Department of Medical Laboratory Sciences
College of Health Sciences
University of Sharjah
Sharjah, UAE
mmadkour@sharjah.ac.ae
Mohammed.zaher@gmail.com
https://orcid.org/0000-0002-9130-4928

Mohamed Ibrahim Madkour, Ph.D.

Research Objective

My research focuses on translational Molecular and Clinical Biochemistry, with particular emphasis on autophagy and aging mechanisms and their modulation through metabolic interventions such as intermittent fasting. I aim to investigate the molecular links between autophagic pathways, metabolic syndrome, diabetes, and chronic inflammatory diseases, integrating biomarker discovery, advanced laboratory techniques, and clinical validation to generate impactful, clinically applicable outcomes.

Career Objective

To establish an internationally recognized, interdisciplinary research program in aging and metabolic health, fostering Arab–German and global collaborations through active engagement in AGYA, and contributing to impactful, cross-regional scientific initiatives. I aim to mentor emerging researchers, strengthen translational research networks, and translate laboratory discoveries into clinically and societally meaningful outcomes.

Academic Degrees

"All my certificates (High school, B.Sc. and M. Sc) have been evaluated by International Educational Education Research Foundation, INC. (IREF), California, USA and have been evaluated for US equivalency."

- *From 2016 to 2020*
  Ph.D. in Biochemistry (Biomedical Sciences, Molecular & Clinical Biochemistry).
  Ain Shams University, Egypt, and Lübeck University, Germany (Channel system).
  Thesis. *"The Role of Haptoglobin Polymorphism in Gene Expression of CD163 Receptors in Obesity"*
- *From 2004 to 2007*
  M.Sc. in Biochemistry (Biomedical Science, Immunology).
  Mansoura University (Egypt). May 2007, Accredited & equivalenced by MOE, UAE.
  Thesis. *"Immunological and Biochemical changes accompanying fluoride ion exposure."*
- *From 1997 to 2001*
  B.Sc. in Biochemistry & Chemistry.
  Mansoura University, Egypt. Completed May 2001. (I ranked 5th in the final evaluation of the College of Science.) These data are available under ID 905358 on Mansoura University's internet site http://mudb.mans.edu.eg/graduates.

Current position

Assistant Professor, Biomedical Sciences (Clinical & Molecular Biochemistry)
Medical Laboratory Sciences Department, College of Health Sciences, University of Sharjah, Sharjah, UAE.

Licenses

- 2006: Health Authority Abu Dhabi (HAAD) in UAE, Senior Laboratory Technologist.
- 2005: Ministry of Health (MOH) license in UAE, as Medical Laboratory Technologist.
- 2001: Syndicate of professions science license as Medical Laboratory Scientist in Egypt.

Professional memberships

- **AGYA (Arab German Young Academy of Sciences and Humanities) membership,** Sep 2025. **https://agya.info/**
- Member at Egyptian Syndicate of the scientific profession under No. 68419. www.essp-egypt.com.
- Protecting Human Research Participant (IRB certification number 772489), Office of Extramural Research, National Institute of Health (NIH). Oct 2011.
- Good Clinical Practice Certificate, NIDA Clinical Trials Network, Version 5, effective 03-Mar-2017, National Institutes of Health (NIH), Department of Health and Human Services, Feb 2026.

Research Fellowships

- **Project: "Mitochondrial and Gut Microbiota Sequencing using NGS",** as a part of Research Collaboration, Lübeck Institute of Experimental Dermatology, University of Lübeck, Lübeck, Germany. Summer 2017.
- **Project:** Nutritional and precision medicine project including genetic obesity panel, Microbiome sequencing using NGS. Lübeck Institute of Experimental Dermatology, University of Lübeck, Lübeck, Germany. Summer 2019.
- **Project: "Modulating B Cell Activation Through Antigen Complexation: A Novel Approach to Optimize Vaccine Efficacy and Immune Tolerance".** Ulm University, Germany. Summer 2025.

Research Funding and Grants

1. **Mohamed Madkour**, Balachandar Selvakumar, AB Rani Samsudin. Role of N-Acetylglucosamine in intestinal tissue repair mechanisms in the mouse model of inflammatory bowel disease. 120,000 AED, Aug 2024.
2. **Mohamed Madkour,** Faris MAIE, Dana Salahat. Metabolomics and Microbiome Host-interaction Associated with Cardiovascular diseases in UAE Patients. Deanship of Scientific Research and Graduate Studies, University of Sharjah, UAE. 80,000 AED, 2023.
3. **Mohamed Madkour**, Moez AlIslam Faris. Effect of four-week, dawn-to-sunset intermittent fasting on physiological and molecular markers of aging in healthy, non-obese middle-aged and pre-elderly adults: A controlled, prospective cohort. 80,000 AED, 2024.
4. Muhammad Saboor Zahoor Ahmad, **Mohamed Madkour,** Dana Salahat. Association of Glutathione S-transferases (T1, M1, and P1) and SIRT1 rs12778366 genetic polymorphisms with type 2 diabetes mellitus. Deanship of Scientific Research and Graduate Studies, University of Sharjah, UAE. 80,000 AED, 2023.

5. Nadia R. Al Mazrouei, Osama Ibrahim, Sameh Soliman, **Mohamed Madkour,** Rana Ibrahim, Samah Ebaid. "Epidemiology and identification of microbial resistant pattern in diabetic foot ulcer". Deanship of Scientific Research and Graduate Studies, University of Sharjah, UAE. 80,000 AED, 2022.
6. Wiam Elshami, **Mohamed Madkour**, Samir Awad Allah, Entesar Dalah, Mohamed Abuzaid. Correlation between occupational radiation dose, oxidative status and inflammatory parameters for radiology workers. 80,000 AED, 2019.
7. Kalyana Chakravarthy Bairapareddy, Tamer Mohamed Shousha, Moez Al-Islam E. Farris, **Mohamed Madkour.** "Effect of physical activity promotion using culturally adapted-compendium of activities on cardiometabolic risk factors in sedentary Arab population." 80,000 AED, 2019.
8. Mohamed Ghaleb, **Mohamed Madkour**, Abdou Elsharawy. "The anti-tumor effects of dendritic cell exosome secretions". Deanship of Scientific Research and Graduate Studies, University of Sharjah, UAE. 80,000 AED, 2017-2018.
9. Faris MAIE, Al-Serafy A, Obaideen A., **Mohamed Madkour**. "Study of the Effect of Ramadan Intermittent Fasting on Oxidative Stress, Body Adiposity and Metabolic Markers as Affected by SIRT3 Gene Expression in Metabolic Syndrome Patients". Deanship of Scientific Research and Graduate Studies, University of Sharjah, UAE. 80,000 AED.
10. Samir Awad Allah, Amitta Attlee, Haidar Hassan, Veena Raigangar, **Mohamed Madkour**, Metabolic syndrome Research group, SIMR, Sharjah University. Collaborative grants 200,000 AED, 2016-2017.
11. Faris MAIE, Al-Serafy A, Wael Hassan, and Mustafa Ala-Eddin, **Mohamed Madkour**. "Mitochondrial and Metabolic Gene Profiling of Ramadan Intermittent Fasting in Metabolic Syndrome Patients" Deanship of Scientific Research and Graduate Studies, University of Sharjah, UAE. 200,000 AED., 2016-2017.

Publications:

Citation Metrics	Bibliographic Database	
	Google Scholar(link)	Scopus(link)
Sum of times cited	1635	1,196
h-index	22	18
i10-index	30	

1- Alkawamleh, D., **Madkour, M.I.,** Kalam, F., Abdelrahim, D.N., Abdallah, H.W. and Faris, M.E., 2026. Intermittent fasting and immune aging: implications for immunosenescence, inflammaging, neuroinflammation, and frailty. Frontiers in Nutrition, 13, p.1736969.

2- **Madkour, M.I.,** Malhab, L.J.B., Abdelrahim, D.N., Eldohaji, L., Saber-Ayad, M., Eid, N., Abdel-Rahman, W.M. and Faris, M.E., 2025. Dawn-to-dusk intermittent fasting is associated with overexpression of autophagy genes: a prospective study on overweight and obese cohort. Clinical Nutrition ESPEN, 65, pp.209-217.

3- Al Bari, A.A., **Madkour, M.I.,** Saber-Ayad, M.M. and Eid, N., 2025. Effect of Ramadan Intermittent Fasting on Autophagy and Gene Expression. In *Health and Medical Aspects of Ramadan Intermittent Fasting* (pp. 59-81). Singapore: Springer Nature Singapore.

4- Elhag, M.R., Abu-Median, A.B., Da Boit, M., Haris, P.I., **Madkour, M.I.,** Alkawamleh, D.H. and Faris, M.E., 2025. Transforming gut health through Ramadan intermittent fasting: A review on metabolic and microbiomic insights. *Clinical Nutrition ESPEN*, *69*, pp.115-130.

5- Faris, M.E., Alkawamleh, D.H. and **Madkour, M.I.,** 2025. Unraveling the impact of intermittent fasting in cancer prevention, mitigation, and treatment: A narrative review. *Journal of Nutritional Oncology*, *10*(2), pp.29-39.

