



**Curriculum Vitae**

**Prof. Dr. Samir Mahgoub**  
**Professor of Agricultural Microbiology**  
**Agricultural Microbiology Department**  
**Faculty of Agriculture**  
**Zagazig University**

## 1. GENERAL INFORMATION

Full name:	<b>Samir Ahmed Marghany Mahgoub</b>
Nationality:	Egyptian
Date of birth:	21 July, 1973
Place of birth:	Sharqiyah, Egypt
Marital status:	Married with three children's
Home address:	6 Street Helmi Tawfeq, El Henawe, Zagazig, Egypt
Current position:	Professor of Agricultural Microbiology
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## 2. RESEARCH INTERESTS

- Controlling of spoilage and pathogenic microbes in food, water and feed.
- Application of bioactive natural antimicrobials to extend the shelf life of foods and feed
- Control of the undesirable microbial growth in foods and water (via novel and ecofriendly techniques)
- Endogenous beneficial microflora of foods or wastewater for integrated biological treatment
- Quick methods for the detection, quantification and identification of foodborne or waterborne microorganisms.
- Biodegradation of melanoidins from molasses wastewater by yeasts and bacteria

## 3. CAREER

- Head of the Department of Agricultural Microbiology, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (August-2022 until now).
- Professor of Microbiology, Department of Agricultural Microbiology, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (June-2019 until now).
- Associate Professor of Microbiology, Department of Agricultural Microbiology, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (June-2014. until April 2019)
- Post doc in Microbiology, Laboratory of water and wastewater Technology, Department of Food Technology, Institute of Technology and Education Thessaloniki, Greece (Feb. – August 2014)
- Lecturer of Microbiology, Department of Microbiology, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (June-2009 to June-2014)

- Assistant Lecturer of Microbiology (graduate research assistant) at Department of Microbiology, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (September-2000- to June-2009)
- Doctoral researcher, Laboratory of Microbiology and Biotechnology of Foods, Department of Food Science and Technology, Agricultural University of Athens, Greece (September 2004 – November 2008).
- Demonstrator of Microbiology (graduate research assistant) at Department of Botany (Microbiology branch), Faculty of Agriculture, Zagazig University, Zagazig, Egypt (December1995- to September-2000).

#### **4. SCHOLARSHIPS and Fellowships AWARDS**

- One Monthe Visitor Professor at Lyon University, France, 2020.
- 12-months fellowship from TWAS, 2017
- 6-months fellowship from Ministry of Higher Education, Egypt for Post doc research in Greece, 2014.
- 4- Years scholarship from Greek State Scholarship Foundation (I.K.Y.) for PhD degree in Greece Under the research field of Food Science and Technology, Food Microbiology and Biotechnology (2004-2009).

#### **5. AWARDS**

- Encouragement prize from Zagazig University, Egypt (2012)
- The Abdul Hameed Shoman Award for Agricultural Sciences (Food security, Challenges of Genetically Modified Food ( Abdul Hameed Shoman Award for Arab Researchers from Abdul Hameed Showman Foundation, Jordon (2013).
- Photographic prize from Canadian Science and publication, Canada (2017).
- International publication prize from Zagazig University from 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022.

#### **6. REVIEWER IN PEER-REVIEWED JOURNALS**

- Desalination and Water Treatment
- African Journal of Biotechnology
- African Journal of Microbiology Research
- Food Measurement and Characterization-
- International Journal of Tropical Disease & Health
- International Research Journal of microbiology
- African Journal of Food Science and Technology
- British Journal of Microbiology Research
- Annual Research & Review in Biology

#### **7. FOREIGN LANGUAGES**

- English: perfect (speaking, writing and reading)
- Greek: perfect (speaking, writing and reading)

## **8. COMPUTER SKILLS**

- Excellent computer literacy (Windows environment), word processing software (Word), spreadsheet (Excel), presentations (PowerPoint), databases (Access), e-mail (Mozilla Thunderbird) and web services (Internet Explorer, Mozilla Firefox, Google Chrome)
- Very good knowledge of statistical analysis (Statistica, SPSS), image processing (Adobe Photoshop, Sigma Plot, IrfanView), organization literature (EndNote, Reference Manager) and bioinformatics (Clone Manager, BioEdit, OligoSoftware, Blast, ClustalW2, Transeq) software.

