham El-Kassas**, Yahya Eid, Magda Ghobish, Esteftah El-Komy, Mahmoud Alagawany, Mohamed Ragab (2023). Assessment of variations in productive performance of two different plumage color varieties of Japanese quail and their reciprocal crosses. *Tropical Animal Health and Production*. Volume 55, Issue 3, DOI: <https://doi.org/10.1007/s11250-023-03604-5>.
20. Abeer AK Kirrella, **Seham El-Kassas**, Saad Mohamed Mostfa, Hassan Hassan Younes, Mostafa Helal, Mohamed Ragab (2023). The comparison of two different plumage-color lines of Japanese quail (*Coturnix japonica*) disclosed a significant effect in increasing abdominal fat contents with increasing age. *Tropical Animal Health and Production*. Volume 55, 180. DOI: <https://doi.org/10.1007/s11250-023-03601-8>.
21. Mayada R Farag, **Seham El-Kassas**, Youssef A Attia, Rashed A Alhotan, Mohamed A Mahmoud, Alessandro Di Cerbo, Mahmoud Alagawany (2023). *Yucca schidigera* Extract Mitigates the Oxidative Damages, Inflammation, and Neurochemical Impairments in the Brains of Quails Exposed to Lead. *Biol Trace Elem Res* (2023). <https://doi.org/10.1007/s12011-023-03696-y>.
22. Abeer AK Kirrella, **Seham El-Kassas**, Karima El-Naggar, Livio Galosi, Lucia Biagini, Giacomo Rossi, Alessandro Di Cerbo, Mahmoud Alagawany, Mohamed Kassab, Rasha A Al Wakeel (2023). Growing and laying performance of two different-plumage color Japanese quail varieties supplemented with corn silk in their diet. *Poultry Science* Volume 102, Issue 2, February 2023, 102360
23. Safaa E Abdo, Abeer F El-Nahas, Sally Abdelmenam, Mostafa A Elmadawy, Radi Mohamed, Mohamed Atef Helal, **Seham El-Kassas** (2022). The synergetic effect of *Bacillus* species and *Yucca schidigera* extract on water quality, histopathology, antioxidant, and innate

immunity in response to acute ammonia exposure in Nile tilapia. *Fish & Shellfish Immunology*. Volume 128, Pages 123-135.

24. **Seham El-Kassas**, Nesreen Aljahdali, Safaa E Abdo, Fatima S Alaryani, Eman M Moustafa, Radi Mohamed, Wesam Abosheashaa, Esraa Abdulraouf, Mohamed Atef Helal, Manal E Shafi, Mohamed T El-Saadony, Karima El-Naggar, Carlos Adam Conte-Junior (2022). Moringa oleifera Leaf Powder Dietary Inclusion Differentially Modulates the Antioxidant, Inflammatory, and Histopathological Responses of Normal and Aeromonas hydrophila-Infected Mono-Sex Nile Tilapia (*Oreochromis niloticus*). *Front Vet Sci*. 2022; 9: 918933. doi: [10.3389/fvets.2022.918933](https://doi.org/10.3389/fvets.2022.918933).
25. Ali Raza Jahejo, Nazeer Hussain Kalhor, Hidayatullah Soomro, Jin Yu, Chen-liang Zhang, **Seham El-Kassas**, Sayed Haidar Abbas Raza, Jin-feng Zhao, Azizullah Memon, Lubna Ghani, Guan-bao Ning, Ding Zhang, Shu-ming Chen, Wen-xia Tian (2021). Dietary supplementation with Celecoxib to prevent the welfare problem of tibial dyschondroplasia in broiler chickens. *Livestock Science*, Volume 250, August 2021, 104568. <https://doi.org/10.1016/j.livsci.2021.104568>.
26. Haitham G. Abo-Al-Ela, **Seham El-Kassas**, Karima El-Naggar, Safaa E. Abdo, Ali Raza Jahejo & Rasha A. Al Wakeel (2021). Stress and immunity in poultry: lightmanagement and nanotechnology as effective immune enhancers to fight stress. *Cell Stress and Chaperones* volume 26, pages 457–472. DOI: <https://doi.org/10.1007/s12192-021-01204-6>
27. **Seham El-Kassas**, Safaa E Abdo, Wesam Abosheashaa, Radi Mohamed, Eman M Moustafa, Mohamed Atef Helal, Karima El-Naggar (2020). Growth performance, serum lipid profile, intestinal morphometry, and growth and lipid indicator gene expression analysis of mono-sex Nile tilapia fed Moringa oleifera leaf powder. *Aquaculture Report*, 18, 10042. DOI: <https://doi.org/10.1016/j.aqrep.2020.100422>.
28. Osama A Sakr, Eldsoky Nassef, Sabreen E Fadl, Hazem Omar, Emad Waded, **Seham El-Kassas** (2020) “The Impact of Alpha-lipoic Acid Dietary Supplementation on Growth Performance, Liver and Bone Efficiency, and Expression Levels of Growth-Regulating Genes in Commercial Broilers. *J. World Poult. Res.*, 10 (2S): 172-179. DOI: <https://dx.doi.org/10.36380/jwpr.2020.22>.

