

---

**Curriculum Vitae**  
**of**  
**Dr. Ghada Mahmoud Khiralla**

**Personal Information:**

Family Name: Khiralla

First Name: Ghada

Date and place of Birth: 30. 08.1972 Cairo, Egypt

Gender: Female

Nationality: Egyptian

Marital Status: Married

Languages: Arabic (mother-language)  
English

Business and Mailing Address:

National Organization for Drug Control and Research (NODCAR), 6-7, AboHazem St,  
Pyramids, PO Box 29, Giza, Egypt

E-mail: gkhiralla@yahoo.com

Mobile: 00201122983271

**h-index (Scopus): 5**

**h-index (Google Scholar): 6**

**Research-Gate Rank: 11.3**

**Academic Qualifications:**

- Ph.D., Food Science and Technology, 2009, Department of Food Science, Faculty of Agriculture, Ain Shams University, Cairo, Egypt. Title of Ph.D. Thesis: "Biological and Physicochemical evaluation of some functional foods prepared for children"
- M.Sc. : Food Science and Technology, 1999 Department of Food Science, Faculty of Agriculture, Ain Shams University, Cairo, Egypt. Title of M.Sc. Thesis: "Production and evaluation of some products processed from soybean"
- B.Sc.: Food Science June/ 1994 with final degree "Very Good". Department of Food Science, Faculty of Agriculture, Ain Shams University, Cairo, Egypt.

**Employment:**

- Associate Professor (2016 – till present), Department of Food Science and Nutritional evaluation, National Organization for Drug Control and Research (NODCAR).
- Assistant Professor of Biotechnology (2010-2014), Department of Biotechnology, Faculty of Science, Taif University, KSA
- Researcher (04.02.2010 –2016), Department of Food Science and Nutritional evaluation, National Organization for Drug Control and Research (NODCAR).



- Assistant Researcher (26.11.2006 – 04.02.2010), Department of Food Science and Nutritional evaluation, National Organization for Drug Control and Research (NODCAR).
- Postgraduate Student (1994- 26.11.2006), Agriculture Research Center, Food Technology Research Institute, Giza, Egypt.4

### Awards:

- **Taif University Prize for Scientific Publishing - 2013**
- **Taif University Prize for Scientific Publishing - 2014**

### Experience and Activity in Education:

1. Teaching the following courses at Department of Biotechnology, Faculty of Science, Taif University, KSA
  - Introduction to Genetic Engineering
  - Introduction of Biotechnology
  - Molecular Biology
  - Microbial Biotechnology
  - Genetic modified Foods
  - Petroleum Biotechnology
  - Industrial Microbiology
  - Graduation Projects
2. Preparing The examination Table of Undergraduates at Department of Biotechnology, Faculty of Science, Taif University, KSA.
3. Member of “The Examinations follow-up committee”
4. Attending the following Training Courses:
  - a. **“Modern strategies of teaching (ACTIVE LEARNING)”** 13-16 February **2011**, Faculty of Education, Taif University, KSA.
  - b. **“Development of communication skills”** 15- March **2011**, King Abdulaziz City for Science and Technology, KSA.
  - c. **“Quality Requirements in E-Learning and Learning Management Systems.** 20-21 March, **2012**.
  - d. **“Development Research Abilities: Idea Formulation and Research Management**), 21 November **2012**.
  - e. **“Designing scientific posters”** DAAD Cairo, 16 December **2014**.
  - f. Egyptian Knowledge Bank, Taylor & Francis group Workshop “ **Labor Market and international publishing** “ 17th October **2018**
  - g. **“Practical application on Mendely”** NODCAR, 2020
5. Student Activities
  - a. Member of the Scientific Committee of the Conference of Higher Education Students in the Kingdom of Saudi Arabia, 2012.
  - b. Member of the Scientific Committee of the Conference of Higher Education Students in the Kingdom of Saudi Arabia, 2013.
  - c. Member of the Scientific Committee of the Conference of Higher Education Students in Taif University, 2013.



- 
- d. Member of the Organization Committee of the Scientific Fair of Faculty of Science, Taif University, 2013.

## Professional Experience:

### • *Research Experience*

- Nutrition - Functional Foods - Microbial fermentation, Pre- and Pro-biotics, and basic Microbiological examinations of foods (MSc. & Ph.D).
- Biofilm analysis (Publications).
- Microbial genetic techniques including PCR, DNA sequencing, Protein analysis, and Electrophoresis (DNA and Protein) (Publications).
- Sensory evaluation of foods (MSc., Ph.D. & Publications)
- Risk assessment and biological evaluation of some food additives (Publications)
- Molecular detection and identification of microorganisms (PCR-based technique; 16S rRNA) (Publications)
- Chromatography analysis (HPLC, and LC-MS-ESI analysis) (Publications).
- Biosynthesis and characterization of metal nanoparticles (Publications).

### • *Field of Interest*

Nutrition, Food Microbiology, Microbial Biofilm, Industrial Fermentation, Microbial Genetics, Biotechnology, Risk assessment and Food Safety, Nanotechnology.