## **9. PUBLISHED RESEARCH WORK**

### **9.1. THESES**

- Master Thesis: Samir A.M. Mahgoub (2000). Effect of sewage Manure on Nodulation, Dinitrogen Fixation and Growth of *Vicia faba*. M. Sc. Thesis (master's degree) Agriculture College, Zagazig University, Egypt.
- Ph.D. Thesis: Samir A.M. Mahgoub (2009). Microbiological Problems of Traditional (Ethnic) Foods. Ph. D. Thesis (doctoral degree). Food Science and Technology, Laboratory of Food Microbiology and Biotechnology, Agricultural University of Athens, Greece.

### **9.2. ARTICLES IN NATIONAL PEER-REVIEWED JOURNALS**

1. Gewaily, E.M.; Mohamed, G. M.; Bedrous, V. S. and Mahgoub, S.A.M. (2001). Effect of Seasonal Variations on Bacteriological and Physicochemical analyses of Sewage water. Zagazig J. Agric. Res., 28(1):123-132.
2. Gewaily, E.M.; Mohamed, G. M.; Bedrous, V. S. and Mahgoub, S.A.M. (2001). Effect of irrigation with sewage water on nodulation, growth and yield of Faba bean plants grown on sandy soil. Zagazig J. Agric. Res., 28(5):799-815.
3. Gewaily, E.M.; Mohamed, G. M.; Bedrous, V. S. and Mahgoub, S.A.M. (2001). Effect of irrigation with sewage water on nodulation, growth and yield of Faba bean plants grown on clay soil. Zagazig J. Agric. Res., 28(6):1109-1124.
4. Gewaily, E.M.; Mohamed, G. M.; Bedrous, V. S. and Mahgoub, S.A.M. (2001). Effect of amendment with sewage sludge and rhizobial-inoculation, N<sub>2</sub>- fixation, yield and accumulation of heavy metals in faba bean plants. Zagazig J. Agric. Res., 28(6):1141-1158.
5. Amina Hassan and Samir Mahgoub (2011). Salt inducible-proteins and conjugal gene transfer of halotolerant *Staphylococcus* isolated from salinity soil. Egyptian Journal of Genetics and Cytology, 40: 263-280.
6. Seham Abd El-Shafi and Samir Mahgoub (2012). Antiviral effects of the liquid culture, cell free supernatants and extracellular products from *Serratia marcescens* subsp. *marcescens* against watermelon mosaic virus (WMV). Egyptian Journal of Microbiology, (10), 34-50.
7. Anian A. Shokr, Nahed A. el-Wafai, G.M. Mohamed and S.A. Mahgoub (2016). Evaluation of microbial load in some canned fruits and line processing of canned orange. Zagazig J. Agric. Res., 43(4):1233-1244.

