

Curriculum Vita

A. M. M. Metwally, Ph.D., CT



Personal Information

Name: Ahmed Mohamed Mohamed Elsayed Metwally
Title: Professor of Food Science & Human Nutrition; Dairy Technology, Faculty of Agriculture, Cairo University
Gender: Male
Citizenship: Egyptian
Date of Birth: December 16, 1970
Dwelling address: 31 Rod. 85, El-Maadi, Cairo, Egypt
Marital Status: Married, 2 children
Language Skills Arabic: Mother tongue.
English: Perfect command of written and spoken.
Computer Skills Excellent

Contact Information

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Academic Background

- 1- Doctor of Philosophy (Ph.D.) in Human Nutrition, Food & Dairy Sciences Department, Faculty of Agriculture, Cairo University, July 1999. The thesis entitled “Effect of physical and chemical modifications of butter oil on rats’ serum and tissues cholesterol and other lipids”.
- 2- Master’s degree (M.Sc.) in Human Nutrition, Food & Dairy Sciences Department, Faculty of Agriculture, Cairo University, December 1995. The thesis entitled “*Effect of milk fat ingestion on rats blood cholesterol and methods of modifications*”.
- 3- Bachelor’s degree (B.Sc.) in Agricultural Sciences - Food Science & Dairy Technology, from Faculty of Agriculture, Cairo University, May 1991, Excellent with Honor Grade, 1st Position.

Academic Leadership Posts

- 1- **Vice Dean** of Faculty of Agriculture, Beni-Suef University for education & students’ affairs, 2013-2015)
- 2- **Head of the Dairy Foods Department**, Faculty of Agriculture, Cairo University (2022 and till now)

Professional Posts

- 1- Professor of Food, Nutrition & Dairy Science, Faculty of Agriculture, Cairo University, since 2015 and till now.
- 2- Associate Professor of Food, Nutrition & Dairy Science, Faculty of Agriculture, Cairo University, since 2004 and 2015 now.
- 3- Assistant Professor of Food, Nutrition & Dairy Science, Faculty of Agriculture, Cairo University, since 1999.
- 4- Teaching Assistant of Dairy Science & Technology, Faculty of Agriculture, Cairo University, since 1995.
- 5- Demonstrator of Dairy Science & Technology, Faculty of Agriculture, Cairo University, since 1991.
- 6- **Internationally Certified Trainer**, CT, and HRD consultant at the **International Board of Certified Trainers** (IBCT), since February 2008 till now. Check the IBCT website www.ibct-global.com for the directory of certified trainers around the world.
- 7- Member of the Technical Office of the president of the **Egyptian Academy of Scientific Research and Technology (ASRT)**, Ministry of Scientific Research, Egypt, since 2009 till 2010.
- 8- Member of the Council of Food & Agricultural Sciences, **Egyptian Academy of Scientific Research and Technology (ASRT)**, Ministry of Scientific Research, Egypt, since 2009 till now.

- 9- Board Member of **Project Management Unit (PMU)**, Higher Education Enhancement Projects (HEEP), Ministry of Higher Education (MOHE), Egypt, since July 2012 until 2014. (www.heep.edu.eg).
- 10- **Director** of the Middle East & North Africa Headquarters of the Foundation of **International Board of Certified Trainer (IBCT)**, since August 2012 till now (<http://www.ibct-global.com/> | www.ibct-mena.com).

Nutrition Journal Editorial Board Memberships

- 1- EC Nutrition Journal ([Editorial Board](#))
- 2- Food Therapy and Health Care ([Editorial Board](#))

Nutrition Education and Awareness Campaigns

Contributed to Raising Awareness and Educating the Public in the field of healthy nutrition through a dedicated YouTube channel. Channel Name and link:

[Dr. Ahmed Metwally - Nutrition Professor](#)

- Produced and disseminated accessible content on healthy nutrition, translating recent research articles into easily understandable information for the general public.
- Created engaging videos focusing on balanced diets, nutritional best practices, and overall well-being.
- Established a **389 K** subscriber base, fostering a diverse community of engaged viewers.
- Facilitated discussions and provided expert insights on the latest advancements in the field of nutrition, empowering viewers to make informed dietary choices.