## Conferences

1. Recent Trend in The Natural Product and Medical Plants Research. " National Research Center, 4 March, **2019**
2. Biotechnology and Agriculture Development, Faculty of Agriculture, Ain Shams University, 17- 18 March, **2019**.
3. The 7<sup>th</sup> international conference of Food industries and nutrition research division "The Scientific Research and Industry in the Service of Food and Nutrition" National Research Center, 25-26 September, **2018**.
4. The Scientific Day For" The Gastrointestinal Diseases & Nutritional Therapy" National Research Center, 8 November, **2016**.
5. The 2<sup>nd</sup> Symposium of Chemistry of Flavor and Aroma Department "Flavour Technology: Current and Future" National Research Center .28 December, **2016**.
6. The 12<sup>th</sup> national conference for biochemistry and molecular biology "Role of biochemistry and molecular biology in drug discovery and disease diagnosis" 15- 17 March, **2015**, Organized by NCBMB, Gust house, Ain Shams University.
7. The scientific annual conference of Food Science Department, 4 May **2015**. Faculty of Agriculture, Cairo University.
8. The 12<sup>th</sup> annual congress of medical sciences "Medical breakthrough technologies towards a healthy community" 17-18 December, **2014**. National Research center.

- 
9. The 12<sup>th</sup> annual congress of medical sciences "Egyptian Family Health and Nutrition Symposium" 17 December, **2014**. National Research center.
  10. "The International conference of food safety and technology" 22 May, **2014**.
  11. Fourth Scientific Conference for students of Higher "Education towards knowledge and creativity of privileged generation leadership", Umm Alqura University Mekkah, KSA, 2-4 May, **2013**.
  12. The 5<sup>th</sup> Saudi conference "A new vision of the role of basic sciences in development" 16-18 April, **2012**. Umm Alqura University, Mekkah, KSA.
  13. The 26<sup>th</sup> Meeting of the Saudi Biological Society "Climate change and biodiversity" 10-12 May, **2011**, Taif University, KSA.

### **Reviewer**

for the following journals

- Foodborne Pathogens and Diseases, Marry Ann Liebert, USA.
- Journal of Food Science and Technology (JFST), Springer.
- External reviewer in the student conferences, Higher education ministry, KSA.
- Official Reviewer for STDF- projects.

### ***Member of the following Societies:***

- Member of the Egyptian Society for Food Science and Technology, Egypt.
- The Japanese Society for Food Science and Technology, Japan.

### **External Co- Principle investigator in the following projects:**

- "Molecular identification of fungi contaminated pomegranate fruits and the role of processing in reduction of mycotoxin in juice" (*Project No. 1-434-2563*).
- "Molecular Identification of *Staphylococcus equorum* and Its Antimicrobial and Anti-biofilm Effects against some foodborne pathogens. (*Project No. 1-433-2632*).
- "Molecular characterization of chitinase producing Streptomyces and their potential antagonists of some phytopathogenic fungi" (*Project No. 1-432-1023*).
- "A Case study of Biodetoxification of Aflatoxin B1: Isolation and molecular characterization of Bacterial isolates able to detoxify aflatoxin B1" *Project No. 2-432-689*).
- **"Biofilms in Food industry: Biodiversity and adhesion ability of biofilm-forming bacteria in meat plants, Project ID: 34782, 5/9/2019 to 5/12/2020.**

### ***Computer Experience:***

Windows Systems, MS Office (Word, Excel, Power Point and Access)