8. Sherefa Z. Hamed, Hassan I. Abd El-Fattah, Howiada M. Abd El-Basit and Samir A. Mahgoub (2016). Isolation and identification of yeasts along wastewater treatment lines at Zagazig plant. Annals of Agric. Sci., Moshtohor. Vol. 54(1) (2016), 77– 84.
9. Sherefa Z. Hamed, H.I. Abd El-Fattah, Howaida M.L. Abd El-Basit and S.A. Mahgoub (2016). Efficiency of wastewater treatment plant at Zagazig City for removing microbial and chemical pollutants (case study). Zagazig J. Agric. Res., 43(3), 849-860.
10. Alaa M.S. Atia, Nahed A. El-Wafai, Fatma I. El-Zamik and S.A. Mahgoub (2016). Virulence and antibiotic susceptibility of *Aeromonas* spp. isolated from Nile tilapia fish, fish ponds and River water in Sharkia Governorate, Egypt. Zagazig J. Agric. Res., 43(6B), 2421-2433.
11. Abdel-Raouf B., Howiada M. Abd El-Basit, M.I. Hegazy and S.A. Mahgoub(2017). Probiotic properties of lactic acid bacteria isolated from Egyptian salted food. Zagazig J. Agric. Res., 44(4), 1289-1302.
12. Wesam Osama and Samir Mahgoub (2017). Treatment of Gauze Fabrics with Chitosan Nano Particles for Use in Medical Fields. International Design Journal, Volume 7, Issue 3, 57-63.
13. Hind M.A. Elzabalawwy, S.H. Salem, Nahed A. El-Wafai and S.A. Mahgoub (2017). Evaluation of proteolytic *Bacillus* spp. isolated from soil and characterization of their growth and activity of proteases. Zagazig J. Agric. Res., 44(6A), 2061-2077.
14. Amany A.Abd-Allah, Nahed A. El-Wafai, S.A. Mahgoub and Zakia A. El-Kenawy (2017). Inhibition of multidrug-Resistant bacteria isolated from fresh chicken meat and sausage by natural antibacterial agents. Zagazig J. Agric. Res., 44(6A), 2079-2096.
15. Alshaymaa Ibrahim Ahmed Ali, Samir Mahgoub., N.M.A. Bahnasawy, and Salah Tahoun (2018). Soil Properties and Their Effect on Some Biological Activities in Abu Suberia Valley- Aswan, Egypt. Egypt. J. Soil. Sci. Vol. 58, No. 2, pp. 221- 231.
16. Safaa M.Omar, H.I. Abd El-Fattah, Howaida M.L. Abd El-Basit and S.A. Mahgoub (2018). Contamination of fermented foods in Egypt with undesirable bacteria. Zagazig J. Agric. Res., 45(1), 317-329.
17. Nahed Elwafai, Fatma El -Zamik, Samir Mahgoub (2020). ISOLATION OF *Aeromonas* BACTERIOPHAGE AvF07 FROM FISH AND ITS APPLICATION FOR BIOLOGICAL CONTROL OF MULTIDRUG RESISTANT LOCAL *Aeromonas veronii* AFs2. Zagazig Journal of Agricultural Research 47(1):179-197
18. Salma Salem, H. Abd El-Fattah, Howaida Abdelbasit, Samir Mahgoub (2021). SOLATION AND CHARACTERIZATION OF PHENOL DEGRADING BACTERIA FROM INDUSTRIAL WASTEWATER AND SEWAGE WATER. March 2021Zagazig Journal of Agricultural Research 48(2):443-457.
19. Aya Ahmed El-Bahnasawy, H. Abd El-Fattah, Howaida Abdelbasit, Samir Mahgoub (2021). CHANGES IN MICROBIOLOGICAL QUALITY AND SAFETY OF VACUUM-PACKED COLD-SMOKED SALMON (*Salmo salar*)

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DURING STORAGE. January 2021 Zagazig Journal of Agricultural Research  
48(1):175-185

### **9.3. ARTICLES IN INTERNATIONAL PEER-REVIEWED JOURNALS**

1. Mahmoud Sitohy, Samir Mahgoub, Ali Osman (2011). Controlling psychrotrophic bacteria in raw buffalo milk preserved at 4 °C with esterified legume proteins. *LWT-Food Science and Technology*, 44, 1697-1702.
2. Samir Mahgoub, Ali Osman and Mahmoud Sitohy (2011). Inhibition of growth of pathogenic bacteria in raw milk by legume protein esters. *Journal of Food Protection*. Volume 74, Number 9, 1475-1481.
3. Mahmoud Sitohy, Samir Mahgoub and Ali Osman (2012). In vitro and in situ antimicrobial action and mechanism of glycinin and its basic subunit. *International Journal of Food Microbiology*, 154, 19-29.
4. Osman, Ali; Mahgoub, Samir; El-Massry, Ragab; El-Gaby, Ali; Sitohy, Mahmoud (2013). Extent and Mode of Action of Cationic Legume Proteins against *Listeria monocytogenes* and *Salmonella* Enteritidis. *Probiotics & Antimicrobial Proteins*, 5:195–205.
5. Samir Mahgoub, Ali Osman and Mahmoud Sitohy (2013). Counteracting recontamination of pasteurized milk by methylated soybean protein. *Food and Bioprocess Technology*. 6:101–109.
6. Ali, O. Osman, Samir, A. Mahgoub and Mahmoud, Z. Sitohy (2013). Preservative action of 11S (glycinin) and 7S ( $\beta$ -conglycinin) soy globulin on bovine raw milk stored either at 4 or 25 °C. *Journal of Dairy Research*, 80 174–183.
7. Samir Mahgoub and Mahmoud Sitohy (2013). Comparative prevalence of pathogenic and spoilage microbes in chicken sausages from Egypt and Greece. *Health*, Vol.5, No.2, 274-284. ISSN: 1949-5005 (2013).
8. Hegazy, M. I., and, S.A. Mahgoub (2013). Microbiological characterization of the Egyptian soft white cheese and identification of its dominant yeasts. *African Journal of Microbiology Research*, 7 (20), 2205-2212.
9. Samir A. Mahgoub, Mohamed Fawzy Ramadan and Kahled M. El-Zahar (2013). Cold pressed nigella sativa oil inhibits the growth of foodborne pathogens and improves the quality of domiati cheese. *Journal of Food Safety*, 33:470-480.
10. Osman, Ali; Mahgoub, Samir; El-Massry, Ragab; El-Gaby, Ali; Sitohy, Mahmoud (2014). Extending the Technological Validity of Raw Buffalo Milk at Room Temperature by Esterified Legume Proteins. *Journal of Food processing and preservation*, 38 (1), 223-231.
11. Mohamed Fawzy Ramadan, Samir A. Mahgoub and Kahled M. El-Zahar (2014). Soft cheese supplemented with black cumin oil: Impact on food borne pathogens and quality during storage. *Saudi Journal of Biological Sciences*. *Saudi Journal of Biological Sciences* 21, 280-288.
12. Ali, O. Osman, Samir, A. Mahgoub and Mahmoud, Z. Sitohy (2014). Hindering milk quality storage deterioration by mild thermization combined with methylated chickpea protein. *International Food Research Journal* 21 (2), 693-701.
13. Mahmoud Sitohy, Samir Mahgoub, Ali Osman (2014). Bioactive proteins against pathogenic and spoilage bacteria. *Functional Foods in Health & Disease* 4 (10).

