



## GAMAL M. HAMAD

Associate Professor (Food Safety)  
Acting Head of Food Technology Dept,

<b>PERSONAL INFORMATION</b>	Full Name: Affiliations:  Address:  Mobile No.:  E-mail:  Important links:	Gamal Mohamed Elsayed Hamad ASSOCIATE PROFESSOR, Food technology Department, Arid Lands Cultivation Research Institute (ALCRI), City of Scientific Research and Technological Applications (SRTA-City). Universities and Research Centre, New Borg El-Arab City, P.O. Box:21934, Alexandria, EGYPT. 02 0102-4934006                      02 0129-137660 hamad6751@yahoo.com              drhamad2020@yahoo.com hamad6751@mucsat.sci.eg <a href="https://scholar.google.com/citations?user=Jqp6o_kAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Jqp6o_kAAAAJ&amp;hl=en</a>
<b>EDUCATION</b>	<b>PHD (2009):</b> Microbial Genetics Genetic Dept, Faculty of Agriculture-Alexandria University. <b>M.SC (2005):</b> Microbial Genetics Genetic Dept, Faculty of Agriculture, Ain Shams University. <b>B.SC (2000):</b> Genetics Genetic Dept, Faculty of Agriculture, Ain Shams university, <b>B.SC (1992):</b> Agricultural science, Higher Institute for Cooperation on Agriculture, Cairo, Egypt.	
<b>ACTIVITIES</b>	<b>Scientific Activities</b> <i>Research Interest</i> <ul style="list-style-type: none"> <li>- Food Safety</li> <li>- Food Contaminants</li> </ul>	

- *Food toxicology*
- *Food control*
- Food analysis and Safety
- Detection of Food Toxicology and Contaminants
- New Strategies to *detoxification* and reduce Food Contaminants
- Food Microbiology
- Mycotoxins in foods
- New Techniques in food processing
- Functional Foods

***workshops***

1. Attending “Safety Precautions in Laboratories and Industry” in City of Scientific Research and Technological Application, 27<sup>th</sup> January 2019, Alexandria.
2. Attending “Malaysian palm oil and its applications in food” by Malaysian Palm Oil Council (MPOC Cairo) cooperation with City of Scientific Research and Technological Applications (SRTA-City)-Arid Lands Cultivation Research Institute. in April 2018
3. Attending “Electrospinning Technique: From Fundamental into Nanotechnological Application ” by City of Scientific Research and Technological Applications (SRTA-City). in April 2018
4. Attending “Contaminants in water and Food” by City of Scientific Research and Technological Applications (SRTA-City). in March 2017
5. Attending "Towards a Good Research" by City of Scientific Research and Technological Applications (SRTA-City)-Arid Lands Cultivation Research Institute.. in January 2017
6. Attending “Food Contaminants: Risk, Detection and prevention” in City of Scientific Research and Technological Applications (SRTA-City)-Arid Lands Cultivation Research Institute. in September 2016
7. Attending “Research ethics: Basics and Principles” in City of