6- Chaker, W.M.M., Adi, R.M., **Madkour, M.,** Farhat, N., Abdelrahim, D.N., Saber-Ayad, M., Muhammad, J.S., Mohammed, G., Mousa, N.A., Saadi, A. and Lakshmi, A., 2025. Characterizing Genetic, Epigenetic, Nutritional, and Clinico-Biochemical Profile of Women With Polycystic Ovary Syndrome: A Case–Control Study. *Journal of Nutrition and Metabolism*, *2025*(1), p.8817919.

7- Mohammad, M.G., Farhat, N.M., Abu-Qiyas, A., Shafarin, J., Rah, B., Dallal, N., El Baba, W., Bukhalaf, F., Askari, A., **Madkour, M**. and Muhammad, J.S., 2025. Severe acute respiratory syndrome coronavirus 2 vaccination associates with upregulated expression of ferritin heavy chain-1 and transferrin receptor. *Advances in Biomedical and Health Sciences*, pp.10-4103.

8- Faris, M., Abdelrahim, D.N., El Herrag, S.E., Khaled, M.B., Shihab, K.A., AlKurd, R. and **Madkour, M.,** 2025. Cardiometabolic and Obesity Risk Outcomes of Dawn-to-Dusk, Dry Intermittent Fasting: Insights from an Umbrella Review. Clinical Nutrition ESPEN.

9- Taneera, J., Yaseen, D., Youssef, M., Khalique, A., Al Shehadat, O.S., Mohammed, A.K., Bustanji, Y., **Madkour, M.I.** and El-Huneidi, W., 2025. Vitamin D augments insulin secretion via calcium influx and upregulation of voltage calcium channels: Findings from INS-1 cells and human islets. Molecular and Cellular Endocrinology, p.112472.

10- Elabed, S., Khaled, R., Farhat, N., **Madkour, M.,** Zadeh, S.A.M., Shousha, T., Taneera, J., Semerjian, L. and Abass, K., 2025. Assessing Aflatoxin Exposure in the United Arab Emirates (UAE): Biomonitoring AFM1 levels in Urine Samples and their Association with Dietary Habits. Environmental Toxicology and Pharmacology, p.104644.

11- **Madkour, M.I.,** Hassan, R.E., Sherif, N.M., Awadallah, S., Farahat, N.M., Abdelrahim, D.N., AlHasan, F.A., Taneera, J. and Faris, M.E., 2024. Changes in haptoglobin genotype-based gene expressions upon the observance of dawn-to-dusk intermittent fasting: a prospective cohort study on overweight and obese individuals. Frontiers in Nutrition, 11, p.1409344.

12- Abdelrahim, D.N., El Herrag, S.E., Khaled, M.B., Radwan, H., Naja, F., Alkurd, R., Khan, M.A., Zeb, F., AbuShihab, K.H., Mahrous, L., Obaideen, K., Kalam, F., Granta, F., **Madkour, M.,** and Faris, M.E., 2024. Changes in energy and macronutrient intakes during Ramadan fasting: a systematic review, meta-analysis, and meta-regression. Nutrition Reviews, 82(11), pp.1482-1513.

13- Taneera, J., Mohammed, A.K., Khalique, A., Mussa, B.M., Sulaiman, N., Bustanji, Y., Saleh, M.A., **Madkour, M.,** Abu-Gharbieh, E. and El-Huneidi, W., 2024. Unraveling the

significance of PPP1R1A gene in pancreatic β-cell function: A study in INS-1 cells and human pancreatic islets. Life Sciences, p.122608.

14- AbuShihab, K., Obaideen, K., Alameddine, M., Alkurd, R.A.F., Khraiwesh, H.M., Mohammad, Y., Abdelrahim, D.N., **Madkour, M.I.** and Faris, M.E., 2024. Reflection on Ramadan fasting research related to sustainable development goal 3 (Good Health and Well-Being): a bibliometric analysis. Journal of Religion and Health, 63(5), pp.3329-3359.

15- Khalid, N., Abdelrahim, D.N., Hanach, N., AlKurd, R., Khan, M., Mahrous, L., Radwan, H., Naja, F., **Madkour, M.,** Obaideen, K. and Khraiwesh, H., 2023. Effect of camel milk on lipid profile among patients with diabetes: a systematic review, meta-analysis, and meta-regression of randomized controlled trials. BMC Complementary Medicine and Therapies, 23(1), p.438.

16- Abdelrahim, D.N., El Herrag, S.E., Khaled, M.B., Radwan, H., Naja, F., Alkurd, R., Khan, M.A., Zeb, F., AbuShihab, K.H., Mahrous, L. Obaideen, K., Kalam, F., Frank Granata Iv, **Madkour, M.I.** and Faris, M.E., 2023. Changes in energy and macronutrient intakes during Ramadan fasting: a systematic review, meta-analysis, and meta-regression. Nutrition Reviews, p.nuad141.

17- Elmoselhi, A.B., Bouzid, A., Allah, M.S., Ibrahim, Z., Bajbouj, K., Abou Assaleh, R.S., Venkatachalam, T., **Madkour, M.,** Siddiqui, R., Khan, N.A. and Hamoudi, R.A., 2023. Unveiling the molecular Culprit of arterial stiffness in vitamin D deficiency and obesity: Potential for novel therapeutic targets. Heliyon, 9(11).

18- **Madkour, M.I.,** Islam, M.T., Tippetts, T.S., Chowdhury, K.H., Lesniewski, L.A., Summers, S.A., Zeb, F., Abdelrahim, D.N., AlKurd, R., Khraiwesh, H.M. and AbuShihab, K.H., 2023. Ramadan intermittent fasting is associated with ameliorated inflammatory markers and improved plasma sphingolipids/ceramides in subjects with obesity: lipidomics analysis. Scientific Reports, 13(1), p.17322.

19- Elmoselhi, A.B., Ibrahim, Z., **Madkour, M.I.** and Allah, M.S.,. Interleukin-6 and Tumour Necrosis Factor-Alpha Inflammatory Markers Association with Arterial Stiffness in Vitamin D3 Deficiency, Obese and Diabetic Emirati Population. Hamdan Medical Journal, 2023; 16(2), pp.74-78.

20- Altaie, A.M., Mohammad, M.G., **Madkour, M.I.**, AlSaegh, M.A., Jayakumar, M.N., KG, A.R., Samsudin, A.R., Halwani, R., Hamoudi, R.A. and Soliman, S.S., Molecular pathogenicity of 1-nonadecene and l-lactic acid, unique metabolites in radicular cysts and periapical granulomas. Scientific Reports, 2023; 13(1), p.10722.

21- **Madkour M,** Giddey AD, Soares NC, Semreen MH, Bustanji Y, Zeb F, Halwani R, Faris ME. Ramadan diurnal intermittent fasting is associated with significant plasma metabolomics changes in subjects with overweight and obesity: A prospective cohort study. Front Nutr. 2023; 9:1008730.

22- Mohammad MG, Ashmawy NS, Al-Rawi AM, Abu-Qiyas A, Hamoda AM, Hamdy R, Dakalbab S, Arikat S, Salahat D, **Madkour M,** Soliman SSM. SARS-CoV-2-free residual proteins mediated phenotypic and metabolic changes in peripheral blood monocytic-derived macrophages in support of viral pathogenesis. PLoS One. 2023;18(1):e0280592.

23- Altaie AM, Mohammad MG, **Madkour MI,** Shakartalla SB, Jayakumar MN, K G AR, Halwani R, Samsudin AR, Hamoudi RA, Soliman SSM. The Essential Role of 17-Octadecynoic Acid in the Pathogenesis of Periapical Abscesses. J Endod. 2022;49(2):169-177.e3.

24- Mohammad MG, El-Serafi A, **Madkour MI,** Alhabshi A, Wadea A, Jabal RA, et al. Potential anti-adipogenic activity of Calligonum comosum cuminaldehyde on mouse 3T3-pre-adipocytes. Adv Biomed Health Sci 2023;2:23-30.

25- **Madkour MI,** Hassan RE, Sherif NM, Awadallah S, Abdelrahim DN, Jahrami HA, Abu Shihab K, Faris ME. Haptoglobin polymorphism modulates cardiometabolic impacts of four consecutive weeks, dawn to sunset Ramadan intermittent fasting among subjects with overweight/obesity. Diabetes Res Clin Pract. 2022;190:110024.

26- Obaideen K, Abu Shihab KH, **Madkour MI,** Faris ME. Seven decades of Ramadan intermittent fasting research: Bibliometrics analysis, global trends, and future directions. Diabetes Metab Syndr. 2022;16(8):102566.

27- **Madkour, M. I.**, Malhab, L., Abdel-Rahman, W. M., Abdelrahim, D. N., Saber-Ayad, M., & Faris, M. E. (2022). Ramadan Diurnal Intermittent Fasting Is Associated With Attenuated FTO Gene Expression in Subjects With Overweight and Obesity: A Prospective Cohort Study. Frontiers in nutrition, 8, 741811.