14. Samir Mahgoub, H. Abdelbasit, H. Abdelfattah, S. Hamed (2015).Monitoring phenol degrading *Candida* and bacterial pathogens in sewage treatment plant. *Desalination and Water Treatment*, 54 (8), 2059-2066.
15. Samir Mahgoub, H Abdelbasit, H Abdelfattah (2015). Removal of phenol and zinc by *Candida* isolated from wastewater for integrated biological treatment. *Desalination and Water Treatment*, 53 (12), 3381–3387.
16. Mahgoub SAM, El-Shourbagy GA. (2015). Microbiological and physicochemical criteria of fruit juices sold in Egypt: incidence of spore-forming bacteria. *Emir. J. Food Agric*, 27(11): 864-871.
17. Mohamed E. Abd El-Hack, Samir A. Mahgoub, Mahmoud Alagawany and Kuldeep Dhama (2015). Influences of Dietary Supplementation of Antimicrobial Cold Pressed Oil Mixture on Growth Performance and Intestinal Microflora of Growing Japanese Quails. *International Journal of Pharmacology* 11 (7): 689-696, 2015.
18. Samir Mahgoub, Petros Samaras, H Abdelbasit, H Abdelfattah (2016). Seasonal variation in microbiological and physicochemical characteristics of municipal wastewater in Al-Sharqiya province, Egypt (case study). *Desalination and Water Treatment*, 57 (5), 2355-2364.
19. Samir Mahgoub, Ali Osman and Mahmoud Sitohy (2016).Impeding *Bacillus* spore germination in vitro and in milk by soy glycinin during long cold storage. *Journal of General and Applied Microbiology*, 62, 52–59.
20. . Abd El-Hack, M. E; S. A. Mahgoub, M. Alagawany and E. A. Ashour (2016). Improving productive performance and mitigating harmful emissions from laying hen excreta via feeding on graded levels of corn DDGS with or without *Bacillus subtilis* probiotic. *Journal of Animal Physiology and Animal Nutrition*, 101, 904-913.
21. Samir Mahgoub, Costas Tsiptsias and Petros Samaras (2016). Biodegradation and decolorization of melanoidin solutions by manganese peroxidase yeasts. *Water Science and Technology*, 73 (10), 2436-2445
22. Mohamed F. Abo El-Maati, Samir A. Mahgoub, Salah M. Labib Ali M.A. Al-Gaby Mohamed Fawzy Ramadan (2016). Phenolic extracts of clove (*Syzygium aromaticum*) with novel antioxidant and antibacterial activities . *European Journal of Integrative Medicine* , 8 (494–504)
23. Ali Osman, Entsar Abbas, Samir Mahgoub and Mahmoud Sitohy (2016). Inhibition of *Penicillium digitatum* in vitro and in postharvest orange fruit by a soy protein fraction containing mainly b-conglycinin. *J Gen Plant Pathol*, 82:293–301.
24. Hemat K. Mahmoud, Adham A. Al-Sagheer, Fayez M. Reda, Samir A. Mahgoub, Mohamed S. Ayyat (2017). Dietary curcumin supplement influence on growth, immunity, antioxidant status, and resistance to *Aeromonas hydrophila* in *Oreochromis niloticus*. *Aquaculture, Volume 475, 1 June 2017, Pages 16-23*.
25. Samir A.M. Mahgoub, Ali Osman and Mohamed Fawzy Ramadan (2017). Inhibitory effect of *Nigella sativa* oil against *Listeria monocytogenes* and *Salmonella* Enteritidis inoculated in minced beef meat. *Journal of Food Measurement and Characterization*, 11, 2043-2051.
26. Mohamed E. Abd El-Hack, & Samir A. Mahgoub, & Mohamed M. A. Hussein, & Islam M. Saadeldin. (2018). Improving growth performance and health status of