	<p>Scientific Research and Technological Applications (SRTA-City)-Arid Lands Cultivation Research Institute. from 14-29 March in 2016</p> <p>8. Attending “food Hygiene and safety” the National Research Centre. In February 2016</p> <p>9. Attending “Workshop on Egyptian Fungus Day” in The Auditorium Hall, Bibliotheca Alexandrina Main Building. In February 2106</p> <p>10. Attending “Moringa, its food and Medical importance” in City of Scientific Research and Technological Applications (SRTA-City)- Arid Lands Cultivation Research Institute. in May 2015</p> <p>11. organizing and active contribution “the 1<sup>st</sup> Mycotoxions workshop. Modern Detection of Mycotoxins in food and feed” City of Scientific Research and Technological Applications (SRTA-City)- Arid Lands Cultivation Research Institute. in February 2015</p> <p>12. Attending “Chromatography and New Techniques in Food Science”. Held in food Science Department Faculty of Agriculture Saba Basha Alexandria University in march 2015</p> <p>13. Attending “Data analysis and modeling using Costat Statistical Software” City of Scientific Research and Technological Applications (SRTA-City)-Arid Lands Cultivation Research Institute. in December 2014</p> <p>14. Attending “Nanotechnology and its Biological applications” in City of Scientific Research and Technological Applications (SRTA-City).Genetic Engineering and Biotechnology Research Institute. In April 2015</p> <p>15. Attending “Knowledge and Culture of ISO” in Arid Lands Cultivation Research Institute–City of Scientific Research and Technological Applications (SRTA-City). In April 2013</p> <p>16. Organizer " protein separation purification and amino acid content determination ". from 3-9 July 2004 in City of Scientific Research and Technological Applications (SRTA-City).Genetic Engineering and Biotechnology Research Institute.</p> <p>17. Attending “Applications in fingerprint by TLC” in December</p>
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	<p>2006 by Company Chromatech, in Cairo, EGYPT.</p> <p>18. Attending " Advanced Technology of LC MS/MS in Food Analysis” in September 2007 by Company Agilent technologies in Cairo, EGYPT.</p> <p>19. Attending " Introduction to mass spectrometry and LC/MS/MS” in April 2008 by Company Applied Biosystems in Cairo, EGYPT.</p> <p>20. Attending " Advanced Technology of LCMS/MS in Environmental Applications " in May 2009 by Company Agilent technologies, in Cairo, EGYPT.</p> <p><b><i>Training Courses</i></b></p> <ol style="list-style-type: none"> <li>1. Training course on Texture Profile Analysis of food Products, Laboratory of Dairy Microorganisms and Cheese Research, Dairy Science and Technology Department. From 23-24 in 2016</li> <li>2. Training course on Molecular Identification of plants and Microbes as a Step for Gene Bank Development. in City of Scientific Research and Technological Applications (SRTA-City), from 11-28 October 2015.</li> <li>3. Training course on cultivation and development of Jatropha Curcas. in City of Scientific Research and Technological Applications (SRTA-City) in may 2013.</li> <li>4. training courses on security and health from Security and health institute in July 2010, Alexandria, EGYPT.</li> <li>5. Certificate of appreciation from the world scientific miracles in the Quran and Sunnah For effective participation for the success of the training course in the scientific miracles in Quran in 2010.</li> <li>6. Training course in first aid from the Egyptian Red Crescent Society in Alexandria, in May 2010</li> <li>7. Training course on ICDL by the UNESCO Office, in Decemper2009, Cairo, EGYPT.</li> <li>8. Training course on Flowcytometry FACS Application and sample preparation .January 2008 .</li> <li>9. Training course on Engineering and Quality Experts (EQE )</li> </ol>
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ISO-17025; in September 2007.

10. Training course on High Performance Liquid Chromatography (Agilent 1100 HPLC) by Agetec company, City of Scientific Research and Technological Applications (SRTA-City) in April 2006
11. Training course on EQE ( Engineering and Quality Experts ) ISO-17025; 2005
12. Training course on Atomic absorption Spectrometry, by Agetec Company, City of Scientific Research and Technological Applications (SRTA-City) in 2005 .
13. Training course on Introduction to SAS, in City of Scientific Research and Technological Applications (SRTA-City) 2004.
14. Training course on Protein Separation , purification and amino acid content determination, in City of Scientific Research and Technological Applications (SRTA-City) July 2004.
15. Training course on Gas Chromatography (GC), by HeinrichCompany, City of Scientific Research and Technological Applications (SRTA-City) in 2004 .
16. Training course on Amino acid analyzer-by company of Sykam Chromatech, City of Scientific Research and Technological Applications (SRTA-City)- in 2003.
17. Training course on Fast Performance liquid Chromatography (FPLC), City of Scientific Research and Technological Applications (SRTA-City) 2003.

