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Curriculum Vitae (CV)
Mohamed A. Al-Griw, Ph.D.

A. Contact details

- **Position:**
 - Director, Quality and Performance Evaluation Office (QPEO)
 - Associate Professor of Clinical Molecular Genetics
- **Areas of expertise:** Genetics; Epigenetics; Molecular biology; Neuroscience; Neurodegeneration
- **Email:** m.algriw@uot.edu.ly
- **Phone:** +218 (0) 913186924
- **P.O. Box:** 13160 – UoT, Tripoli, Libya
- **Location:** Department of Histology and Genetics, Faculty of Medicine, University of Tripoli (UoT), Tripoli, Libya
- **WhatsApp:** 0913186924
- **Website:** [ORCID](#) | [ResearchGate](#) | [Academia](#) | [Skype id](#) | [Mohamed Al-Griw](#)



Born in 1977, from the city of Tripoli, studied and graduated from Tripoli, he holds a Bachelor (B.Sc., April 2001) and Master's (M.Sc., Jan 2006) degrees in Sciences from University of Tripoli (UoT), and a Doctor of Philosophy (Ph.D., Nov 2012) degree in Clinical Molecular Genetics from University of Leeds, Leeds, United Kingdom.

- 15 years of academic and administrative experiences with University of Tripoli (UoT) and Libyan Ministry of Education.
- Worked with the committees of the UoT and the Libyan Ministry of Education as well as the National Center for Quality Assurance and Accreditation of Educational and Training Institutes (NCQAAETIs) in the areas/fields of strategic planning, quality assurance in higher education, academic accreditation, and the ranking of Libyan universities.

B. Education/Training

Institution and location	Degree	Completion date	Field of study
School of Molecular and Cellular Biology, University of Leeds, Leeds, U.K.	Ph.D.	Apr 2009–Nov 2012	Molecular Neuroscience
Faculty of Sciences, UoT, Tripoli, Libya	M.Sc.	Mar 2002–Jan 2006	Medical Genetics
Faculty of Sciences, UoT, Tripoli, Libya.	B.Sc.	Sept 1996–Jun 2000	Biology
Secondary School, Tripoli, Libya	-	1993 to 1995	-
Primary School, Tripoli, Libya	-	1990 to 1992	-
Basic School, Tripoli, Libya	-	1984 to 1989	-

C. Personal Statement

My research interests are in identifying the molecular, genetic, epigenetic mechanisms that are crucial in human and animal diseases/abnormalities. I am cross-trained in molecular biology, neuroscience, genetics, epigenetics, and biostatistics. Our research uses a range of molecular and genetic approaches.

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D. Positions, Duties, and Responsibilities

Academic positions

Aug 2019-present	Professor (Associate) , Clinical Molecular Genetics, Department of Histology and Genetics, Faculty of Medicine, UoT, Libya.
Nov 2020	Consultant , Graduate and Training Management, UoT, Tripoli, Libya.
Oct 2019-June 2020	Head , Department of Histology and Genetics, Faculty of Medicine, UoT, Libya.
Oct 2016-Oct 2017	Head , Zoology Department, Faculty of Sciences, UoT, Tripoli, Libya.
Jan 2016-present	Professor (Assistant) , Clinical Molecular Genetics, Zoology Department, Faculty of Sciences, UoT, Tripoli, Libya.
Jan 2013	Lecturer , Molecular Genetics, Faculty of Sciences, UoT, Tripoli, Libya.
April 2009- Nov 2012	PhD. Student , Ph.D. thesis title: Molecular and Cellular Analysis of White Matter Ischaemic Injury, University of Leeds, Leeds, UK.
Jan 2006	Assistant Lecturer , Molecular Genetics, Faculty of Sciences, UoT, Tripoli, Libya.
April 2003-Dec 2005	M.Sc. Student , M.Sc. dissertation title: Detection of mutations in exon-13 of the human insulin receptor gene among some Libyan patients with type-II-diabetes mellitus, Faculty of Sciences, UoT, Tripoli, Libya.
Jan 2005	Demonstrator , Faculty of Sciences, UoT, Tripoli, Libya.
Sept 1996-Mar 2001	B.Sc. Student , B.Sc. dissertation title: A reference study on genetic diseases in western Libya, Faculty of Sciences, UoT, Tripoli, Libya.

Administrative positions

April 2018-May 2019	Member , Director Board of National Center for Quality Assurance and Accreditation of Educational and Training Institutes (NCQAETIs), Ministry of Education, Libya.
July 2017-present	Director , Quality and Performance Evaluation Office (QPEO), UoT, Tripoli, Libya.