- meat-type quail by supplementing the diet with black cumin cold-pressed oil as a natural alternative for antibiotics. Environ Sci Pollut Res (2018) 25:1157–1167.
27. Al-Sagheer A.A, Mahmoud H.K, Reda FM, Mahgoub S.A., Ayyat M.S. (2018). Supplementation of diets for *Oreochromis niloticus* with essential oil extracts from lemongrass *Cymbopogon citratus* and geranium *Pelargonium graveolens* and effect on growth intestinal microbiota antioxidant and immune activities. Aquaculture Nutrition. 2018; 24:1006–1014.
28. Mohamed M. A. Hussein, Mohamed E. Abd El-Hack, Samir A. Mahgoub, Islam M. Saadeldin, Ayman A. Swelum (2019). Effects of clove *Syzygium aromaticum* oil on quail growth, carcass traits blood components, meat quality, and intestinal microbiota. Poultry Science, Poult Sci. 2019 Jan 1;98(1):319-329
29. **Samir A. M. Mahgoub**, Mohamed E. Abd El-Hack, Islam M. Saadeldin, Mohamed A. Hussein, Ayman A. Swelum, and Mahmoud Alagawany (2019). Impact of *Rosmarinus officinalis* cold-pressed oil on health, growth performance, intestinal bacterial populations, and immunocompetence of Japanese quail. Poultry Science 0:1–11 <http://dx.doi.org/10.3382/ps/pey568>.
30. Abd El-Hack ME, Abdelnour S, Alagawany M, Abdo M, Sakr MA, Khafaga AF, Mahgoub SA, Elnesr SS, Gebriel MG. (2019). Microalgae in modern cancer therapy: Current knowledge. Biomedicine and Pharmacotherapy. 18;111:42-50.
31. Mahrose, K., Alagawany, M., Abd Elhack, M., **Samir A. Mahgoub**, and Faten Attia (2019). Influences of stocking density and dietary probiotic supplementation on growing Japanese quail performance. Anais da Academia Brasileira de Ciências (2019)91(1): e20180616 (Annals of the Brazilian Academy of Sciences).
32. Al-Sagheer, A., E. Abd El-Hack, M., Alagawany, M., Naiel, M., **Samir A. Mahgoub**, Badr, M., Hussein, E., Alowaimer, A., and Swelum, A. (2019). Paulownia Leaves as A New Feed Resource: Chemical Composition and Effects on Growth, Carcasses, Digestibility, Blood Biochemistry, and Intestinal Bacterial Populations of Growing Rabbits. Animals 2019, 9, 95; doi:10.3390/ani9030095.
33. **Samir A M Mahgoub**, Mohamed E Abd El-Hack ,Islam M Saadeldin, Mohamed A Hussein, Mahmoud Alagawany (2019). Impact of *Rosmarinus officinalis* cold-pressed oil on health, growth performance, intestinal bacterial populations, and immunocompetence of Japanese quail. Poultry Science Volume 98, Issue 51 May 2019 Pages 2139-2149.
34. **Samir Mahgoub**. Herbal medicine additives as powerful agents to control and prevent avian influenza virus in poultry-A review. Annals of Animal Science. 2019 |journal-article. DOI: 10.2478/aoas-2019-0043.
35. **Samir Mahgoub**. Inactivation of *Listeria monocytogenes* in ready-to-eat smoked turkey meat by combination with packaging atmosphere, oregano essential oil and cold temperature. AMB Express. 2019 |journal-article. DOI: 10.1186/s13568-019-0775-8
36. Coralie Dupas, Benjamin Métoyer, **Samir Mahgoub**, Halima El Hatmi ,Isabelle Adt, Emilie Dumas (2020). Plants: A natural solution to enhance raw milk cheese preservation? Food Research International, Volume 130 April 2020, 108883.
37. Aljubiri, S.M., Mahmoud, K., **Mahgoub, S.A.**, Almansour, A.I., Shaker, K.H Bioactive compounds from *Euphorbia schimperiana* with cytotoxic and