Other Posts

- 3- **Director** of the **National Center of Faculty and Leadership Development (NCFLD)**, Ministry of Higher Education, Egypt, since July 2012 till September 2013 (www.ncfld.org).
- 4- Deputy Director of the **National Center of Faculty and Leadership Development (NCFLD)**, Ministry of Higher Education, Egypt, since December 2008 till 2012 (www.ncfld.org).
- 5- Deputy of the Faculty and Leadership Development Project (FLDP), Ministry of Higher Education, Egypt, since December 2007 till now (www.ncfld.org).
- 4- Head of the Information Technology Unit, **Quality Assurance & Accreditation Center of Cairo University, QAAC** (www.qaac.cu.edu.eg), since March 2007 till 2010.
- 5- **Director** of the e-learning Unit (www.eleg.edu.eg/moodle), Faculty of Agriculture, Cairo University, since July 2007 till 2013.
- 6- Deputy of the e-learning Center of Cairo University , since August 2005 and till February 2008.
- 7- **Review Chair** in the **National Quality Assurance and Accreditation Committee (NQAAC)**

- 8- Peer-Reviewer in the **National Quality Assurance and Accreditation Committee (NQAAC)**, Ministry of Higher Education, Egypt, since 2005. (www.qaap.net).
- 9- Certified Trainer at the Faculty & Leadership Development Center (FLDC), Cairo University and the Faculty & Leadership Development Project (FLDP), Ministry of Higher Education, Egypt, since 2005 and till now.
- 10- Member of the Monitoring and Evaluation Team, **Quality Assurance & Accreditation Center** of Cairo University, **QAAC**, since March 2007 & till now.
- 11- Member of Technical Support Team, **Quality Assurance & Accreditation Center** of Cairo University, **QAAC**, since March 2007 & till now.
- 12- Deputy and e-course production manager of the Electronic Learning Egypt Project (ELEG), a JEP TEMPUS Project with different partners from Italy and France, 2003 - 2006.
- 13- Member of the executive committee of Faculty and Leadership Development Project (FLDP), Cairo University (2005 - 2006).
- 14- Member of Teaching Excellency Center (TEC), Faculty of Agriculture, Cairo University, since January 2006 and till now.
- 15- Member of Academic Advisory committee at the Faculty of Agriculture, Cairo University, 1995 - 1996.
- 16- Member of Development of Educational Programs committee, Faculty of Agriculture, Cairo University, 1995 - 1996.
- 17- Member of the Management Team of the Dairy Technology Unit, Faculty of Agriculture, Cairo University (2001 - 2006).
- 18- Member of Egyptian Learning Disabilities Association (ELDA).

Professional Associations

- 1- Member of Egyptian Association of Dairy Science, since January 1999 and till now.
- 2- Member of Egyptian Association of Food Science, since January 2003 and till now.
- 3- Member of the certification committee of the **International Board of Certified Trainers (IBCT)**, North Africa and Middle East Division.
- 4- Member of the **Association of Talent Development (ATD)**.

Experience in the Training and HRD Field (see attached detailed C.V.)

Trainer in many workshops, including, but not limited to:

- TOT (Train the Trainer program) Trainer, several programs, organized by **International Board of certified Trainer (IBCT)** www.ibct-global.com and the National Center for Faculty & Leadership Development (NCFLD) www.ncfld.org , Egypt and many other countries in the MENA area.
- Quality Assurance & Accreditation in Higher Education, organized by FLDC, several workshops since 2005 and till now.
- E-learning, (in different themes and organized by different organizations, since 2004 till now)
- Active Learning and teaching, organized by FLDC, several workshops since 2005 and till now.

- Students' Assessment and Teaching Evaluation, organized by FLDC, several workshops since 2005 and till now.
- Use of Technology in Teaching, organized by FLDC, several workshops since 2005 and till now.
- Teaching for large classes and the microteaching, organized by FLDC, several workshops since 2005 and till now.
- Effective communication skills, organized by FLDC, several times since 2005 and till now.
- Curriculum Design, organized by FLDC, several workshops since 2005 and till now.
- Academic standards and writing program specifications, organized by QAAC, Faculty of Agriculture, Cairo University and others, several times since 2005 and till now.
- Developing and writing course specifications and report, Capacity Building Program for faculty staff members, Faculty of Agriculture, Cairo University, several workshops since 2005 and till now.
- Effective Poster design, Capacity Building Program for faculty staff members, Faculty of Agriculture, Cairo University, several workshops since 2005 and till now.
- Writing scientific Proposals, Capacity Building Program for faculty staff members, Faculty of Agriculture, Cairo University, several workshops since 2005 and till now.
- Data bases and internet search engines, Capacity Building Program for faculty staff members, Faculty of Agriculture, Cairo University, several workshops since 2005 and till now.
- How to deliver an effective Talk, Capacity Building Program for faculty staff members, Faculty of Agriculture, Cairo University, several workshops since 2005 and till now.
- How to deliver an effective presentation, Capacity Building Program for faculty staff members, Faculty of Agriculture, Cairo University, several workshops since 2005 and till now.