### **Genomic DNA/RNA**

**140 nucleotide sequences of bacterial and fungal strains recorded in the NCBI- Database.**

---

## List of Publications:

1. SB Ahmed, **G Khiralla**, SA Harudy, H Elhariry. (2020). Protective Effect of *Terminalia muelleri* Extract on Brain of Streptozotocin-Induced Diabetes in Albino Rats. *Academic Journal of Life Sciences* 6 (6), 53-60
2. **G Khiralla**, HM Ali (2020). Bioavailability and antioxidant potentials of fresh and pasteurized kiwi juice before and after in vitro gastrointestinal digestion. *Journal of Food Science And Technology-Mysore*, Published Online, April 2020. **IF: 1.946**  
SB Ahmed, MS Hamed, **GM Khiralla**, AF Mohamed (2020). Cactus and lupin extracts as prospective anticancer agents compared with utoral drug. *Journal of Food Biochemistry*. First published: 02 June 2020. **IF: 1.662.**  
**Ghada Khiralla**, Hesham Elhariry, Shawky M. Selim (2020). Chitosan-stabilized selenium nanoparticles attenuate acrylamide-induced brain injury in rats. *Journal of Food Biochemistry*, Version of Record online 4 August 2020. **IF: 1.662.**  
**Ghada Khiralla** (2019), Protective Effect of Selenium Nanoparticles against Acrylamide-Induced Hepatotoxicity in Albino Rats. *Journal of Food and Dairy Sciences*. 10: 359-363.
6. **Ghada Khiralla**, Adel El-Tarras, and Hesham Elhariry. (2019) Dihydrofolate reductase thermosensitive (ts-dfrA) mutant induces dihydrofolate overproduction by *Lactobacillus plantarum*. *Food Biotechnology*. (Accepted in 2018). **IF: 0.92.**
7. **Khiralla, G.M.** (2019). Technological Activities and Antibiofilm Effect of *Staphylococcus Equorum* Isolated from Fermented Sausage. *Journal of Food Engineering and Technology*. 8 (1):22-28.
8. Elhariry, H, **Khiralla, G**, Gherbawy, Y, Abd Elrahman, H. (2016). Natural occurrence of *Alternaria* toxins in pomegranate fruit and the influence of some technological processing on their levels in juice. *Acta Alimentaria* 45(3):380-389. **IF: 0.384.**
9. **Khiralla, G.M.**, El-Deeb, B.A. (2015). Antimicrobial and antibiofilm effects of selenium nanoparticles on some foodborne pathogens. *LWT - Food Science and Technology*, 63 (2): 1001-1007. **IF: 4.006.**
10. **Khiralla, G.M.** (2015). Cholesterol degradation by some bacteria isolated from food. *Food Science and Technology Research*. 21(5): 685\_693. **IF: 0.448.**
11. **Khiralla, G.M.** (2015). Antibiofilm and anti-adhesive effects of ginger against some food-related pathogens. *Journal of Food Research and Technology*, 3(3): 2015, 3(3): P :87-96| ISSN: 2347 - 5749
12. **Khiralla G. M.**, Mohamed, E.A.H., Farag, A.G., Elhariry H. (2015). Antibiofilm effect of *Lactobacillus pentosus* and *Lactobacillus plantarum* cell-free supernatants against some bacterial pathogens. *Journal of Biotech Research*, 6:86-95.
13. Elhariry H.M., Abuzaid A.A., **Khiralla G.M.**, Gherbawy Y. (2014). Antibiofilm formation and anti-adhesive (to HEp-2 cells) effects of rosemary water extract against some food related pathogens. *International journal of Food Science and Technology*. 49(4): 1132-1141. **IF: 2.773.**
14. **Khiralla, G.M.**, Salem, S. A., El-Malky, W. (2015). Effect of natural and synthetic food coloring agents on the balance of some hormones in rats. *International Journal of Food Science and Nutrition Engineering*. 5(2): 88-95.



- 
15. Salem, S. A., [Khiralla, G.M.](#), El-Malky, W. (2015). Effect of Natural and artificial colors of foods on immunological properties in experimental rats. *J. Biol. Chem. Environ. Sci.*, 10(4): 25 – 45.
  16. El-Malky, W., [Khiralla, G.M.](#), Salem, S. A. (2014). Nutritional study of some food coloring agents on experimental rats. *International Journal of Nutrition and Food Sciences*. 3(6): 538-544.
  17. Eldakak, A.M.N.H., [Khiralla, G.M.](#), El-Nahal, D. M. (2014). Effect of partial replacement of monosodium glutamate by 5 inosine monophosphate on the fertility of male rats. *Arab Universities journal of Agricultural Sciences*. 22(2): 409-423.
  18. [Khiralla, G.M.](#), Salem, S. A. (2012). Biological evaluation of wheat-salty extract, milk-wheat solution and fermented soymilk for treatment of castor-oil induced diarrhea in rats. *Journal of Food Research*. 1(1): 298-307.
  19. Gherbawy Y., Elhariry H.M., Altalhi A., El-Deeb, B.A. [Khiralla G.M.](#) (2012). Molecular screening of family 19 chitinase-producing *Streptomyces* and their potential antagonists against some phytopathogenic fungi. *Journal of Microbiology* 50 (3): 459-468. [IF: 1.276](#).
  20. [Khiralla, G.M.](#), Rasmy, N.M.H., El-Malky, W.A., Ibrahim, M.T. (2009). The role of fermented soymilk with potential probiotic properties in the treatment of diarrhea in young rats. *Pakistan Journal of Biotechnology*, 6 (1-2): 89-100.
  21. Ibrahim, M.T., Rasmy, N.M.H., Baswony, A.E., [Ghada.M.K. Saad](#) (2000). Studies on the factors affecting yield and quality of tofu. *Ann. Agric. Sci. Moshtohor*. 38(1): 399-414.
  22. Rasmy, N.M.H., M.T. Ibrahim, A.E Basyony and [Ghada.M.K. Saad](#) (2000). The effect of some factors on quality of soy yoghurt. *Ann. Agric. Sci. Moshtohor*. 38(3): 1539-1556.
  23. Rasmy, N.M.H., M.T. Ibrahim, A.E Basyony and [Ghada.M.K. Saad](#) (1999). Microbiological evaluation and shelf life stability of tofu. *Ann. Agric. Sci. Moshtohor*. 37(4): 1515-1528.

Signature

Dr. Ghada Mahmoud Khiralla