- antibacterial activities. South African Journal of Botanythis link is disabled, 2021, 141, pp. 357–366.
38. Omar, A.A., **Mahgoub, S.**, Salama, A., ...Christakis, C., Samaras, P. Evaluation of Lactobacillus kefir and manganese peroxidase-producing bacteria for decolorization of melanoidins and reduction of chemical oxygen demand. Water and Environment Journalthis link is disabled, 2021, 35(2), pp. 704–714
39. Nour, M.A., El-Hindawy, M.M., Abou-Kassem, D.E., **Samir Mahgoub.**El-Tarabily, K.A., Abdel-Moneim, A.-M.E. Productive performance, fertility and hatchability, blood indices and gut microbial load in laying quails as affected by two types of probiotic bacteria. Saudi Journal of Biological Sciencesthis link is disabled, 2021.
40. **Mahgoub, S.**, Alagawany, M., Nader, M., ...Al-Ghamdi, E.S., Dhama, K. (2021). Recent Development in Bioactive Peptides from Plant and Animal Products and Their Impact on the Human Health. Food Reviews Internationalthis link is disabled, 2021.
41. Aljubiri, S.M., Mahgoub, S.A., Almansour, A.I., Shaaban, M., Shaker, K.H (2021). Isolation of diverse bioactive compounds from Euphorbia balsamifera: Cytotoxicity and antibacterial activity studies. Saudi Journal of Biological Sciencesthis link is disabled, 2021, 28(1), pp. 417–426
42. Abou-Kassem, D.E., Elsadek, M.F., Abdel-Moneim, A.E., **Samir Mahgoub**...Abd El-Hack, M.E., Ashour, E.A. (2021). Growth, carcass characteristics, meat quality, and microbial aspects of growing quail fed diets enriched with two different types of probiotics (Bacillus toyonensis and Bifidobacterium bifidum). Poultry Sciencethis link is disabled, 2021, 100(1), pp. 84–93
43. Enan, G., Al-Mohammadi, A.-R., **Mahgoub, S.**, ...Taha, M.A., El-Gazzar, N. (2021). Inhibition of staphylococcus aureus LC 554891 by moringa oleifera seed extract either singly or in combination with antibiotics. Molecules this link is disabled, 2020, 25(19), 4583.
44. **Mahgoub, S.A.**, Abd El-Hack, M.E., Mulla, Z.S., ...Tufarelli, V., Swelum, A.A. (2021). Improving the quality of turkey meat via storage temperature, packaging atmosphere, and oregano (Origanum vulgare) essential oil addition. Agriculture (Switzerland)this link is disabled, 2020, 10(10), pp. 1–13, 463
45. **Mahgoub, S.A.**, Muhammad, M.I.S., Abd-Elsalam, S.T., Alkhazindar, M.M., Abdel-Shafy, H.I. Isolation and characterization of pseudomonas aeruginosa and enterococcus faecalis lytic bacteriophages from wastewater for controlling multidrug resistant bacterial strains. Plant Archivesthis link is disabled, 2020, 20, pp. 450–464.
46. Mansour, E., Mahgoub, H.A.M., **Mahgoub, S.A.**, ...El-Tarabily, K.A., Desoky, E.-S.M (. (2021). Enhancement of drought tolerance in diverse Vicia faba cultivars by inoculation with plant growth-promoting rhizobacteria under newly reclaimed soil conditions. Scientific Reports, 11(1), 24142.
47. Nour, M.A., El-Hindawy, M.M., Abou-Kassem, D.E., **Samir Mahgoub**, ...El-Tarabily, K.A., Abdel-Moneim, A.-M.E. (2021). Productive performance, fertility and hatchability, blood indices and gut microbial load in laying quails as affected by two types of probiotic bacteria , Saudi Journal of Biological Sciences, 28(11), pp. 6544–6555