#### ***Conferences and Symposiums***

1. The 1<sup>st</sup> International Conference of the Egyptian Society of Food Safety, 15-18th February 2018, Egyptian Society of Food Safety, National Research Center, held in Sharm El Sheikh.
2. The International Conference 3<sup>rd</sup> European Food Safety and Standards Conference, 24-25 October 2016, in Valencia, Spain

3. The International Conference of Food Safety and Technology, in Egyptian International Center for Agriculture, in May 2014, Dokki – Giza
4. BioVision Alexandria 2016 Conference, 12–14th April 2016 Bibliotheca Alexandrina in Alexandria, Egypt.
5. The Second International Conference on New Horizons in Basic and Applied Science, poster: A designed new combination of probiotics-plant extracts for bio-control of *Aspergillus niger* and aflatoxin B1 in both of food and water. From 1-6 in August 2015, Hurghada, Egypt.
6. Alexandria 6th Conference of the Food Science and Technology, From 4 to 6 March, 2014, Faculty of Agriculture, Alexandria University.
7. The 3th International Conference and Exhibition on probiotics, functional and Baby Foods. Naples, Italy. from 23-25 in September 2014.
8. the 3<sup>rd</sup> International Conference of the Arab Scientists Forum on Scientific Research & Development in the arab World and facing challenges dreams vacation-sharm el sheikh. In April 2014.
9. The 11th International Symposium on lactic acid Bacteria. from 31 August to 4 september 2014.
10. The International Conference 12th of Desert Technology, from 16-19 November 2015, Faculty of Agriculture, Cairo University, Cairo-Egypt.
11. Dairy: Food and Drug Symposium, 14th May 2018, National Research Center- Cairo- Egypt.
12. Future Challenges of Contaminants in Egyptian Food Symposium 14th March 2018, National Research Center, Giza.
13. New Prospects in Dairy Science and Technology Symposium, 10th December 2017, Dairy Science Department, National Research Center, Giza, Egypt.
14. Food Contaminants: Risk, Detection and Prevention Symposium, Active organizing of workshop, 26th September 2016, Food Technology Department, City of Scientific Research and Technological Applications. Alexandria.

15. Climate Change and Agricultural Sectors: Impacts, Vulnerability and Adaptation Symposium, 25th May 2016, organized by ARCA in City of Scientific Research and Technological Application, Alexandria.
16. Research Ethics: Basics and principles Symposium, 29th March 2016, City of Scientific Research and Technological Application, Alexandria.
17. Egyptian Fungus Day Symposium, 20 th February 2016, organized by Arab Society for Fungal Conservation, held in the Bibliotheca Alexandrina in Alexandria, Egypt.
18. Symposium of Modern Strategies to Reduce Food Contaminants, 25th February 2015, Food Toxicology and Contaminants Department, National Research Center, Giza, Egypt.

#### ***Membership of Scientific Societies***

1. Member in Egyptian Society of Natural Toxins
2. Member in Egyptian Society of Food Safety
3. Member in Egyptian Society of Food Science and Technology
4. Member in Egyptian Society of Halal Food Science and Products
5. Member in Society for Applied Microbiology
6. Member in Scientific Society for Food Industries, Alexandria University
7. Member in Ariab Society for Fungal Conservation.
8. Member in society of biochemistry

#### ***Supervisions***

##### ***Masters:***

1. Eman Sobhy Abdel Moaty: Master Thesis entitled “The use of genetic tools to detect and detoxify aflatoxin in some food” Agriculture plant Department, Faculty of Agriculture Saba Basha, Alexandria University, in preparation
2. Fatma Awd Abd El-Mwla Abd El-Hafez: The Role of

	<p>L.Carnitine and Solanum Nigrum as Food Supplement and Antioxidant against Thiamethoxam Induces Hepatotoxicity in Male Rats. Department of Zoology, <i>Faculty of Science, Alexandria University</i>.</p> <p>3. Abdullah Saad Mohammed Siddiq: Master Thesis entitled Natural antimicrobials to enhance safety and extend shelf life of minimally processed fruits and vegetables, Food Science Department - Faculty of Agriculture Saba Basha - Alexandria University. in preparation</p> <p><b>Ph.D:</b></p> <p>1. Neveen Mounir Mohamed Abdelmotilib: Ph.D. Thesis entitled “A study of occurrence and sequestration of aflatoxin M1 in milk, food hygiene Department, High Institute of Public Health, Alexandria University.</p> <p>2. Samy Elsayed Yamany Elshaer: The modulatory effect of Saussuera Costus extract against the toxic effect of Sodium Nitrite in male rats, Department of Environmental Studies, Institute of Graduate Studies and Research, University of Alexandria</p>
	<p><b>Administrative Activities</b></p> <ol style="list-style-type: none"> <li>1. Head of the Food Technology Department of the Arid Land Cultivation Research Institute, City of Scientific Research and Technological Applications 2020 by Resolution No. 33 of 2020 dated January 26, 2020.</li> <li>2. Member of the Council of the Arid Lands Research Institute, City of Scientific Research and Technological Applications for the 2019/2019 session by Resolution No. 274 of 2019 on 8/22/2019.</li> <li>3. Member of the Council of the Arid Lands Research Institute,</li> </ol>