28- Hasan, H., **Madkour, M.,** Awadallah, S., Hassanein, M., Jahrami, H., & Faris, M. (2022). Ramadan Intermittent Fasting Is Associated with Changes in Circulating Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) in Metabolically Healthy Obese Subjects. Medicina, 58(4), 503.

29- AlKurd, R., Hanash, N., Khalid, N., Abdelrahim, D.N., Khan, M.A., Mahrous, L., Radwan, H., Naja, F., **Madkour, M.,** Obaideen, K. and Abu Shihab, K., 2022. Effect of Camel Milk on Glucose Homeostasis in Patients with Diabetes: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Nutrients, 14(6), p.1245.

30- Jahrami, H.A., Faris, M.E., Janahi, A., Janahi, M., Abdelrahim, D.N., **Madkour, M.I.,** Sater, M.S., Hassan, A.B., and Bahammam, A.S. (2021). Does four-week consecutive, dawn-to-sunset intermittent fasting during Ramadan affect cardiometabolic risk factors in healthy adults? A systematic review, meta-analysis, and meta-regression. Nutrition, Metabolism and Cardiovascular Diseases, 31(8), pp.2273-2301.

31- Entesar Z Dalah, Moez Al Islam Faris, Hayder A. Hasan, **Mohammed I. Madkour**, Abdulmunhem Obaideen (2021). Assessing visceral and subcutaneous adiposity using segmented T2-MRI and multi-frequency segmental bioelectrical impedance: A sex-based comparative study. Acta Bio Medica: Atenei Parmensis, 92(3).

32- Soliman, S. S. M., Hamdy, R., Elseginy, S. A., Gebremariam, T., Hamoda, A.M., **Mohamed Madkour**, Thenmozhi Venkatachalam, Mai N Ershaid, Mohammad G Mohammad, Georgios Chamilos, Ashraf S Ibrahim (2020). Selective inhibition of

Rhizopus eumelanin biosynthesis by novel natural product scaffold-based designs caused significant inhibition of fungal pathogenesis. Biochemical Journal, 477(13), 2489-2507.

33- Al-Rawi, N., **Madkour, M.**, Jahrami, H., Salahat, D., Alhasan, F., BaHammam, A., & Al-Islam Faris, M. e. (2020). Effect of diurnal intermittent fasting during Ramadan on ghrelin, leptin, melatonin, and cortisol levels among overweight and obese subjects: A prospective observational study. PloS one, 15(8), e0237922.

34- Jahrami, H., BaHammam, A., Kalaji, Z., **Madkour, M.**, & Hassanein, M. (2020). A systematic review, meta-analysis, and meta-regression of the impact of diurnal intermittent fasting during Ramadan on glucometabolic markers in healthy subjects. Diabetes research and clinical practice, 165, p.108226.

35- **Madkour, M.,** Hassan, R., Sherif, N., Awadallah, S., Serafi, A., Jahrami, H., & Faris, M. (2020). Modulation of Anti-Oxidant, Anti-Inflammatory and Metabolism-Controlling Genes Expressions by Ramadan Intermittent Fasting: A Prospective Observational Study. Current Developments in Nutrition, 4(Supplement_2), 1265-1265.

36- Touil, H. F., K. Boucherit, Z. Boucherit-Otmani, G. Kohder, **M. Madkour,** and S. S. Soliman (2020). "Optimum inhibition of amphotericin-b-resistant Candida albicans strain in single-and mixed-species biofilms by Candida and non-Candida terpenoids." Biomolecules **10**(2): 342.

37- **Madkour, M. I.,** A. T. El-Serafi, H. A. Jahrami, N. M. Sherif, R. E. Hassan, and S. Awadallah (2019). "Ramadan diurnal intermittent fasting modulates SOD2, TFAM, Nrf2, and sirtuins (SIRT1, SIRT3) gene expressions in subjects with overweight and obesity." Diabetes research and clinical practice **155**: 107801.

38- Mo'ez Al-Islam, E. F., M. L. Salem, H. A. Jahrami**, M. I. Madkour,** and A. S. BaHammam (2020)."Ramadan intermittent fasting and immunity: An important topic in the era of COVID-19." Annals of thoracic Medicine, DOI.10.4103/atm.ATM_151_20.

39- **Madkour, M. I.,** Mo'ez Al-Islam, E. F., A. K. Obaideen, E. Z. Dalah, H. A. Hasan, H. Radwan, H. A. Jahrami, O. Hamdy and M. G. Mohammad (2019). "Effect of Ramadan diurnal fasting on visceral adiposity and serum adipokines in overweight and obese individuals." Diabetes research and clinical practice **153**: 166-175.

40- Omar, H. A., A. T. El-Serafi, F. Hersi, E. S. A. Arafa, D. M. Zaher, **M. Madkour,** H. H. Arab, and M. F. Tolba (2019). "Immunomodulatory MicroRNAs in cancer: Targeting immune checkpoints and the tumor microenvironment." The FEBS journal **286**(18): 3540-3557.

41- AbuOdeh, R., S. Ezzedine, **M. Madkour,** C. R. Stensvold, A. Samie, G. Nasrallah, E. AlAbsi, and A. ElBakri (2019). "Molecular subtyping of Blastocystis from diverse animals in the United Arab Emirates." Protist **170**(5): 125679.

42- Attlee, A., H. Hasan, A. AlQattan, N. Sarhan, R. Alshammari, S. Ali, M. Nabil, A. Alattrash, V. Raigangar, and **M. Madkour** (2019). "Relationship of salivary adipocytokines, diet quality, physical activity, and nutrition status in adult Emirati females

in United Arab Emirates." Diabetes & Metabolic Syndrome: Clinical Research & Reviews **13**(1): 40-46.

43- Awadallah, S., H. Hasan, A. Attlee, V. Raigangar, H. Unnikannan, **M. Madkour,** M. S. Abraham, and L. M. Rashid (2019). "Waist circumference is a major determinant of oxidative stress in subjects with and without metabolic syndrome." Diabetes & Metabolic Syndrome: Clinical Research & Reviews **13**(4): 2541-2547.

44- Faris, M. E. A.-I. E., H. A. Jahrami, A. A. Obaideen, and **M. I. Madkour** (2019). "Impact of diurnal intermittent fasting during Ramadan on inflammatory and oxidative stress markers in healthy people: Systematic review and meta-analysis." Journal of Nutrition & Intermediary Metabolism **15**: 18-26.

45- Soliman, S., M. G. Mohammad, A. A. El-Keblawy, H. Omar, M. Abouleish, **M. Madkour**, A. Elnaggar, and R. M. Hosni (2018). "Mechanical and phytochemical protection mechanisms of Calligonum comosum in arid deserts." PloS one **13**(2).

46- Bajbouj, K., J. Shafarin, H. Allam, **M. Madkour,** S. Awadallah, A. El-Serafy, D. Sandeep, and M. Hamad (2018). "Elevated levels of estrogen suppress hepcidin synthesis and enhance serum iron availability in premenopausal women." Experimental and Clinical Endocrinology & Diabetes **126**(07): 453-459.

47- Hasan, H., A. Attlee, V. Raigangar, **M. Madkour,** and S. Awadallah (2017). "Proprotein convertase subtilisin/Kexin type 9 (PCSK9) and metabolic syndrome components among young adult females." Diabetes & Metabolic Syndrome: Clinical Research & Reviews **11**: S337-S341.

48- Awadallah, S., **M. Madkour,** R. Al Hamidi, E. A. Alwafa, M. Hattab, B. Zakkour, A. Al-Matroushi, E. Ahmed, and M. Al-Kitbi (2017). "Plasma levels of Apolipoprotein A1 and Lecithin: Cholesterol Acyltransferase in type 2 diabetes mellitus: Correlations with haptoglobin phenotypes." Diabetes & Metabolic Syndrome: Clinical Research & Reviews **11**: S543-S546.

Work Experience

From Sep 2021 till present

- **Assistant Professor, Clinical Biochemistry (Biomedical Sciences),**
  Medical Laboratory Sciences Department, College of Health Sciences, University of Sharjah, Sharjah, UAE.
  As an Assistant professor in the Medical Laboratory Sciences (MLS) program, I am responsible for fostering the academic and professional growth of students in the field of medical diagnostics, laboratory practices, and clinical sciences. My role encompasses teaching, research, and academic advising, with a strong focus on innovation and excellence in education. Key responsibilities include:

Teaching and Curriculum Development:

- Delivering lectures and laboratory sessions across a range of MLS courses, including clinical chemistry I and II theory, Molecular Genetics, Biochemistry, Urinalysis & body

fluids, Student project, Clinical Chemistry Practicum/training and Laboratory Management & Quality Assurance.

- As well for MLS master program teaching the following courses: Advanced Clinical Chemistry, Advanced lab Techniques, and research Methodology.
- Designing, updating, and implementing course materials, syllabi, and assessment strategies to align with accreditation standards and current industry advancements.
- Integrating emerging technologies, such as artificial intelligence (AI) and automation, into the curriculum to prepare students for future challenges in the medical lab sciences field.