29. Nagham ELSaidy, Abeer Kirella, **Seham El-Kassas**, Mahmoud A. O. Dawood & Fatma Abouelenien. (2020). Reducing the Abundance of Harmful Bacteria of Rooftop Tank–Stored Drinking Water Using Silver Nanoparticles and Acetic Acid and Its Impact on Japanese Quail Growth Performances. *Biol Trace Elem Res*. DOI: <https://doi.org/10.1007/s12011-020-02422-2>
30. Mahmoud Alagawany, Mayada R. Farag, Manal E. Sahfi, Shaaban S. Elnesr, Othman Alqaisi, **Seham El-Kassas**, Abdullah S. Al-wajeeh, Ayman E. Taha & Mohamed E. Abd E-Hack (2020) Phytochemical characteristics of Paulownia trees wastes and its use as unconventional feedstuff in animal feed, *Animal Biotechnology*, DOI: <http://10.1080/10495398.2020.1806074>
31. **Seham El-Kassas**, Safaa E Abdo, Karima El-Naggar, Walied Abdo, Abeer AK Kirrella, Ibrahim El-Mehaseb , Mohammed Abu El-Magd (2020). Dietary Supplementation with Copper Oxide Nanoparticles Ameliorates Chronic Heat Stress in Broiler Chickens. *Animal Production Science* 60(2) 254-268. DOI: <https://doi.org/10.1071/AN18270>
32. Afaf D Abdel-Mageid, Abeer Gamal Zaki, Yakout A El Senosi, Hanan A Fahmy, Amel M El Asely, Haitham G Abo-Al-Ela, **Seham El-Kassas** (2020). Modulatory effect of lipopolysaccharide on immune-related gene expression and serum protein fractionation in grey mullet, *Mugil cephalus*. *Aquaculture Research*, 51(4), Pages 1643-1652. <https://doi.org/10.1111/are.14510>
33. Afaf D Abdel-Mageid, Abeer Gamal Zaki, Yakout A El Senosi, Amel M El Asely, Hanan A Fahmy, **Seham El-Kassas**, Haitham G Abo-Al-Ela (2020). The extent to which lipopolysaccharide modulates oxidative stress response in *Mugil cephalus* juveniles. *Aquaculture Research* 51 (1), 426-431. DOI: [10.1111/are.14309](https://doi.org/10.1111/are.14309).
34. Abdel-Hay Abdel-Hay, Sara Hamed, Mohamed Zayd, Fatma Abouelenien, Ibrahim Rehan, **Seham El-Kassas**, Amany Deyab, Radi Mohamed (2019). NIGHT FEEDING REGIME IMPROVES WATER QUALITY, GROWTH PERFORMANCE AND FEEDING BEHAVIOUR OF EUROPEAN EELS, *Anguilla*. *Slovenian Veterinary Research* Vol 56, Suppl 22. DOI: [10.26873/SVR-799-2019](https://doi.org/10.26873/SVR-799-2019)
35. Mostafa A Elmadawy, **Seham El-Kassas**, Safaa E Abdo, Atsushi Nagai, Yasuo Bunai (2019). GENETIC DIVERSITY AMONG TWO COMMON POPULATIONS OF CANIS LUPUS

FAMILIARIS IN EGYPT BY USING MITOCHONDRIAL DNA HVR1 SEQUENCE. *Slov Vet Res* 2019; 56 (Suppl 22): 75–85. [DOI 10.26873/SVR-745-2019](https://doi.org/10.26873/SVR-745-2019).

36. KarimaEl-Naggar, **SehamEl-Kassas**, Safaa E.Abdo, Abeer A.K.Kirrella, Rasha A.Al wakeel (2019). Role of gamma-aminobutyric acid in regulating feed intake in commercial broilers reared under normal and heat stress conditions. *Journal of Thermal Biology*. Volume 84, August 2019, Pages 164-175. DOI: <https://doi.org/10.1016/j.jtherbio.2019.07.004>

37. **Seham El-Kassas**, Safaa E Abdo, Karima El-Naggar, Walied Abdo, Abeer AK Kirrella, Toufic O Nashar (2018). Ameliorative Effect of Dietary Supplementation of Copper Oxide Nanoparticles on Inflammatory and Immune Responses in Commercial Broiler under Normal and Heat-Stress Housing Conditions. *Journal of Thermal Biology*. Volume 78, December 2018, Pages 235-246. <https://doi.org/10.1016/j.jtherbio.2018.10.009>.