	<p>City of Scientific Research and Technological Applications for the 2016/2017 session by Resolution No. 296 of 2016 dated 7/13/2016.</p> <ol style="list-style-type: none"> <li>4. Member of the Council of the Arid Lands Research Institute, City of Scientific Research and Technological Applications for the 2014/2015 session by Resolution No. 159 of 2014 dated August 19, 2014.</li> <li>5. Member of the Council of the Food Technology Department, City of Scientific Research and Technology Applications for the 2019/2020 session by Resolution No. 278 of 2019 on 8/22/2019.</li> <li>6. Member of the Council of the Food Technology Department, City of Scientific Research and Technology Applications for the 2017/2017 session in Resolution No. 316 of 2017 dated 8/15/2017.</li> <li>7. Member of the Council of the Food Technology Department, City of Scientific Research and Technological Applications for the 2014/2015 session of Resolution No. 203 of 2014 dated 9/29/2014</li> </ol> <p><b><i>Membership in Committees</i></b></p> <ol style="list-style-type: none"> <li>1. Member of the Occupational Safety and Health in City of Scientific Research and Technological Applications (SRTA-City <u>27/5/2015</u>).</li> <li>2. Member of Housing Committee in City of Scientific Research and Technological Applications (SRTA-City 1/10/2014).</li> <li>3. head of committee screening devices in City of Scientific Research and Technological Applications (SRTA-City 22/6/2014).</li> <li>4. Member of the examination committee chemicals in City of Scientific Research and Technological Applications (SRTA-City 4/2/2015)</li> </ol> <p><b><i>Membership of committees at the institute level</i></b></p>
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	<ol style="list-style-type: none"> <li>1. Head of Committee for Receiving Punches for Laboratories of the Arid Land Cultivation Research Institute, City of Scientific Research and Technological Applications for the year 2017 - Executive Order No. (153) for the year 2017 on 6/6/2017.</li> <li>2. Member of the Commission for the installation and operation of devices for the Arid Lands Agriculture Research Institute, City of Scientific Research and Technological Applications for the year 2016 - Executive Order No. (589) for the year 2016 on 9 /11/ 2016.</li> <li>3. Head of committee to open the housing unit in the housing of the Scientific Research and Technological Applications City for the year 2015, Executive Order No. (312) of 2015 dated 6/12/2015.</li> <li>4. Member of the Committee Opening the envelopes for a tender for the supply of chemicals to the Arid Lands Agriculture Research Institute - City of Scientific Research and Technological Applications for the year 2015, Executive Order No. (41) for the year 2015 on 2/2/2015.</li> <li>5. Head of the Committee Examination to find out the efficiency of computers for the Arid Lands Agriculture Research Institute, City of Scientific Research and Technological Applications for the year 2014 - Executive Order No. (438) of 2014 dated 11/10/2014.</li> <li>6. Member of the committee for deciding the number and tools of the Arid Lands Agriculture Research Institute - City of Scientific Research and Technological Applications for the year 2014, Executive Order No. (412) for the year 2014 dated 16/10/2014.</li> <li>7. Member of the Decision Committee for the Scientific Equipment of the Arid Lands Agriculture Research Institute - City of Scientific Research and Technological Applications for the year 2014, Executive Order No. (412) for the year 2014 dated 16/10/2014.</li> <li>8. Head of the Technical Examination Committee for the purchase by direct order of the Arid Land Agriculture Research Institute - City of Scientific Research and Technological Applications for</li> </ol>
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	<p>the year 2018, Administrative Resolution No. (1) for the year 2018 on 6/8/2018</p> <p><b>Extra-curriculum Activities</b>  <b><i>ORAL PRESENTATIONS</i></b></p> <ol style="list-style-type: none"> <li>1. Participation as a Lecture and instructor of practical work in Winter School Program, 28 January 2019, City of Scientific Research and Technological Application, Alexandria</li> <li>2. Lecture entitled "Nutrition and food safety " in Department of Agricultural Plant, Faculty of Agriculture Saba Basha - Alexandria University – in January 2018.</li> <li>3. Lecture entitled "Food Pollution and Safety Principles " in Department of Agricultural Plant, Faculty of Agriculture Saba Basha - Alexandria University – in February 2017.</li> <li>4. Lecture entitled "Mycotoxins and their risks" in Department of Agricultural Plant, Faculty of Agriculture Saba Basha - Alexandria University – in August 2016.</li> </ol> <p><b><i>Certificates of Acknowledgments</i></b></p> <ol style="list-style-type: none"> <li>1- Acknowledgment certificate from the Director of scientific research City and Secretary of Scientific Research for achievement in accreditation of the Central Lab for ISO 17025 by EGAC</li> <li>2- Acknowledgment Certificate from the organization of scientific mericle of Quran and sunnah, Cauiro office for the effective participation coused the success of the training module of scientific mericle of quran and sunnah for scientific specialists during the period of 8/5/2010-13/5/2010 that was organized by arabic syndicate of environment directorate of education and behavior development in Alexanderia</li> <li>3- Acknowledgment Certificate form Alfath for pharmaceutical</li> </ol>
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industries for the supervision and participation in stability studies of rainfall failure medicines and the supervision of all experiments of chemical activity estimation present in pharmaceutical product in a perfect success.