Student Mentorship and Advising:

- Guiding students in course registration, academic planning, and professional development throughout the semester.
- Offering mentorship to students pursuing research projects, internships, and graduate studies.
- Promoting academic integrity and fostering critical thinking skills to enhance problem-solving abilities in real-world laboratory settings.

Research and Scholarly Activities:

- Conducting and publishing research in key areas of medical laboratory sciences, with a focus on advancements in diagnostics and laboratory technology.
- Supervising graduate-level research projects and encouraging interdisciplinary collaboration.
- Engaging in conferences, seminars, and workshops to stay updated on the latest developments in the field and contribute to scholarly discourse.

Community and Industry Engagement:

- Collaborating with healthcare facilities, diagnostic laboratories, and industry stakeholders to bridge the gap between academia and practical applications.
- Organizing initiatives to promote the significance of medical laboratory sciences in healthcare delivery and public health.

From Sep 2013 to Sep 2021

- **Lecturer, Biomedical Sciences,**
  Medical Laboratory Sciences Department, College of Health Sciences, University of Sharjah, Sharjah, UAE.
  - Teaching and evaluating relevant subjects in the Medical lab sciences discipline areas: such as Molecular Genetics, Biochemistry, Phlebotomy, Clinical Chemistry 1 & 2, urinalysis & fluids, and Immunology. Also, a general course for Health Science college as Biology and Anatomy & Physiology.
  - Assessment of the students in clinical areas and provide them with Biomedical sciences lab skills.
  - Identifying health problems; planning and conducting relevant research with our research group in Sharjah Institute for Medical Research (SIMR).
  - Advising the students with guiding and counseling concerning academic performance, career opportunities, and pursuit of advanced degrees

- Evaluating teaching and learning activities; and directing and coordinating courses assigned from time to time.
- Carrying out administrative duties, including chairing committees like (Accreditation committee, Timetable committee) serving as a member of an academic department, and representing the university in the community at large.

From Sep 2009 to Aug 2013

- **Senior Biomedical Sciences Labs and Teaching Assistant,**
  Qatar University, Biomedical Program, Health Sciences Department, Doha, Qatar.
  - Work as a research associate with faculty members and the graduates on their research projects (Two projects granted by Qatar foundation (NPRP)).
  - Preparation of the department budget and follow-up with the equipment and consumables maintenance.
  - Work as a teaching assistant in the student's laboratories, including Clinical Chemistry, Genetics, Blood Bank, Hematology, Urinalysis, and Physiology courses.
  - A Member of the safety committee in the college, assisting the students with laboratory skills.
  - Preparation of Biomedical Sciences lab to the NAACLS Accreditation requirements.

From March 2006 to August 2009

- **Senior Medical Laboratory Technologist,**
  Disease Prevention and Screening Center (a reference lab for the WHO), Ambulatory Health Services, Health Authority Abu Dhabi, Abu Dhabi, United Arab Emirates (UAE).
  - Was designated as the TRACK MASTER of APS (Accelerator Processing system), ABBOTT. Responsible for Safety, Manual Handling, and Ergonomics lectures (Instructor) to Colleagues in Sheikh Khalifa Medical City (SKMC), UAE.
  - Responsible for safety precautions & preventive measures for infectious disease.
  - Enhance the laboratory standard according to JCIA and updating SOPs. Supervise & follow the quality control program.
  - Supervise the periodic maintenance of medical instruments and submit a monthly report on laboratory instrument efficiency.
  - Help in solving technical & administration problems in the laboratory section. Ensure the accuracy of the results before putting it on the computer system.
  - **Instructor** for Mandatory Courses (Safety & Emergency plans) in Preventive Medicine, AHS, SEHA, HAAD, Abu Dhabi.
  - Participate in performance appraisal of routine work. Participate in the training of the new technicians.
  - Submit complete, efficient medical reports on individual cases.
  - Participate in arranging the request form & monthly/annual statistical data.

From 2nd Nov 2003 to 1st March 2006

- **Medical Laboratory Scientist,**
  Children's Hospital, Mansoura University, Mansoura, Egypt.
  - "Extensive clinical experience in medical laboratory sciences, encompassing diagnostic testing, quality control, and laboratory management in diverse clinical settings, ensuring accurate and timely results to support patient care and treatment decisions."
  - Researcher in Immunology lab using the applications of Monoclonal techniques. Assist in many research projects related to leukemia and lymphoma.
  - Work closely with the mice model (Ehrlich mice) infected by hepatic viruses and Ehrlich with Ascites tumor.

From April 2002 to 1st Nov 2003

- **Instructor (Academic researcher)**
  - Have a scholarship in the faculty of science (New Damietta), Mansoura University.
  - Responsible for teaching students in the Biochemistry lab.
  - Prepare teaching materials, techniques, and outlines for courses plus controlling student marks, and tests and evaluating their results.
  - Guiding and supervising students on curriculums and syllabi.

Teaching Activities

At University of Sharjah (Medical Lab Sciences), Qatar University (Biomedical Sciences), and Mansoura University, I taught many different courses in the Biomedical Lab Sciences program.

- Biochemistry (Basic and advanced) & Molecular Genetics
- Clinical Chemistry1 & 2 lab and theory.
- Lab Management & Quality Assurance.
- Urinalysis & Body Fluids & Phlebotomy.
- Clinical Chemistry Practicum/training
- Master Program: Advanced Clinical Chemistry, Advanced lab Techniques, and research Methodology.
- Diploma Program: Clinical Biochemistry 1 & 2, Operate Laboratory Equipment and Software, and Lab Management.
- Teaching Biology & Anatomy and Physiology as a service course for all departments in the College of Health Sciences.

Innovative teaching skills:

Adopting problem-based learning (PBL) as well as team-based learning (TBL) approaches. Teaching-related tasks include curriculum development, students' assessment through assignments, and periodic, practical, oral, and final theoretical exams. Contribution to exam grading as well as preparation of the course file to be submitted to the quality assurance unit. Different teaching models are handled during my classes including team-based learning, problem-based learning, and the flip class model. Also, Assignments which

including online problem-based questions, mind-map questions, and practical questions; in addition to the literature search and fill-in blank area generated from published articles. Mentoring of students through their graduation projects for students enrolled in the MLS Program. Participation in exam control committees oversees and regulates the final exams to ensure fair and accurate exam grading.

Academic and Examination Platforms Management

I have extensive experience in utilizing and managing key academic and examination platforms, with a primary focus on Blackboard and ExamSoft.

- **Blackboard**, I excel in designing and delivering engaging course content, facilitating interactive discussions, and monitoring student progress to ensure effective learning outcomes.
- **ExamSoft**, I have developed and administered secure, reliable assessments while streamlining grading processes and maintaining academic integrity.

My expertise in these platforms enables me to enhance course delivery, optimize student engagement, and uphold rigorous standards in teaching and assessment.

National and International Accreditation:

Accreditation Committee member:

- "In preparation for the CAA Accreditation by the Ministry of Higher Education, UAE, for both the B.Sc. and Master's programs in Medical Laboratory Sciences at the University of Sharjah (Dec 2024).
  Main role: I played a key role in the development and organization of essential accreditation materials. My responsibilities included help in preparing the self-study file, ensuring it comprehensively addressed all accreditation criteria and highlighted the program's strengths. I ensured that the courses met both national accreditation requirements and international standards, emphasizing best practices in laboratory sciences education.
- In preparation for Accreditation Agency in Health and Social Sciences (AHPGS), Germany, Europe, accreditation of B.Sc. and master's degree in medical laboratory sciences, university of Sharjah, UAE, 2022-2023.
  Main role: preparation of market surveys, and laboratory course files for self-study files. As well as, preparing all laboratories for the accreditation committee visit.
- In preparation for UAE Ministry of Higher Education initial accreditation of master's degree in medical laboratory sciences, university of Sharjah, UAE, 2018.
  Main role: preparation of market surveys, and laboratory course files for self-study files. As well as, preparing all laboratories for the accreditation committee visit.
- In preparation for UAE Ministry of Higher Education re-accreditation of B.Sc. Medical Laboratory Sciences, University of Sharjah, UAE, 2018.
  Main role: preparation of laboratories course files for self-study files and all laboratories for accreditation committee visits.
- In preparation for the Biomedical Sciences program, Qatar University to the **NAACLS Accreditation** requirements. First accredited program outside the US.

Prepare initial accreditation in 2009 and re-accreditation in 2012/2013.
Main role: preparation of laboratories course files for self-study file and all laboratories for NAACLS visit.

- In preparation for **JCIA accreditation,** for Disease Prevention and Screening Center (a reference lab for the WHO), Ambulatory Health Services, Health Authority Abu Dhabi, Abu Dhabi, United Arab Emirates (UAE), 2008.
  Main role: updating SOPs, and accreditation files, and Supervising & follow the quality control program.