38. AF El-Nahas, WM Basiony, **S El-Kassas**, and S Mahmoud (2018). Variation in the Genetic Effects of ABCG2, Growth Hormone and Growth Hormone Receptor Gene Polymorphisms on Milk Production Traits in Egyptian Native, Holstein and Hybrid Cattle Populations. *Pak Vet J*, 2018, 38(4): 371-376. [DOI: 10.29261/pakvetj/2018.089](https://doi.org/10.29261/pakvetj/2018.089) .

39. Safaa Abdo, **Seham El-Kassas***, Abeer El Nahas, and Shawky Mahmoud (2017). Modulatory Effect of Monochromatic Blue Light on Heat Stress Response in Commercial Broilers. *Oxidative Medicine and Cellular Longevity*, Volume 2017 (2017), Article ID 1351945, 13 pages <https://doi.org/10.1155/2017/1351945>

40. **El-Kassas S**, Odemuyiwa S, Hajishengallis G, Connell TD, Nashar TO (2016) Expression and Regulation of Cholecystokinin Receptor in the Chicken's Immune Organs and Cells. *J Clin Cell Immunol* 7: 471. [doi:10.4172/2155-9899.1000471](https://doi.org/10.4172/2155-9899.1000471).

41. **El-Kassas, S.**, Faraj, R., Martin, K., Hajishengallis, G., Connell, T. D., and Nashar, T., 2015. Cell clustering and delay/arrest in T-cell division implicate a novel mechanism of immune modulation by E. coli heat-labile enterotoxin B-subunits. *Volume 295, Issue 2, June 2015, Pages 150-162*. DOI: <https://doi.org/10.1016/j.cellimm.2015.02.014>

42. Radi Mohamed, Sherif ElKholya, Mustafa Shukry, **El-Kassas S**, Nagham Saidy (2017) Manipulation of Broiler Growth Performance, Physiological and Fear Responses Using Three

Monochromatic LED lights. *Alexandria Journal of Veterinary Sciences (AJVS)*. Vol. 53: 57-62. April 2017. DOI: [10.5455/ajvs.263048](https://doi.org/10.5455/ajvs.263048).

43. **Seham Elkassas, Jasmyne Davis, and Toufic Nashar.** Control of Appetite in Chickens: Expression of CCKA Receptor Correlates with Immunological Parameters. 16th Annual Biomedical Research Symposium, College of veterinary Medicine, Nursing and Allied Health, Tuskegee University, Tuskegee, AL, USA. September 17-18. 2015.

44. **Seham Elkassas, Jasmyne Davis, Solomon Odemuyiwa, and Toufic Nashar.** The Immune Status in Chickens is a Factor that May Control Appetite. NIH-MERIAL symposium, UC Davis School of Veterinary Medicine, University of California, Davis, CA, USA. From 30th July to 2nd of August 2015.

45. **Rawah Faraj, Toufic Nashar, Seham El-Kassas, Karmarcha Martin, George Hajishengallis and Terry D Connell.** Novel mechanisms of adjuvanticity implied from in-vitro studies with bacterial toxins. 9th Vaccines & Vaccination. From November 30-December 02, 2015 San Francisco, USA.

46. **Seham Elkassas, M. M. Sharaf, and A. A. Mansour.** 2012. Selection for increasing four weeks body weight in Japanese quails. *Kafrelsheikh Vet. Med. J.* Vol. 11 No.2.

47. **Published genes on GenBank databases:**

<https://www.ncbi.nlm.nih.gov/nuccore/?term=El+kasas>

<https://www.ncbi.nlm.nih.gov/nuccore/?term=El+kassas>

<https://www.ncbi.nlm.nih.gov/nuccore/ON638900.1>

<https://www.ncbi.nlm.nih.gov/nuccore/ON638901.1>

Conferences

- 3rd scientific conference of the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt, 2010.
- 15th Annual Biomedical Research Symposium " Transmitting Research through Community Networking for A healthier Nation " College of veterinary Medicine, Nursing and Allied Health, Tuskegee University, Tuskegee, AL, USA. March 19-22, 2014.
- 49th Annual Veterinary medical Symposium " Bridging the Gap: Veterinary Medical Education, Practice and Research " College of veterinary Medicine, Nursing and Allied Health, Tuskegee University, Tuskegee, AL, USA. September 18-19, 2014.