Experience in the Field of Quality Assurance & Accreditation in Higher Education

- External Reviewer at the **Oman Academic Accreditation Authority (OAAA)** since November 2017, contributing to the evaluation and quality assurance of higher education institutions in Oman. Responsibilities include participating in accreditation reviews, conducting site visits, assessing academic programs, and providing detailed reports to support institutional improvement and compliance with national standards.
- **Review Chair** in the **National Quality Assurance and Accreditation Committee (NQAAC)**
- Peer-Reviewer in the **National Quality Assurance and Accreditation Committee (NQAAC)** and conducted many site-visits since 2005 till now, including, but not limited to:
 - Faculty of Agriculture, Suez-Canal University
 - Faculty of Agriculture, Assiut University
 - Faculty of Agriculture, Menofia University
 - Faculty of specific Education, Menofia University
 - Faculty of Agriculture, Zagazig University
- Certified Trainer at NAQAAE (**National Authority for Quality Assurance and Accreditation of Education**) (www.naqaae.org), conducted several workshops in different topics relevant to Quality Assurance & Accreditation in Higher Education.

- Member of the **National Academic References Standards (NARS) committee** for Agricultural Sciences, at **NAQAAE** (www.naqaae.org), August, 2008.
- Participated in writing Proposal for the Continues Improvement and Qualifying for Accreditation Project (CIQAP), Member of the Implementation Team at Faculty of Agriculture, Cairo University. January, 2008 .

Experience in the Field of E-learning

Posts (in the field of e-learning):

- Director of the e-learning Unit (www.eleg.edu.eg/elegmoodle), Faculty of Agriculture, Cairo University, since July 2007 and till now.
- Deputy of the e-learning Center of Cairo University since August 2005 and till February 2008.
- Deputy and e-course production manager of the Electronic Learning Egypt Project (ELEG), a JEP TEMPUS Project with different partners from Italy and France, 2003 - 2006.

Active Participant in many training courses relevant to e-learning, including, but not limited to:

- Quality Assurance & Accreditation of Electronic and Online Courses, **University of Louis Pasteur**, Strasbourg, **France**, February 26 to March 3, 2006.
- E-learning and Learning Management System (LMS), **University of Rome**, Rome, **Italy**, September 19-25, 2005.
- Distance learning and training in Agricultural fields: Concepts, facilities and limitations, organized by Institut Agronomique Méditerranéen de Montpellier (**IAMM**), **France**, May 3 to 4, 2003.

Trainer in many workshops, including, but not limited to:

- E-learning, (in different themes and organized by different organizations, since 2004 till now)
- Moodle as a Learning Management System (several workshops, Cairo University).
- Moodle for teachers (several workshops, Cairo University and some other universities).
- Moodle for course creators (several workshops, Cairo University and some other universities).
- Moodle: Administration, a basic level.
- Moodle: Administration, an advanced level.

Workshops, Training Courses and Conferences Attended

Active Participant in many training courses, including, but not limited to:

- Quality Assurance & Accreditation of Electronic and Online Courses, **University of Louis Pasteur**, Strasbourg, **France**, February 26 to March 3, 2006.
- E-learning and Learning Management System (LMS), **University of Rome**, Rome, **Italy**, September 19-25, 2005.
- Distance learning and training in Agricultural fields: Concepts, facilities and limitations, organized by Institut Agronomique Méditerranéen de Montpellier (**IAMM**), **France**, May 3 to 4, 2003.

Active Participant in many workshops, including, but not limited to:

- Developing National Academic Reference Standards (NARS) for different sectors in Higher Education in Egypt, organized by National Quality Assurance and Accreditation Committee

(NQAAC), Ministry of Higher Education, Held at Faculty of Medicine, Ain Shams University, April 22, 2007.