Awards

- **Second position in labQ competition among all participant UAE universities**. WHX lab (formerly Medlab) Competition – WHX - Dubai exhibition center – Dubai, Feb 2026.
- **First position in labQ competition among all participant UAE universities**. Medlab Competition – Medlab - Dubai exhibition center – Dubai, Feb 2024. 2nd time in raw.
- **First position in labQ competition among all participant UAE universities**. Medlab Competition – Medlab - Dubai exhibition center – Dubai, Feb 2023.
- **Letter of Appreciation from Chancellor**, University of Sharjah for the distinguished contribution and publication in scientific refeered journal, March 2021.
- **Poster Participant:** CHS Annual Research Forum, UOS, Title" Hidden Fungal Species among UOS community: Investigation of Rhizopus spp; Risk and prevalence" **Prize Awarded: 3rd place for Medical Lab posters competition**, 2nd May 2019

Graduation Projects Thesis Supervision

- Fall semester 2024-2025
  - Impact of Ramadan Intermittent Fasting on Epithelial Mesenchymal Transition EMT) Markers.
- Spring Semester 2024/2025
  - "Intermittent Fasting-Induced Modulation of LC3B-Mediated Autophagy and Cellular Longevity in HepG2 and Human Dermal Fibroblast Cultures: An In Vitro Analysis"
- Fall semester 2023-2024
  - *Title*: Impact of Ramadan Intermittent Fasting on Epithelial-Mesenchymal Transition (EMT) Markers: Insights into Systemic Health and Disease Modulation
- Spring Semester 2023/2024
  - *Title:* The Association of Antioxidant NrF2 Gene, Obesity-Related FTO Gene Expression, and Insulin resistance with Ramadan intermittent fasting. 3 MLS students.
- Fall semester 2023-2024
  - *Title*: Exploring the Association of S100A4 and CD31 in Diabetes Pathogenesis and their Potential Role as Diagnostic Targets. 3 MLS students.
- Spring Semester 2022/2023
  - *Title*: The Association of the FTO and NRF-2 Genes' Expression with Type 2 Diabetes Mellitus (T2DM). 5 MLS students.
  - *Title*: Assessment of drug abuse awareness among university students: Methodologies and basic knowledge. 3 MLS students.
  - *Title*: Identification of Procalcitonin and PTX3 as a potential diagnostic marker for Diabetic ulcer/foot in T2D. Co-supervision with Dr. Dana Salahat. 5 MLS students.
- Fall semester 2021-2022
  - *Title:* Expression of Alpha SMA protein in M1/M2 macrophages in response To T2D

- Fall semester 2020-2021
  - *Title*: COVID19-Host Interaction: Prevalence and Risk. 4 MLS students.
- Spring Semester 2019/2020
  - *Title*: Immunomodulatory Potential of Secretory Peptides Extracted from Rhizopus Delmar Loaded on Nanoparticles. Co-supervision with Dr. Mohamed Ghaleb. 4 MLS students.
  - *Title*: Identification of potentially extracted anti-bacterial, Co-supervision with Dr. Mohamed Hamad. 3 MLS students.
- Fall Semester 2019/2020
  - *Title:* Microbial Profiling: Prevalence and Risk. 4 MLS students
- Spring Semester 2018/2019
  - *Title*: Hidden Fungal Species among UOS community: Investigation of Rhizopus spp; Risk and prevalence. 3 MLS students.
- Spring Semester 2017/2018
  - *Title*: The anti-adipogenic effects of Calligonum plant extract on mouse preadipocytes 3T3 cell line. 3 MLS students.
- Fall Semester 2017/2018
  - *Title*: Impact of Time-Restricted Feeding on Immuno-modulatory Response, Ramadan fasting as a Model.4 MLS students.
- Spring Semester 2016/2017
  - *Title*: M1/M2 macrophage subpopulations, Can the good macrophages be harnessed?. 2 MLS students.
- Fall Semester 2016/2017
  - *Title*: Role of rs1801282 SNP in PPARG gene and rs7903146 SNP in TCF7L2 gene in Type 2 diabetes as early diagnosis. 4 MLS students.
  - *Title*: IL6 Level as a proinflammatory in smokers and non-smokers among UoS population. 5 MLS students.
  - *Title*: Characterization and phenotyping of exosomes isolated from smoker's blood. 5 MLS students.

Post Graduate activities:

Main Supervisor:

- **Master Thesis:** Autophagic Flux and Longevity-Related Signatures Triggered by
- Intermittent Fasting : A Mixed-Method Approach In Obese Participants And In HepG2/Fibroblast Cultures Mimicking Model. *Student: Masa mhd Maher. May 2025*
- **Master Thesis:** The Role of Mineralocorticoid Receptors in Angiotensin II–Induced
- Cardiac Remodeling in Human AC16 Cardiomyocytes. *Student: Zaina Nael. May 2025*

Thesis examiner:

- Master Thesis: "The Ferroptotic effect of Myelin oligodendrocyte glycoprotein (MOG) on monocyte-derived macrophages". MLS – UoS. May 2025.
- Master Thesis: "Exploring Antimicrobial Activity and Genome Analysis of Bacillus Species Isolated from Mangroves in the UAE". MLS – UoS. May 2023.
- Master Thesis:"The role of USP27X in colorectal cancer and its impact on SNAIL expression". MLS – UOS, May 2022.

SCIENTIFIC ABSTRACTS AND POSTER PRESENTATIONS:

- Poster: "Assessment of Aflatoxin exposure in the United Arab Emirates (UAE): Biomonitoring of AFM1 Level in Urine Samples and Association with Dietary Habits." 5th Forum for Women in Research. "QUWA: Together Innovating to Shape the Future". Aug 2024.
- Poster:" Metabolomics and Immunological Responses of Peripheral- Derived Monocytic Macrophages to Recycled SARS-CoV-2 Proteins". 3rd Annual Conference - ESCM, Mohammed Bin Rashid University Of Medicine and Health Sciences (MBRU), Dubai-UAE. Nov 2023.
- Poster: "Study of the Effect of Four-Consecutive Weeks of Diurnal Intermittent Fasting on Inflammatory, biochemical, hormonal, genetic, and epigenetic markers in women diagnosed with PCOS: A Prospective cohort study". 4th Forum for Women in Research.QUWA: Sustaining Women's Empowerment in Research & Innovation". Aug 2023.
- "Assessment of drug abuse awareness among university students: Methodologies and basic knowledge", Annual Research Forum, CHS, UoS, 17th May 2023.
- Identification of Procalcitonin and PTX3 as a potential diagnostic marker for Diabetic ulcer/foot in T2D. Co-Supervisor. Annual Research Forum, CHS, UoS, 17th May 2023.
- Madkour M, et al. Modulation of Antioxidant, Anti-Inflammatory, and Metabolism Controlling Genes Expressions by Ramadan Intermittent Fasting: A Prospective Observational Study. Nutrition 2020 Live Conference, American Nutrition Society, USA.
- Accepted Abstract "Intermittent Prolonged Fasting During Ramadan Fasting Modulated Circulatory Adipokines, Body Composition, and Visceral Fat in Healthy Subjects". EUSTM-2017, 5th Annual European Conference on Clinical and Translational Sciences 20-22 October 2017
- Accepted poster "Hepcidin mediates estrogen-dependent changes in serum iron availability in humans". In 5th World Congress on Diabetes & Metabolism, Las Vegas, USA, 3-5 November 2014.

Administrative Activities

- **Head of Examination Committee, CHS.** (College Level) Sep 2022 till 2025

  This Committee is responsible for all aspects related to the mid-term and final exams. Preparation of the invigilation schedule, following up with the exams process, collecting the exams report, assuring the smooth exam process with daily observation during exam period.

- **Member of student success and advising committee.** (College Level) Sep 2022 till present

  Providing academic advice and looking for exception student's cases and their petition. Reviewed and addressed exceptional student cases, including petitions and appeals, to provide fair and thoughtful resolutions while upholding academic policies.

- **Member of CHS Timetable Committee.** (College Level) Sep 2014 till 2023

  This committee were responsible for all the arrangements of timetable and the course schedule. Also, responsible in a collaboration with other college in adjusting and prepare the best timetable for college and university shared courses.

- **Member of curriculum committee.** (College Level) Sep 2024 till present

  Actively contributing to the review, development, and enhancement of curricula at the college level to ensure alignment with academic standards, accreditation requirements, and industry needs

- **Member of CHS Accreditation committee** (college level), Sep 2024 till present.

  This committee supporting accreditation processes, ensuring compliance with standards, and reviewed the required documentation and reports.