48. Aljubiri, S.M., Mahmoud, K., **Mahgoub, S.A.**, Almansour, A.I., Shaker, K.H. (2021). Bioactive compounds from *Euphorbia schimperiana* with cytotoxic and antibacterial activities. *South African Journal of Botany*, 141, pp. 357–366
49. Omar, A.A., **Mahgoub, S.**, Salama, A., ...Christakis, C., Samaras, P. (2021). Evaluation of *Lactobacillus kefir* and manganese peroxidase-producing bacteria for decolorization of melanoidins and reduction of chemical oxygen demand. *Water and Environment Journal*, 35(2), pp. 704–714
50. **Mahgoub, S.**, Alagawany, M., Nader, M., ...Al-Ghamdi, E.S., Dhama, K. (2021). Recent Development in Bioactive Peptides from Plant and Animal Products and Their Impact on the Human Health. *Food Reviews International*, in press
51. El-Hack, M.E.A., El-Kholy, M.S., Ashour, E.A., ...Mohamed, **Samir Mahgoub**, A.M.T., Alagawany, M. (2022). Growth, carcass, digestive enzymes, intestinal microbiota and economics in growing Egyptian geese as affected by dietary fiber and fat levels . *Rendiconti Lincei*, 2022, 33(4), pp. 785–806
52. **Mahgoub, S.A.**, Kedra, E.G.A., Abdelfattah, H.I., ...Saber, W.I.A., El-Mekawy, R.M. (2022). Bioconversion of Some Agro-Residues into Organic Acids by Cellulolytic Rock-Phosphate-Solubilizing *Aspergillus japonicus*. *Fermentation*, 2022, 8(9), 437
53. **Mahgoub, S.A.**, Elbahnasawy, A.A.F., Abdelfattah, H.I., Abdelbasit, M.L. (2022). Identification of Non-Listeria and Presence of Listeria in Processing Line Production of Cold-smoked Salmon. *Egyptian Journal of Chemistry*, 65(7), pp. 241–250
54. Mohamed, S.I.A., Shehata, S.A.M., Bassiony, **S.M.**, **Mahgoub, S.A.M.**, Abd El-Hack, M.E. (2022). Does the Use of Different Types of Probiotics Possess Detoxification Properties Against Aflatoxins Contamination in Rabbit Diets? Probiotics and Antimicrobial Proteins, Article in Press
55. El-Wafai, N.A., Alharbi, N.K., Ahmed, A.E., **Samir Mahgoub**, Atia, A.M.S., Abdel-Hamid, E.A.A. (2022). Controlling of multidrug resistant *Aeromonas hydrophila* infected Nile tilapia (*Oreochromis niloticus*) using Ah01 and Ah02 virulent bacteriophages isolates, *Saudi Journal of Biological Sciences*, Article In Press.

#### 9.4.CHAPTERS IN COLLECTIVE VOLUMES

1. Samir Mahgoub (2013) “Microbiological Problems of Traditional (Ethnic) Foods”, LAP Lambert Academic Publishing
2. Samir mahgoub, Ali Osman and Mahmoud Sitohy (2013). Chapter in Book entitled “Microbial pathogens and strategies for combating them: science, technology and education (Bioactive proteins against bacterial pathogens and spoilage, Formatex, [www.formatex.org](http://www.formatex.org).
3. Samir A. Mahgoub (2019). Fermented Food in Egypt: A Sustainable Bio-preservation to Improve the Safety of Food. Springer. Chapter in Book entitled “A. M. Negm and M. Abuhashim (eds.), Sustainability of Agricultural Environment in Egypt: Part I - Soil-Water-Food Nexus , Hdb Env Chem, DOI 10.1007/698\_2018\_245,©Springer International Publishing AG 2018
4. Mohamed E. Abd El-Hack, Ahmed E. Noreldin, Samir A. Mahgoub, and Muhammad Arif (2018). Ways to Minimize Nitrogen Emissions in Agricultural

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## 10. Current International and national projects (PI)

1. The project number 4 “AROMATIC (Natural bioactive molecules for safe and sustainable dairy products). The research projects funded through the 2017 Joint Call, INRA, Paris, France.