- 16th Annual Biomedical Research Symposium " Infectious diseases and Health Disparties" College of veterinary Medicine, Nursing and Allied Health, Tuskegee University, Tuskegee, Al, USA. September 17-18, 2015.
- 4th International scientific conference of the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt, May 12-15, 2016.
- 7th International scientific conference "**Veterinary Medicine and Advanced Technological Applications**", Faculty of Veterinary Medicine, Alexandria University, Egypt, November, 8-10, 2016.
- 1st International Conference and Exhibition on "**Sustainable Development of Aquaculture**". Central Laboratory of Aquaculture Research (CLAR), 20-22, November 2017.
- 3rd Annual Meeting of Faculty of Agriculture, Kafrelsheikh University and Society on December 19, 2018.
- The 5th International Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt "**Veterinary Medicine: Research and Applications**" on March 05-09, 2019.
- The 2020 3rd annual Equine and Farm Animal Veterinary Continuing Education Conference on January 3, 2020. This was organized by Faculty of Veterinary Medicine, The Ohio State University, Columbus, Ohio, USA.
- 2nd International Scientific and Practical conference on "**Molecular Genetic Technologies for analysis of gene expression as related to productivity and Resistance to animal diseases**". K.I. Skryabin Moscow State Academy of Veterinary Medicine and Biotechnology, Moscow, Russia, December 25, 2020.
- The Annual Meeting of JSPS Alumni Association Egypt & the 2nd International JSPS Webinars entitled "**Preparedness for the next COVID-18 Wave Multidisciplinary impacts Health, Education and Environment**" on Saturday 13th February 2021.

Workshops

- Attending a training course on "**Efficient Breeding for Sheep and Goat for Developing Countries**", Sponsored by Ministry of Commerce of the Public Republic of China and organized by International Exchange Center Yangling, China, From May 16th 2017 to June 6th, 2017.
- Attending a workshop on "**Rabbit breeding and production: The current and Future situation**" Poultry Production Department, Faculty of Agriculture Kafrelsheikh University, on October 09, 2017.
- Attending and participating in a training workshop on "**Competitive Research Proposal Writing**" Sponsored by **DAAD Kairo Akademie (DKA), Egypt**, on Thursday, March 1st, 2018.
- Attending an online workshop on "**Communicating Science to Public**" organized by Organized by Nature Research Academies in collaboration with the Egyptian Knowledge Bank (EKB) on February 03, 2020.
- Attending an online Workshop on "**Systematic Reviews and Meta-analyses**" organized by Organized by Nature Research Academies in collaboration with the Egyptian Knowledge Bank (EKB) on February 16, 2020.
- Attending an online workshop on "**Logical Manuscript Structure**" organized by Organized by Nature Research Academies in collaboration with the Egyptian Knowledge Bank (EKB) on February 21, 2020.
- Attending a workshop entitled "An Introductory Workshop on Multi-Gene Expression Assessment Employing Open Array Technology" Sponsored by a STDF project IDs: 4880 and 22941. This workshop was held on November 1st 2020 and organized by Digital Molecular Biology Research Lab, Medical Research Center of Excellence, NRC.
- Attending an online workshop on "**Enhance Your Research with Elsevier: How to Publish an eBook**" organized by Organized by Nature Research Center (NRC), Cairo, Egypt-in collaboration with the Egyptian Knowledge Bank (EKB) and Elsevier Society on 22nd December 2020.
- Attending a CABI online-platform webinar series on "**Professional Peer-review (V2): Professional post-submission peer-review**". Organized by CABI in collaboration with the Egyptian Knowledge Bank (EKB) on Thursday, December 24, 2020.

- Attending an online workshop on “**Enhance Your Research with Elsevier: How to Improve R&D Productivity with Reaxys**” organized by Organized by Nature Research Center (NRC), Cairo, Egypt- in collaboration with the Egyptian Knowledge Bank (EKB) and Elsevier Society on Monday 18th January, 2021.
- Attending an online workshop on “**Enhance Your Research with Elsevier: Before Hitting Submit: Practical Tips for Authors**” organized by Organized by Nature Research Center (NRC), Cairo, Egypt- in collaboration with the Egyptian Knowledge Bank (EKB) and Elsevier Society on Sunday 24th January, 2021.
- Attending an online workshop on “**Functional Genome Annotation and Enrichment Analysis**” organized by Organized by Nature Research Center (NRC), Cairo, Egypt-on 18-19 May 2021.
- Attending a training course on "**Integrated Technology of Dairy and Beef Cattle for Developing Countries**", Sponsored by Ministry of Commerce of the Public Republic of China and organized by International Exchange Center Yangling, China, From October 26th 2022 to November 15th, 2022 (VIRTUAL).