- 4- Acknowledgment Certificate from Dean Arid Lands  
Cultivation Research Institute Of effort and contribution to  
the success of all tenders for the institute and Departments

***International Arbitration Research***

1. Arbitration Research entitled " Incidence of Enterobacteriaceae in retail meat samples and their antibiotic susceptibility", Journal of Microbiology Research Journal International, Publisher Sciencedomain International, Numbr Ms\_MRJI\_40767.
2. Arbitration Research entitled " " Effects of the Incorporation of Cantaloupe Pulp in Yogurt: Physicochemical, Phytochemical and Rheological Properties ", Journal of Food Science and Technology International, Publisher SAGE Journals, Numbr FSTI-18-0083.
3. Arbitration Research entitled " Exposure Assessment of Infants to Aflatoxin M1 through Consumption of Breast Milk and Infant Powdered Milk in Brazil ", Journal of Journal of Advances in Microbiology, Publisher Sciencedomain International.
4. Arbitration Research entitled " Effects of Processing on the Levels of Pesticides in Some Commonly Consumed Meats from Sagamu, South-Western Nigeria", Journal of British Journal of Applied Science & Technology, Publisher Sciencedomain International.
5. Arbitration Research entitled " Evaluation of the Physical, Functional and Microbiological Properties of Composite Bread from Wheat, Tigernut and defatted Sesame flour blends", Journal of Asian Food Science Journal, Publisher Sciencedomain International.
6. Arbitration Research entitled " Microbiological quality and safety of dry-aged beef: evaluation of loins during ripening and freshly cut dry-aged beef steaks", Journal of Foodborne Pathogens and Disease, Publisher Mary Ann Liebert, Inc.
7. Arbitration Research entitled " Encapsulation of resveratrol using food-grade concentrated double emulsions ", Journal of Food Engineering, Publisher Elsevier, Numbr JFOODENG-D-17-01591.

