

## Curriculum Vitae



### **Prof. Dr. Eman Fouad Mohamed**

#### **Personal Data**

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**Current Position:** Professor of Food Science,  
Dept. of Food Science, Faculty of Nutrition Science, Helwan University.

#### **Academic qualifications:**

- Bachelor's degree in Home Economics, Nutrition and Food Science, department in 1987 (First ranking in the college and my department), Helwan University.

- Master's degree in Home Economics (Nutrition and Food Science) in 1993, Helwan University.

**Titled** (Evaluation of some dietary formulas for school children.)

- Doctorate of Philosophy in Home Economics (Nutrition and Food Science) in 1997, Helwan University.

**Titled** (Chemical and biological studies on low fat meat products using vegetable protein and some hydrocolloids.)

#### **Career progression:**

- Teaching assistant from 6/12/1987 in the Department of Nutrition and Food Science, Faculty of Home Economics/ Helwan University.

- Assistant lecturer from 14/3/1993 in the Department of Nutrition and Food Science, Faculty of Home Economics/Helwan University.

- Lecturer since 14/10/1997 in the Department of Nutrition and Food Science, Faculty of Home Economics/Helwan University.

- Assistant Professor from 25/6/2006 in the Department of Nutrition and Food Science, Faculty of Home Economics/ Helwan University.

Professor from 26/6/2012 in the Department of Nutrition and Food Science, Faculty of Home Economics/ Helwan University.

**Professional memberships:**

1. Egyptian society of home economics
2. Egyptian society of nutrition
3. Egyptian society of food science and technology
4. Egyptian Society for Dairy Sciences.

**Member of the arbitration committee in the Scientific Committee for Domestic Economics to evaluate scientific production for promotion (to the rank of assistant professor and professor).**

**Supervising thesis:**

- Evaluation of Therapeutic Nutrition For Renal Disease in Some Hospitals in Cairo.
- Improving and extending shelf life of bakery products by using doum and locust bean pod powders".
- Utilization of Stevia Leaves Plant Extract as a Sucrose Substitute in Some food product.
- The impact of mushroom flour on nutritional value and quality of selected bakery products.
- Study of Functional properties of probiotic and prebiotic on Quality Characteristics of some fruit juices.
- Production of chips from non-traditional plant sources.

**• Discussion of thesis:**

- Physio-Chemical Properties and Quality Attributes of Date Products repared from Different Varieties of Date.
- Influence of Date Pits on Diabetic Male Rats.
- Synergistic effect and ant-staling of selected enzymes and galactomanan gum on balady bread quality.
- Influence of dry whole milk and yoghurt on atherogenic risk in male albino rats.
- Study on the effect of oats and almonds on the damage resulting from the use of tartrazine in experimental animals.

- Study of Potential Effect of Banana Flower and Papaya Leaves in Alloxan-Induced Diabetic Rats.
- Study on The Possibility of Using Propolis and Miswak Extracts as Preservative Agents in Chicken Meat Products.
- Effect of Chia and Quinoa seeds on biological, biochemical and histopathological changes of induced diabetic obese rats.
- The effect of *Tinnas Grewia* on raising hemoglobin levels in the females of white rats.
- Anti- Obesity Effect of Garcinia Cambogia Peels on Induced Obese Rats.
- Effect of Carob Seeds (*Ceratonia siliquell.*) in Treatment of Liver Function Defect CCl4 – Induced Rats.
- Study the Effect of Mushroom (*Ganoderma lucidum*) on Diabetic Rats
- Evaluation of the Effect of Different Natural Herbs as Antimicrobial and Antioxidant Activity on Meat and Chicken Burger.
- Anti-Diabetic Effect of Germinated and Un-Germinated Barley on Induced Diabetic Rats and Its Application on Bread Quality.

### **Researches:**

- Effect of Enrichment on Nutritive Value of French Rolls For School Children with Some Grain Flours. 8-9 September. Journal of Home Economics, Minufiya University, 8(4):243- 258 (1998).
- Chemical and Nutritional Characteristics of Fortified Pie with Some Vegetable Protein. Fayoum J. Agric., Res. & Dev. 16(1):204- 212 (2002).
- Comparative study of some physiological parameters in the haemolymph of two crabs *Ocypoda saratan* and *Grapsus albolineatus* from protected areas of Red sea. The Scientific Journal of Al-Azhar Medical Faculty (Girls), 24(2):1545-1555 (2003).
- Evaluation of Therapeutic Nutrition For Renal Disease in Some Hospitals in Cairo. Journal of Home Economics, Minufiya University, 13(1):51-70 (2003).
- Preparation and Evaluation of some bakery products with higher Quality and Nutritive Value. The 8 th Scientific Conference of Home Economics, Helwan University. 21-22 April PP. 196-210.
- Effect of some antioxidants on carbon tetrachloride induced liver injury. The Egyptian Nutrition Society, XIX(3):191-208 (2004).
- Effect of freezing and cooking on chemical composition and some biological quality on balady and imported beef. Annals of Agricultural Science Moshtohar, 42(1):91-102 (2004).
- Effect of parsley on both healthy rats and those suffering from acute renal failure. The New Egyptian Journal Of Medicine, 34(1):33-39 (2006).

- Utilization of some wastes of sugarcane and pea in treating rats suffering from diabetes mellitus. *Egyptian journal of Nutrition*, XXIII(3):93-120 (2008).
- Protective role of wheat germ and its oil on some biochemical parameters in diabetic rats. *Journal of Home Economics, Helwan University*, 24:1-14(2008).
- Improving and extending shelf life of bakery products by using Doum and Locust bean pod powders. *Egyptian journal of Nutrition*, XXV(3):69-100 (2010).
- Ban bread quality as affected by low and high viscous Hydrocolloids gum, *World Journal of dairy Sciences*. 5(2):100-106, (2010).
- Functional Attribute of Chickpea and Soybean Flour Blends on Quality Characteristics of Shortening Cake. *European of Applied Sciences*. 2(2):44-50, 2010.
- Effect of flaxseed on reduction of diabetic complications in experimental rats. *The New Egyptian Journal Of Medicine*, 44(6):500-507 (2011).
- The Effect of Dandelion (*Taraxacum officinale*) on Weight Loss and Lipid Profile in Male Obese Rats. *Egyptian journal of Nutrition*, XXVI(4):1-23, (2011).
- The impact of natural Stevia extract (stevioside) as a sucrose replacer on quality characteristics of some food products.: *Middle East Journal of Applied Sciences*, 6(1):40-50 (2016).
- Quality evaluation of cake and biscuits fortified with mushroom flour. *J of Applied Human Science, Special issue*. 837-859 (2019 ).
- Evaluation Quality of Guava Juice Fortified with Probiotic. *Middle East Journal of Applied Sciences*, 10:(3) 442-460 (2020).
- Study of functional properties of probiotic and prebiotic on quality Characteristics of mango juice. *Current Science International*, 9(3):387-406 (2020).
- Production of banana chips using different drying methods. *Home Econ. J.* 40: (4) 61-80 (2024)