- **Member of MLS Department council, (**Department Level) Sep 2013 till present

  This council is taking the whole responsibility of the all decision in MLS department regarding to course syllabus, accreditation, manage the lab requirements, advising update and problems etc…

Invited Speakers and seminars

- **Speaker:** DUPHAT 2025. "Can Our Genes Influence the Fasting response? Unravelling the Fasting-Gene Polymorphism Connection" Dubai World Trade Center, Dubai. Jan 2025.
- **Panelist Judge:** University Debate Championship "organized by the Federal Youth Authority" - Mohammed Bin Rashid Library – Dubai. Nov 2024

  بطولة المناظرات الجامعية - تنظيم الموسسة الاتحادية للشباب - بحضور ورعاية سعادة وزيري الشباب والتعليم العالي بدولة الامارات – مبني مكتبة محمد بن راشد - دبي
- **Judge & Poster Evaluator:**Your Gateway to Research Event day, Research Institute for Health and Medical Sciences (RIHMS), UoS. 15 Jan 2025
- **Panelist Judge:** "7th Annual students Research Competitions". Organized by American University in the Emirates (AUE). 27th, 28th Apr 2025.
- **Judge & Poster Evaluator:** Diabetes and Well-being Evwnt Day. Medical Colleges. 11 Nov 2024
- **Speaker & Scientific Committee editor:** Sharjah First International Conference on Fasting. CHS, UoS. **Title:** "Do our Genes Shape Our Metabolic Response to Fasting? Fasting – Gene Polymorphism Interaction" 28 – 29 Feb 2024.
- **Judge & Reviewer:** "Graduate Students Research Conference (UAEGSRC'22) competition". March 2023
- **Coach & Trainer:** Medlab Competition – 2024. Dubai exhibition center – Dubai First Position among UAE university. International level. 7th Feb 2024.
- **Speaker:** DUPHAT 2024. "Exploring the Impact of Diurnal Intermittent Fasting on Gut Microbiota in Overweight and Obese Adults: A prospective cohort study." Dubai World Trade Center, Dubai. 10 Jan 2024.
- **Panelist Judge:** "6th Annual students Research Competitions". Organized by American University in the Emirates (AUE). 11th, 12th Sep 2023.
- **Coach & Trainer:** Medlab Competition – 2024. Dubai exhibition center – Dubai First Position among UAE university. International level. Feb 2023.

- **Judge & Reviewer:** Characterization of infertility clinics attendees in the Abu Dhabi Emirate: a cross-sectional study'. Graduate Students Research Conference - On 24th March 2022 (UAEGSRC'22) competition.
- **Panelist Judge:** "5th Annual students Research Competitions". Organized by American University in the Emirates (AUE). Sep 2022
- **Speaker & trainer:** Workshop on "How to effectively draw the blood" – series of phlebotomy courses at Sharjah Surgical Institute, University of Sharjah. Nov 2020.
- **Speaker,** Title "Intermittent fasting during Ramadan ameliorates antioxidant gene expressions in adults with obesity" Scientific Innovation and sustainable Development, SISD. 2nd International Scientific Conference of Faculty of Sciences, Ain Shams University, Oct 2018
- **Coordinator & Speaker** In Workshop under title "Genetics at Zambia, New Hope to Explore" Tai Pamodzi, Lusaka, Zambia, 8-10 Jan 2019.
- **Poster Evaluator & Judge:** The 3rd Future Pharmacist Day, University of Sharjah, April 2019
- Organizer & Judge: **1st Hematology Day,** Medical Lab Science Department, CHS, University of Sharjah, Sharjah, UAE, 25th April 2019.
- **Organizing committee member:**

  A Workshop on Discovery, Application and the Future. "**A Reference Genome for Egypt: Empowering Egyptian Precision Medicine & Health".** Organized by: American University in Cairo & DAAD, Germany, June 27, 2019.
- **A judge at** School Judge Council, "Emirates Young Scientist school council finals" – Ministry of Education – Sharjah, Sat, 16th Nov 2019.
- **Speaker,** In the SCI-TECH Club, the title "MLS Technology Over Time" Medical Campus, 21st Feb 2017.
- **Speaker** in Clinical Institute of Molecular Biology, University of Kiel, Germany, under the title "Estrogen enhances serum iron availability in premenopausal women by downregulating Hepcidin synthesis", 3 – 5 Feb 2016.
- **Speaker** in occupational Health day, Environmental and occupational health department, Sharjah University (28/11/2007), under title "Biochemical and Immunological changes accompanying Fluoride ion Exposure on the workers".

Training & Workshop and Conferences

- **Student supervision and participant:** The 12th Undergraduate Research and Innovation Competition (URIC) – Abu Dhabi university - Abu Dhabi. 29 May 2025.
- Participant: Dubai Stem Cell Congress. Ritz Carlton – Dubai. 25 Feb 2025.
- Attendance: Excellence in Oncology Congress (EIOC) 2024, Festival city, Dubai. Oct 24.
- Training Workshop: "Mpox Update: Transmission, Treatment, and Vaccination". College of Medicine, UoS. 25 Sep 2024.
- Participant: 7th Annual Mediclinic Middle East Research Conference – Abu Dhabi. 23 Sep 2024
- Organizer: The **American Society for Clinical Pathology-Board of Certification (ASCP-BOC) Meeting**. Photo attached. 7th Feb 2024
- 23rd Annual Laboratory Management and Medicine Congress **(MEDLAB Congress 2024).** International level. 8th Feb 2024

- Training Workshop: **"Promoting Academic Integrity at UOS: Effective Strategies for Addressing Students' Misconduct"**. organized by the Institute of Leadership in Higher Education– UoS. 19th Feb, 2024
- The Registration department would like to thank you for attending the workshop**. " لوائح البكالوريوس و سياسات التسجيل (باللغة العربية)".** 24th Apr 2024
- **Webinar on Risk Management in the Clinical Laboratory**, organized by: Faisal Ibrahim. Head of Quality Assurance and Regulatory Affairs UINLABS, Public, Apr 2024
- Representative: **UOS Open Day Representative Rosters** – UoS. 4th May 2024
- **3rd UAE Anatomy and Cell Biology Conference**. Khalifa University, UAE. 25th May 2024
- **Certificate of Excellence in Students Assessment program for the academic** year 2023-2024. 12 sessions in 12 Saturday (weekend). Medical Education Center - UoS Selected Medical Academic members. All Spring Semester
- **26th International Congress of Clinical Chemistry and Laboratory Medicine**. 17th Congress of Arab Federation of Clinical Biology. World Trade center, Dubai. 27th May 2024.
- **3rd MENA Stem Cell Forum** – Movenpick Rotana _ Dubai. 7th June 2024.
- **"ChatGPT for Researchers: Tools and Techniques**. – UoS. 27th Sep 2023.
- Training Workshop: **"المسؤولية المجتمعية تجاه صحة كبار السن"**. 4th Oct 2023.
- Participant & CME earned workshop: **"Advances in Clinical Chemistry Education and New Technology (ACCENT®)".** American Association for Clinical Chemistry, Inc. (AACC). Activity Number: 28384254. CME earned, Grand Hayat – Dubai – UAE. 7th – 8th Oct 2023
- Volunteer: **Aging campaign**. Al Humaira aging center – Sharjah. Photo Attached 11 oct 2023
- **5th Annual Strategy Conference UOS**. 12 Oct 2023
- Participant & poster presentation: 3rd Annual Conference - ESCM, Mohammed Bin Rashid University of Medicine and Health Sciences (MBRU), Dubai-UAE. Poster title: Metabolomics and Immunological Responses of Peripheral- Derived Monocytic Macrophages to Recycled SARS-CoV-2 Proteins. 03 – 05 Nov, 2023
- The College of Graduate Studies would like to thank you for attending the workshop على طلاب الدراسات العليا الإشراف الفعال. 12 Nov 2023
- Training Workshop: **"Research at UoS: Opportunities, Grants, and Expectations".** The office of the vice chancellor for Research and Graduate studies – UoS. 11 Dec 2023.
- Research that matters: **"Women, power, and cancer –a Lancet Commission".** Research Institute for Medical Research and health Sciences – UoS. 12 Dec 2023.
- **10th Emirati German congress in Medicine and Dental Medicine**. UoS Campus. Nov 2024
- **"Effective Instructional Designing for Employability:** organized by the Institute of Leadership in Higher Education. – UoS. 21st Sep, 2022
- Training Workshop: Olympus high throughput imagine machine: **High-Content Imaging and Analysis Solutions, ScanR - High-Content Screening Station for Life Science.** Paramount Hotels Dubai, Business Bay, Dubai, 28th Sep, 2022