<p><b>LIST OF PUBLICATIONS</b></p>	<ol style="list-style-type: none"> <li>1. <b><u>Gamal M.Hamad</u></b>, Neveen M. Abdelmotilib, Amira M.G.Darwish, Ahmed M. Zeitoun, Commercial probiotic cell-free supernatants for inhibition of <i>Clostridium perfringens</i> poultry meat infection in Egypt. <i>Anaerobe</i>, <a href="#">62</a>, 102181, 2020,</li> <li>2. <b><u>Gamal Hamad</u></b>, Neveen Mounir Abdelmotilib, Shaaban Mostafa, Ahmed Mohamed Zeitoun. Anti-Escherichia coli O157:H7 as Natural Preservative to Control and Prevent Food Contamination in Meat and Fish Products. <i>Pakistan Journal of Biological Sciences</i> 23(5):674-684. 2020</li> <li>3. Mohamed A Hassan, Tarek H Taha, <b><u>Gamal M Hamad</u></b>, Mohamed Hashem, Saad Alamri, Yasser S Mostafa. Biochemical characterisation and application of keratinase from <i>Bacillus thuringiensis</i> MT1 to enable valorisation of hair wastes through biosynthesis of vitamin B-complex, <i>International Journal of Biological Macromolecules</i>, <a href="#">153</a>, 561-572, 2020</li> <li>4. <b><u>Gamal M. Hamad</u></b><sup>1*</sup>, Elsayed E. Hafez<sup>2</sup>, Ahmed Khaled<sup>3</sup> and Amro A. Amara<sup>4*</sup>. Amino Acids Diets as Model for Investigating Cancer Induced by Acrylamide Produced during Wrong Food Cooking, <i>SOJ Biochem</i> 4(1): 1-14, 2018</li> <li>5. Amira M. G. Darwish, <b><u>Gamal M. Hamad</u></b> and Sobhy A. El Sohaimy. (2018). Nutrients and Constituents Relevant to Antioxidant, Antimicrobial and Anti-Breast Cancer Properties of <i>Salvia officinalis</i> L. <i>International Journal of Biochemistry Research &amp; Review</i>. 23(1): 1-13.</li> <li>6. Neveen M. Abdelmotilib, <b><u>Gamal M. Hamad</u></b>, Hesham B. Elderea, Eglal G. Salem and Sobhy A. El Sohaimy. Aflatoxin M1 Reduction in Milk by a Novel Combination of Probiotic Bacterial and Yeast Strains, <i>European Journal of Nutrition &amp; Food Safety</i>, 8(2): 83-99, 2018.</li> <li>7. <b><u>Gamal M. Hamad</u></b>, Ahmed M. Zeitoun, Marwa M. Abu-Serie, Elsayed E. Hafez. Detection and Control of Foodborne Pathogenic Bacteria Using <i>Solanum nigrum</i> Extract as Antibacterial in Meat Products. <i>Annual Research &amp; Review in Biology</i>, 23(6): 1-17, 2018</li> <li>8. <b><u>Gamal Mohamed Hamad</u></b>, Tarek Hosny Taha, Ali Mohammed Alshehri, Elsayed Elsayed Hafez. Enhancement of the Glutathione Production by Mutated Yeast Strains and its Potential as Food Supplement and Preservative. <i>Research Journal of Microbiology</i>, 13: 28-36(2018)</li> </ol>
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9. **Gamal M. Hamad**, Marwa M Abu-Serie, Safwat H. Ali, Elsayed E. Hafez. Combination Probiotic Supernatants Reduce Growth and Aflatoxin Production by *Aspergillus* spp in Food Contamination. *American Journal of Food Science and Technology*, 6, 2: 57-67(2018)
10. **Gamal M Hamad**, Tarek H Taha, Elsayed E Hafez, Safwat H Alid and Sobhy A El Sohaimea. Supplementation of Cerelac baby food with yeast–probiotic cocktail strains induces high potential for aflatoxin detoxification both *in vitro* and *in vivo* in mother and baby albino rats. *Journal of the Science of Food and Agriculture*,89(2):707-718 (2018).
11. **Gamal M. Hamad**, Amira M.G. Darwish, Marwa M Abu-Serie, Sobhy A. El Sohaimy. Antimicrobial, Antioxidant and Anti-inflammatory Characteristics of Combination (Cassia fistula and Ocimum basilicum) Extract as Natural Preservative to Control & Prevent Food Contamination. *Journal of Food and Nutrition Research*,5,10: 771-780(2017)
12. **Gamal Mohamed Hamad**, William A. Botros and Elsayed Elsayed Hafez. Combination of Probiotic Filtrates as Antibacterial Agent Against Selected Some Pathogenic Bacteria in Milk and Cheese. *International Journal of Dairy Science*,12, 6: 368-376(2017)
13. **Gamal M. Hamad**<sup>1</sup> | Eman Zahran<sup>2</sup> | Elsayed E. Hafez<sup>3</sup>. The efficacy of bacterial and yeasts strains and their combination to bind aflatoxin B1 and B2 in artificially contaminated infants food. *J Food Safety*. 37,4: e12365.1-9 (2017) .
14. **Gamal M. Hamad**, Tarek H. Taha, Elsayed E. Hafez and Sobhy El Sohaimy (2017) Physicochemical, Molecular and Functional Characteristics of Hyaluronic Acid as a Functional Food. *American Journal of Food Technology*,12, 2: 72-85.(2017)
15. **Gamal M Hamad**, Tarek H Taha, Elsayed E Hafez and Sobhy A El Sohaimy. Modern and effective combinations of probiotic and yeast strains to removal total aflatoxin (B1, B2, G1, G2, M1and M2) contaminated in cerelac for mother and babies (in vitro & in vivo). *Food Processing & Technology*, Volume: 7: (2016). DOI: 10.4172/2157-7110.c1.057
16. Tarek Taha,\*, **Gamal M. Hamad**, Mohamed S. Elnouby. Novel design of probiotics-coated nanofiber membrane for the treatment of aflatoxin contaminated water. *New Biotechnology* 33S (2016) S1–S213