- Capacity Building Introductory Course, organized by Agricultural Exports for Rural Incomes Project (AERI) coordinated by Universities Consortium for International Activities (MUCIA) and University of Illinois, held at Sharm-el-Sheikh, Egypt, June 19th - 23rd, 2005.
- Academic Advising Workshop, organized by Agricultural Exports for Rural Incomes Project (AERI) coordinated by Universities Consortium for International Activities (MUCIA) and University of Illinois, held at Faculty of Agriculture, Cairo University, 2004.
- Peer-reviewing workshop (preparing peer-reviewer), Quality Assurance Accreditation Project (QAAP), Ministry of Higher Education, Egypt, July 24th-26th, 2005.
- Strategic Management in Universities, August 17th - 18th, 2005.
- Analysis of Biological Data using different Statistical analysis Packages, Ain Shams University, 2003.
- Internal Audit Course, in accordance with ISO 9001: 2000 & ISO 19011: 02 requirements, Quality Assurance & Accreditation Center of Cairo University, QAAC, March 17th - 18th, 2007.
- Quality Management in Higher Education, Quality Assurance & Accreditation Center of Cairo University, QAAC, May 29th, 2007.
- Action Plan Developing, Quality Assurance & Accreditation Center of Cairo University, QAAC, July 30th, 2007.
- Principals of the European Credit Transfer System (ECTS), Quality Assurance & Accreditation Center of Cairo University, QAAC, July 31st, 2007.
- Time Management and work under stress, organized by FLDP, December 18th - 20th, 2004.
- Decision making and Problem Solving, organized by FLDP, December 25th - 27th, 2004.
- New techniques for Measuring and Tracing the Environmental Contaminants, Central Lab., Faculty of Agriculture, Cairo University, September 7th - 12th, 2002.
- Protein Chemistry and Analysis, Central Lab, Faculty of Science, Ain Shams University, December 22nd - 26th, 2001.
- HACCP System in Food and Dairy Plants, Training Center, National Research Center, Egypt, October 21st to November 1st, 2000.
- The ROLE OF Chemical and Biological Analysis in Environmental and Industrial Management, the Micro Analytical Center, Faculty of Science, Cairo University, December 5-9, 2004.

Attended several conferences, including, but not limited to:

- ASTD (American Society for Training and Development) International Conference and Expo, **May 22 – 25, 2011, Orlando, Florida, USA.**
- Quality Assurance and Accreditation in higher education: pathway to the future, Main Auditorium, organized by National Quality Assurance and Accreditation Committee (NQAAC), Ministry of Higher Education, Held at Main Auditorium, Cairo University, January 16, 2007.
- Systematic approach in Teaching and Learning, Teaching Development Center, Ain Shams University, April 3rd - 4th, 2004.
- Modern techniques in Agriculture, Faculty of Agriculture, Cairo University, November 27th - 29th, 1999.

- Sixth International Internet Education Conference & Exhibition, Ramses Hilton, Cairo, Egypt, September 2-4, 2007
- Fifth International Internet Education Conference & Exhibition, Ramses Hilton, Cairo, Egypt, September 11-13, 2006
- Fourth International Internet Education Conference & Exhibition, Ramses Hilton, Cairo, Egypt, September 6-8, 2005
- 1st Mansoura conference for Food Science and Technology, October 17-19, 2000.
- 8th Egyptian Conference for Dairy Science & Technology, November 3-5, 2001.
- 9th Egyptian Conference for Dairy Science & Technology, October 9-11, 2004.
- 2nd Egyptian Conference for Safe Food for All, December 8-9, 2003.
- 3rd Egyptian Conference for Safe Food for All, November 29-30, 2004.
- The role of Universities in Modernization of Food Processing in Egypt, November 23-24, 2004.

Conferences Organization

Participated in organizing and suggesting content of some conferences, including, but not limited to:

- First (2012) and Second (2014) International Conference on Training & Development in Higher Education
- Fifth International Internet Education Conference & Exhibition, Ramses Hilton, Cairo, Egypt, September 11-13, 2006.
- Fourth International Internet Education Conference & Exhibition, Ramses Hilton, Cairo, Egypt, September 6-8, 2005.

Experience in the field of Computer and IT

- E-learning and Learning Management Systems (LMS).
- Statistical Packages (SPSS, SAS, NCSS, SigmaSatst).
- Computer Programming Languages (M. S. Visual Basic).
- Web page designing (M. S. FrontPage, Xara and others).
- Data Base Programming.
- Microsoft Office
- Movie Editing (Adobe Premiere).
- Audio file Editing (Sony Sound Forge).

Software Developing

I have developed the following computer programmes:

- Tukey's HSD and Fisher's LSD Calculator©
- Power-Sample size Calculator©

- Statistical test Selector©
- Body Weight Calculator©
- Other programs in Food Science & Data bases

Webpage Development

I have developed and maintained the following websites:

- Quality Assurance & Accreditation Center, Cairo University, www.qaac.cu.edu.eg
- E-learning Unit, Faculty of Agriculture, Cairo University, www.eleg.edu.eg/moodle
- E-learning Center, Cairo University, <http://eleg.oucu.edu.eg>
- International Board of Certified Trainers, <http://www.ibct-mena.com/>

Teaching Experience

I have taught the following courses for the post and undergraduate students:

- Human Nutrition
- Market and fermented milk
- Food and Dairy chemistry and microbiology
- Introduction to Dairy Science
- Food and Dairy Chemistry
- Fundamentals of Food Dairy Science
- Computer Application in Food Science (Programming with Visual Basic)
- Fundamentals Of Dairy Science
- Dairy Microbiology
- Analytical Chemistry of Food and milk & its products
- Market milk and Dehydration technology
- Seminar and special studies
- Microsoft Windows
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word
- Internet

Research Interests and Thesis Supervising

Effect of dietary fat on CHD & blood lipid profile, Obesity, immunity, epigenetics, probiotic foods, enzymatic cross-linking of food & dairy products, and food rheology.