- Research Talk Café' "**Securing External Grant Capture and Impact in Non-STEM Areas"**. The office of the vice chancellor for Research and Graduate studies – UoS, Oct 2022
- Participant & CME earned workshop: **"Advances in Clinical Chemistry Education and New Technology (ACCENT®)".** American Association for Clinical Chemistry, Inc. (AACC). International level, Certificate attached Activity Number: 02114113. 12 CME earned, Grand Hayat – Dubai – UAE. 6th Nov 2022
- **Diabetes Awareness Day** – Al Razi Hall (M24) – UoS, 9th Nov 2022
- **My Health Conference 9th edition under the slogan (Towards a healthy lifestyle).** The health promotion department – supreme council for Family affairs – Sharjah, Al Razi Hall – UoS. 15-16th Nov 2022
- **9th Emirati German congress in Medicine and Dental Medicine,** UoS Campus,Nov 2022.
- **4th Annual Strategy Conference** – Mawasem Hall – Sharjah Golf & Shooting club – Sharjah, 8th Dec 2022
- **"Research Outreach & Beyond".** The office of the vice chancellor for Research and Graduate studies – UoS, 12th Dec 2022
- **"Designing Interactive Learning Module"** - Institute of Leadership in Higher Education – UoS. Oct 2021
- Participant: cyber security assignment**, Data Protection, given to you by UOS-ITC**. Oct 2021
- Research Workshop: **"Best phlebotomy practice training"** – organized by BD Company in M31 – UoS. Nov 2021
- Organizer & Participant: **8th Emirati German congress in Medicine and Dental Medicine.** Nov 2021
- Participant: **UAE National Day Celebration at the UOS: (Scientific Society)**. Dec 2021
- Attendee: **Emirates surgical pathology conference- ESPC Conference** - Sofitel Dubai the Obelisk, Dubai. Dec 2021
- Attendee: **The Sharjah Meeting on Science Parks and Innovation** - Office of the Vice Chancellor for Research and Graduate Studies – UoS. 23rd Dec 2021
- Participant: AI Week **"Empowering Digital Health Education with AI"** Hybrid Event - Venue: Al Razi Hall - UoS . January 2022
- Attendee: **Medlab Middle East**: Dubai, UAE. 24-27 Jan 2022
- Attendee: **"Developing Competencies in Medicine and Biotechnology for UAE".** Presented by Dr. Habiba AlSafar (UAE) – Organized by SIMR – UoS. 8th Feb 2022
- Attendee: 16th Research Talk Café': **"Work-life balance in academia: fact or fiction",** Prof. Mohamad Alameddine. Feb 2022
- Attendee: **"Bifidobacteria-mediated immune system imprinting early in life".** Presented by Dr. Priyadharshini Sekar – Organized by SIMR – UoS. Feb 2022
- Judge & Reviewer: **"Characterization of infertility clinics attendees in the Abu Dhabi Emirate: a cross-sectional study"**. Graduate Students Research Conference. (UAEGSRC'22) competition." 24 Mar 2022.
- Attendee: Virtual Seminar: RIMHS Seminar **"The Multi-OMICs ERA"** . 22 Mar 2022

- Lecture: Ramadan fasting A contemporary research perspective By Dr. Moez Al Islam Faris , UoS Academic, students, and staff at UOS 7 Apr 2022
- Participant: **Nutritional Genomics: the gateway to personalize nutrition.** UAEU, Al Ain. Apr 2022
- Attendee: **Precision Med Exhibition & Summit** 2022. May 2022
- Seminar & workshop: **The journey of discovery into the CRISPR-Cas genome engineering technology with Nobel Prize laureate Emmanuelle Charpentier.** May 2022
- **"Blackboard Assignment Tool, Rubrics, and Attendance".** IT department, University of Sharjah, 17. Sep.2020
- 5th Research Café' Talk 'Creativity 4 the **4th IR".** The researcher club – Medical Campus. University of Sharjah, 5. Oct 2020.
- Workshop:"**Pre-award research funding- Grants and Guidelines**"- University of Sharjah. 11th Oct 2020.
- "**Reshaping Clinical skills of Healthcare professionals".** College of Medicine – University of Sharjah, 28th Oct 2020.
- **"COVID19:the right treatment at the right time".** College of Medicine – University of Sharjah, 4th Nov 2020.
- 2nd TRC Café Scientifique Meeting, "**How to get your paper published".** Prof Qutaiba Hamid – college of medicine - University of Sharjah, 25th Nov 2020.
- **The role of SARS-CoV-2 entry genes and immune inhibitory receptors in COVID-19 pathogenesis**. Dr. Narjes Saheb Sharif Askari, SIMR, University of Sharjah, Nov. 2020.
- Arranging and Preparation of COVID19 sample collection center and lab at the University of Sharjah. All UoS Community, Academic, students, staff, and their families get benefits from this center, Nov 2020 - Feb 2021.
- Workshop by BCL-UAE introducing their new lab products. Medical Lab Science Dep – College of Health Sciences - University of Sharjah, 21st Jan 2021.
- Lecture in Arabic "**أسرار زيت الزيتون والوقاية الغذائية من السرطان".** Dr Moez Alislam Faris – College of Health Sciences - University of Sharjah, 1st Feb 2021.
- RIMHS RGs Workshop- **"Establishment of Sharjah Oasis Technology Park-SOTI".** Research Institute of Medical & Health Sciences, University of Sharjah, 4th Mar 2021.
- Workshop: **"From University Research to Real World Impactful and Patentable Research".**Prof Ahmed Elshamma - University of Sharjah, 14th Mar 2021.
- 5th TRC Webinar: **"Sample Size Calculation made easy".** The researcher club – Medical campus, University of Sharjah, 17th Mar 2021.
- Training Workshop: "TurnItIn **ورشة عمل عن الإقتباس و□رنامج".** The College of Graduate Studies - University of Sharjah, 15 Apr 2021.
- 12th Research **Cafe' "Translational Research Bridging the gap between basic and clinical research".** Office of the vice chancellor for research and graduate studies - University of Sharjah, 2nd May 2021.
- Representer: UOS Virtual Open Days 2021-2022. By Marketing & Student Recruitment Department - University of Sharjah, 26th May 2021.

- Research Workshop: **"Roadmap to impactful research".** Prof. Rabih Halwani, organized by: Office of the vice chancellor for research and graduate studies - University of Sharjah, 30th May 2021.
- CHS Annual Research Forum, Title **"Covid-19 host interaction: prevalence and risk".** College of Health Sciences - University of Sharjah, 1th Jun 2021.
- **"Progress of COVID-19 UoS Funded Research Projects lectures".** Office of the vice chancellor for research and graduate studies - University of Sharjah, 1th Jun 2021.
- **UAEGSRC'21- UAE** Graduate studies Research Conference – UAE, 28th Jun 2021.
- **"Autonomous B Cell Receptor Signaling in Chronic Lymphocytic Leukemia",** Prof. Hassan Jumaa, Institute of Immunology, University Hospital Ulm, Ulm, Germany, MLS Department learning series lectures, University of Sharjah, 26 March 2019.
- **"Spot of Light in the UAE: Thalassemia Case Studies"**. Dr. Maryam Matar, Chair of UAE Genetic Diseases Association, as a part of Thalassemia Awareness Day activity, Medical Lab Department, CHS, University of Sharjah, 28 April 2019.
- **Attending training workshop:**

  "DCs, Tregs, and beyond: lessons learnt from the skin immune system." July 2019, Prof. Dr. Alexander Enk, Head of the Department of Dermatology, Ruprecht-Karls-University of Heidelberg in Lubeck University, **Germany**.
- 2019 Knowledge Summit" organized by the Government of Dubai. October 1, 2019
- Attended Research Café Talk on **(Research & Innovation: Breaking the barrier, Thinking outside the Box)** conducted by the vice chancellor's office for research & graduate studies, Dec 10th, 2019.
- **"UAE Cancer Congress"** InterContinental Hotel Festival City, Dubai, UAE**, Award 36 CPD** credit points (Accreditation No. 1724/18) by Dubai Health Authority, 11-13 Oct 2018
- "**7th International Genetic disorders conference** & UAE international Genetic disorder prevention Award, 2018" **Award 8.75 CPD** credit points (Accreditation No. 1829/18) by Dubai Health Authority, Nov 2018
- **Workshop:** International Conference of Pharmacy and Medicine in 2018 (ICPM). The University of Sharjah, 18 – 21 Nov 2018
- **6th Emirati-German Congress in Medicine,** University of Sharjah, Sharjah, UAE, 18 - 21, Nov 2018.
- Arab Health Conference, 18th Annual Med lab congress, World Trade Center, Dubai, UAE, 4 – 7 Feb 2019
- **Workshop:** Clinical Preceptor Workshop "Shaping the Next Generation of Professionals" University of Sharjah, UAE, 23 Feb 2019.
- **Workshop:** Touching Clinical Lab Results in Pain Points, University of Sharjah, clinical and surgical Institute, UAE, Award 4.5 CPD points, (Reference No. UOSCTC20190307-4.5), 7th March 2019
- Attendance: 8th Medical Diagnostic Imaging Seminar: Leading the way-radiographer Advanced Practice in the Middle East. 15th April 2119
- Supervising Students participating in **"7th undergraduate Research Competition,** 29 April 2019