<http://dx.doi.org/10.1016/j.nbt.2016.06.1222>

17. Mohamed E. Nady · Ahmed M. Mansour · Elsayed E. Hafez · Gamal Omran · **Gamal M. Hamad** · Sahar E. Harraz · Shady N. Allam · Ali A. Ahamad. (2016) Chicory abrogates oxidative stress, inflammation and caspase-dependent apoptosis in acute hepatic injury model induced by acetaminophen in rats. 8 (2016) 13-21 (2016)
18. **Gamal M. Hamad** 1\*, Tarek H. Taha 2, Ali Alshehri 3 and Nehal M. El-Deeb 4. (2016). Myrrh as a functional food with therapeutic properties against colon cancer in traditional meals. Journal of Food Processing and Preservation. 41,1: e12963 (2017)
19. Sobhy A. El Sohaimy, **Gamal M. Hamad**, Sameh E. Mohamed, Mohamed H. Amar, Rashad R. Al-Hindi. (2015). biochemical and functional properties of moringa oleifera leaves and their potential as a functional food. 4(4) :188-199(2015).
20. Hossam A Eid, Yhya H Assiri, Manea M Musleh, Tarek H Taha, Nehal M El-Deeb, **Gamal M Hamad**. (2015). An exploration of the effects of Commiphora glileadenis on a Streptococcus mutans biofilm. Journal of Oral Science,25,46:74-78.
21. Hossam A Eid, Alshahrani MA, Abo-Alazm EA, Musleh MM, Taha TH, El-Deeb NM, and **Gamal M Hamad**. (2015). Assessing the Effects of Different Plant Extracts on Primary Dental Plaque Colonizer and Human Fibroblast Cells. Austin J Dent.2(3): 1025.
22. **Gamal M. Hamad**, Tarek H. Taha, Nehal M. El-Deeb, Ali M. A. Alshehri. (2015). Advanced trends in controlling Helicobacter pylori infections using functional and therapeutically supplements in baby milk. Journal of Food Science and Technology –Mysore. 52(12):8156–8163
23. **G. M. Hamad**, T. H. Taha and M. A. Abu-Saied. (2014) Dual function of new food additive as a result of combination of polyvinyl alcohol and essential oils. Global Journal of Agriculture and Food Safety Sciences. 1, 28-38.