Other Activities

- Statistical Analysis Consultant for Nagy research (a private company for marketing research).
- Designer & Developer for Distance and Electronic Learning.
- Webmaster of several websites.

Selected Publications (check my university page for my recent publications)

- Abd Al-Maqsoud, N. M., Elshaghabee, F. M. F., **Metwally, A. M. M.**, & Anis, S. M. K. (2023). Enhancing the rheological, technological, textural and microstructural characteristics of set yoghurt using certain nano-stabilisers. *International Journal of Dairy Technology*, 76(4), 873–884. <https://doi.org/10.1111/1471-0307.13042>
- Ali, A. E.-R. A., **Metwally, A. M.**, Atia, H. F., Mahmoud, A. H., & El Shishtawy, H. M. (2023). The protective action of bacteriocins produced by selected strains of lactic acid bacteria against common pathogenic bacteria in Domiati cheese. *Egyptian Journal of Chemistry*, 66(8), 59–66. <https://doi.org/10.21608/EJCHEM.2023.208218.7975>
- Abd Al-Maqsoud, N. M., Elshaghabee, F. M. F., **Metwally, A. M.**, & Anis, S. M. K. (2022). Impact of nano-stabilizers on the technological, texture and rheological properties of ice cream. *Egyptian Journal of Chemistry*, 65(6), 283–291. <https://doi.org/10.21608/EJCHEM.2022.124191.5990>
- Metwally, M.M.A., Nadia M.A.Dabiza, Wagih I.El-Kholy and Zeinab I.Sadek (2011). The Effect of Boiling on Milk Microbial Contents and Quality. *Journal of American Science*, 7, 110-114.
- Abdul-Rahman A. Ali, Ahmed M. M. Metwally, Amal H. Mahmoud, Hadil F. Attia (2011). Effect of Feeding Probiotics on Rats' Immunity and Health Conditions during Pregnancy. *Food and Nutrition Sciences*, 2, 96-104.
- Metwally, M. M. A. (2007). Effect of enzymatic cross-linking of milk proteins on properties of ice cream with different composition. *International Journal of Food Science and Technology*, 42, 939-947.
- Ali, A. A., Azzam, A. A. M., Metwally, M. M. A. and Awad, A. A. (2007). Production of Exopolysaccharides by *Halomonas Eurihalina* F2-7 and *Xanthomonas Campestris* Pv. *Campestris* from Salted Whey. *Mansoura University Journal of Agricultural Sciences*, 32, 899-912.

- Elzeiny. M. Hoda and Metwally M.M.A. (2002). Production of Domiati Cheese with Typical Characteristics from Pasteurized Milk Using *Lactobacillus helveticus* and *Lactobacillus casei* Cultures. *Mansoura University Journal of Agricultural Sciences*, 27, 5391-5398.
- Metwally M.M.A. and Elzeiny. M. Hoda (2004). The effect of processing treatments on milk coagulation with rennet as measured by viscosity-time curve. *Mansoura University Journal of Agricultural Sciences*, 29, 5391-5398.
- Metwally M.M.A. (2004). Rheological properties of milk fat compared to other fats. 1- Rheological modeling and flow properties. *Mansoura University Journal of Agricultural Sciences*, 29, 5391-5398.
- Metwally M.M.A. (2004). Rheological properties of milk fat compared to other fats. 2- The use of the changes in milk fat rheological properties for detecting its adulteration. *Mansoura University Journal of Agricultural Sciences*, 29, 5391-5398.
- Metwally M.M.A. and Elzeiny. M. Hoda (2002). The migration of aluminum and nickel from dairy equipments into milk during processing.
- Effect of feeding sunflower oil on buffaloes milk fat composition and keeping quality.
- Physical and chemical modifications of butter oil and its effect on rats' serum and tissues lipids 1- Thermal fractionation and interesterification of butter oil.
- Physical and chemical modifications of butter oil and its effect on rats' serum and tissues lipids 2- Effect of thermally fractionated and interestrified butter oil on rats' serum and tissues' lipids.

References

Available upon request.