- **Poster Participation**: 13th, Annual Research Forum, University of Sharjah Poster Title" Exploring the Health Implications of Diurnal Intermittent Fasting in Subjects with Obesity: Ramadan Fasting Mode," 29 April 2019
- **First annual the University of Sharjah Strategy Confere**nce. Aug 28th, 2020.
- **Co-ordinating and Participating:** MLS Students Campaign in police college, UoS Mobile Clinic visiting Sharjah Community. **Activity Include:** Educational information and conducting laboratory tests. Sharjah Community - Sharjah Police College - 27th Oct 2019
- **Organizing committee:**7th Emirati-German Congress in Medicine, University of Sharjah, Sharjah, UAE, 3 – 4, Nov 2019.
- The Office of Vice Chancellor for Research & Graduate Studies invites you to the First Research Café Talk: **"Roadmap for Impactful Research" on** Nov 26st, 2019.
- Attended **Research Café Talk** on (**Research & Innovation: Breaking the barrier, Thinking Outside the Box**) conducted by the vice chancellor's office for research & graduate studies. UOS, Dec 10th, 2019.
- **"Epstein Barr Virus (EBV)"** Presenter: Dr. Jihad Saadeh; Director of Al Enaiah Medical Lab (Lab Care), Department of Medical Laboratories Sciences, Seminar Series, College of Health Sciences, University of Sharjah, Tuesday, 18th of October, 2016.
- **ASCP; "Pathology Update conference 2016"** Cleveland Clinic Laboratories, Dusit Thani Abu Dhabi, 3-4 Nov 2016.
- **"Expanded Newborn Screening"** Presenter: Mr. Arbab Abdallah, Laboratory Managing Director, University Hospital Sharjah. UoS, Tuesday, 18th of October, 2016.
- **"Laboratory Assessment of Coagulation Disorders,"** Presenter: Dr. Amira Fayez, Department of Medical Laboratories Sciences, Seminar Series, College of Health Sciences, University of Sharjah, Tuesday, 15th of November, 2016.
- **"Advances in the Laboratory Diagnosis of Hemoglobinopathies and Thalassemia in UAE",** Presenter: Dr. Erol Baysal, Prof. of Genomics - Head of Molecular Genetics, Dubai Genetic & Thalassemia Centre- Dubai Health Authority. Department of Medical Laboratories Sciences, Seminar Series, College of Health Sciences, University of Sharjah, Tuesday, 22nd, November 2016.
- **"Neuroinflammation in a mouse model of spinal cord injury"** Presenter: Masoud H Golakani, St. Vincent's Hospital center for applied medical research and University of New South Wales, Sydney, Australia, UoS, Monday, 17th of April 2017.
- **"CRISPR'**, presenter: Dr. Palat K. Menon, Department of Medical Laboratories Sciences, Seminar Series, College of Health Sciences, University of Sharjah, Tuesday 10th Oct 2017.
- **" Antimicrobial resistance (AMR): How did we get here and what the future hold?",** presenter: Dr Shafii Mohammed, Director, Infection Prevention & Control Cleveland Clinic Abu Dhabi, Department of Medical Laboratories Sciences, Seminar Series, College of Health Sciences, University of Sharjah, Tuesday 7th Nov 2017.
- **"T&L Workshop: Active Learning"** organized by the Institute of Leadership in Higher Education, April 22, 2018, Instructor: Prof. Clare Milsom, Liverpool university.
- **"T&L workshop: integrating research in undergraduate course"** organized by the Institute of Leadership in Higher Education, April 23, 2018, Instructor: Prof. Clare Milsom, Liverpool university.

- **"T&L workshop: Assessment: principles, Marking, and feedback"** organized by the Institute of Leadership in Higher Education, April 24, 2018, Instructor: Prof. Clare Milsom, Liverpool university.
- **ExamSoft Training workshop.** College of Medicine, UoS, May 29th, 2018.
- "Patients Safety Middle East Exhibition 2016", Dubai International Convention and Exhibition Center, UAE, 4 – 6 October 2016.
- **"Pathology Update Conference."** December 11 – 12. *Abu Dhabi, UAE.*
- The 3rd Middle East Molecular Biology Congress 7 Exhibition, Research Complex, Qatar University,14-17 Nov. 2016
- Arab Health Conference, (Med lab) World Trade Center, Dubai, UAE, 6 – 9 Feb 2017
- "*Forum on the Role of Global Standards, CLSI and Laboratory Automation in Improving Quality of Clinical Laboratories Services and Patient Outcomes*". Dubai World Trade Center, Dubai, 7th Feb 2017
- ***ZEDEC,*** Emirates Diabetes & Endocrine Congress, Dubai International Convention, and Exhibition Center, UAE, 16-18 Feb 2017
- ***The workshop,*** the lab equipment, and consumables Purchase Process to ensure effective and smooth implementation of the updated procedures and forms.
- ***Supervisor of Research group students*** "Fifth United Arab Emirates Undergraduate Student Research Competition." Abu Dhabi University, Abu Dhabi, May 8th, 2017.
- **"UAE Cancer Congress."** InterContinental Hotel Festival City, Dubai, UAE, Award 6.75 CPD credit points (Accreditation No. 1824/17) by Dubai Health Authority, Oct 2017.
- The 4th Middle East Molecular Biology Zayed University Convention Center, Abu Dhabi, Nov. 2017
- **"Making Education Dynamic,"** Ibtikar Program, Mohamed Bin Rashid Center for Government Innovation, Ibtikar Hall, Prime minister's office, Dubai, 5 Nov 2017.
- UoS- Boehringer Ingelheim Partnership workshop 2017, University of Sharjah, Sharjah, UAE. 7-8 Nov 2017, Award Certificate For supervising the poster presentation awarded the First Place
- **Workshop:** International Conference of Pharmacy and Medicine in 2017 (ICPM). Ministry of Health accredits the activity for 14 CME Hrs., Accreditation ID No. **MOHAP/CPD/17/0951,** 9th -11th Nov 2017.
- **Knowledge Summit 2019,** Fourth Industrial Revolution, World Trade Center, Dubai, UAE. 22nd Nov 2017.
- **Organizer:** 5th Emirati-German Congress in Medicine, University of Sharjah, Sharjah, UAE, Awarded 10 CME Accreditation. 26th -27th Nov 2017.
- 7th Pan Arab Human Genetics Conference (PAHGC 2018), The Omics Era. Conrad Dubai Hotel, Dubai, UAE, (Awarded 9 CME Accreditation No. 171295). 18th -19th 2018.
- **Organizer & partnership Faculty for Clinical Chemistry:** "**ASCP** Certification Preparation: The MLS Course," University of Sharjah, Medical & Health Sciences Colleges campus, Sharjah, UAE. 2nd -3rd 2018
- Arab Health Conference, (Med lab) World Trade Center, Dubai, UAE, 4 – 7 Feb 2018

- 4th Annual SKGH Symposium 2018 "Infectious Diseases: Overview & Updates " 13 Oct. 2018, AL Hosn Hall, Ajman, Sheikh Khalifa General Hospital "Umm Al Quwain" with 6 CME under Accreditation Number: MOHAP/CPD/18/0970.
- **Training workshop** on **"Prevention and Early Detection of Breast Cancer**." Faculty of Sciences, Ain Shams University, Egypt, 26 Oct. 2018.
- **workshop in Teaching & Learning: "Principles of Flipped Lecture, What, Why, How, What if?"** Medical Education Center, University of Sharjah, 4th Nov. 2018.
- **Meeting:** Fostering University and Industry Partnership: Assessing Biomedical & Health Research Opportunities. College of Medicine and Health Sciences, Jan 30th, 2020.
- Participate as a co-author in the Third Arab Emirates Undergraduate Student Research Competition, Abu Dhabi University, May 21, 2015.
- "Cancer Treatment and Nanomedicine with Success Stories" seminar. Sharjah University, May 19, 2015.
- Developing Superior Medicine Using Nanotechnology – An Idea Whose Time has Come" Seminar. The University of Sharjah. May 10, 2015.
- **"Happy Genes"** seminar. Organized by the College of Health Sciences, the University of Sharjah. Dec 2014.
- Boehringer Ingelheim-UOS Research Award Program 1st round Fall 2014, Conducted Clinical Training, Thursday 18 Sep 2014.
- **"Research Ethics Faculty Development Workshop"** organized by the College of Medicine, the University of Sharjah. February Monday 9, 2015. Presented by Prof. Henry Silverman.
- **Abcam seminar covering:** Optimization of Western Blotting, Optimization techniques for Immunocytochemistry and Immunohistochemistry, Sharjah Institute of Medical Research (SIMR), Sharjah University, UAE. 28th January 2014.
- The First Regional Conference: Nutrition Challenges in The East Mediterranean Region, World Health Organization collaborated with the University of Qatar, March 28-29, 2011.
- Health Awareness Day. The University of Qatar, 7th April 2010.
- Two days Lab Safety short course, Lab safety institution – Weill Cornell Medical College, 28 -29 Apr 2011.
- International CLL workshop, Training courses, Clonality Diagnosis, clinical Pathology Department, Mansoura Oncology Center in Collaboration with FDA, NCI, NIH, Bethesda, USA, (Oct 28 – 30, 2008).
- The sixth scientific international conference for clinical pathology in the faculty of medicine. Mansoura University (Sep 25 to 26, 2002).
- Gastro-Introlgy and Hepatic Surgery Association Meeting, Palestine Hotel, Alexandria, Egypt. (Sep 2003).
- Seminar on Basic Operation of Flameless Atomic Absorption Spectrophotometry.

Personal Information

- Date of birth: 1/1/1981
- Place of Birth: Egypt
- Nationality: Egyptian

- Marriage status: Married

Languages

- Arabic: Native Language.
- English: Excellent verbal and written skills.

  Business English Certificate Vantage, University of Cambridge