Other Experience and Professional Memberships

October 2020	Board Member , International Academic Accreditation Council (IAC), Islamic Sciences Accreditation Agency (IAK), Turkey.
July 2020-present	Chairman committee , Development of scientific departments of the Joint Specialty, UoT, Tripoli, Libya.
Sept 2019-present	Member , Higher Committee for the following up the UoT Ranking internationally, UoT, Tripoli, Libya.
Sept 2019-present	Chairman , committee Ranking of faculties at UoT, Tripoli, Libya.
July 2019-present	National committee member , Ranking of Libyan Universities, Ministry of Education, Tripoli, Libya.
July 2020	Founder , Libyan University Ranking Guide, Ministry of Education, Tripoli, Libya.
Sept 2018	Chairman , committee to fulfill the requirements of institutional academic accreditation for all faculties at the University of Tripoli in accordance with the accreditation criteria issued by the National Center for Quality and Accreditation of Educational and Training Institutes (NCQAETIs) in the State of Libya.
Jun 2018	Editorial board , Insight-Veterinary Science
Oct 2017	Chairman , committee for the preparation of the strategic plan for University of Tripoli (2018-2022) and follow-up implementation.
Sept 2017	Chairman , committee for habilitating the University of Tripoli Faculties to implement quality systems.
March 2017- May 2018	Higher Committee Member , Follow up the International Ranking of University of Tripoli, UoT, Tripoli, Libya.
June 2016	Founder member , The University of Tripoli Ethics Charter of Scientific Research, UoT, Tripoli, Libya.
April 2015	Founder Member , Medical and Biological Analysis Unit, Reference Laboratory, UoT, Tripoli, Libya.
July 2014	Founder and President , Forensic Biology Division, Faculty of Sciences, UoT, Tripoli, Libya.

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March 2013	Chairman committee , Educational and Cultural Activities, Zoology Department, Faculty of Sciences, UoT, Tripoli, Libya.
2012	Member , The Physiological Society.
2011	Member , Society for Neuroscience.
2010	Member , European Association Cancer Research (EACR).

E. Grants received

2015	The U.S.A. National Academy of Sciences A grant to implement Responsible Science in Zoology Department, Faculty of Sciences, UoT, April 09 - May 24, 2015
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F. Projects

- A member and a representative of development of Libyan higher education system, specific team (Quality assurance team), funded by Wheel Project (2019-2022), European Union Project,

G. Skills & experience

Research skills

- ❖ During my research career I gained substantial experience in a wide range of genetic and molecular biology techniques including:
 - **Biochemistry**
 - Protein extraction & purification.
 - Polyacrylamide gel electrophoresis.
 - Western blotting.
 - Cell survival, proliferation (BrdU immunostaining), and death assays (annexin and TUNEL).
 - Various enzymatic and non-enzymatic oxidative stress markers.
 - **Cell and tissue cultures**
 - Handling and maintenance of cell culture (primary cells and a wide range of cell lines).
 - Handling and maintenance of organotypic slice culture.
 - Transfection and selection of single cell clones.
 - Gene transfer into primary cells and cell lines.
 - Treatment of cultures with various biological substances (e.g. inhibitors).
 - **Animal handling**
 - Albino Wistar rats & Swiss Albino mice.
 - Injections (IP, IV, IM and Subcutaneous).
 - Treatment, sacrifice, identification & dissection of different animal body parts.
 - **Molecular biology**
 - RNA, DNA extraction, and cDNA preparation and amplification by RT-PCR.
 - Gene expression techniques: Quantitative-RT-PCR.
 - Genotyping/ polymorphisms of genes: PCR-RFLP.
 - Gene cloning, AVV transformation.
 - Infection of human cell line using AVV-GFP.
 - **Immunotechnology & histology techniques**
 - Histopathology.
 - Immunocytochemistry.
 - **Instruments handle**
 - Real Time-PCR (RT-PCR).
 - Spectrophotometer.
 - Quantitative (Q)-RT-PCR.

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- Light & confocal Microscopy.
- **IT skills**
 - Excel, Microsoft word, PowerPoint
 - Statistical Packages (SPSS, Origin Pro, Prism)
- **Bioinformatics**
 - Primer design use of web based tools: BLAST, CLUSTAL-X, MULTALIN, HEX6.0,
 - Bio Imaging Analysis (ImageJ)
- **Other Skills**
 - Proficient in teaching, good in experimental design and writing papers.
 - Excellent communication skills and team work.
 - Languages: Arabic (mother tongue), English.

Teaching experience

- Clinical genetics and genomic technologies in clinical diagnostics
- Fundamentals and advanced cell and molecular biology
- Epigenetics
- Population genetics
- Cell & tissue cultures
- General Biology-I & -II (for Science and pre-medical students)
- Methods in health data science (some experience)
- Biomedical data analysis (some experience)
- Ethical procedures, principles, pitfalls in research
- How to mentor students towards innovative research

H. Contributions to Science

Current specific research

- Genetics and epigenetics in disease mechanisms
- Epigenetics in cancer
- Actions of environmental insults on the disease/abnormality inheritance
- Protective effects of vitamin D against environmental toxicants induced abnormalities/diseases

Research supervision

- **Current postgraduate researchers (M.Sc. programme)**

Role: Principal Investigator/ supervisor

1. **Zaynab Osama Alshibani.** Histone deacetylase inhibitors "valproic acid" as a potential therapeutic for Bisphenol A Induced Liver Abnormalities
2. **Suliman M. Shalabi.** The Effects of Black Seed (*Nigella sativa*) Oil Extract on Sperm Parameters and Testicular Architecture of Mice
3. **Zohour M. Marwan.** Protective role of vitamin D against bisphenol A (BPA) toxicity of the heart, kidney, and lung in male and female mice
4. **Nuha Almahdani.** Possible Link between Polymorphisms in Adiponectin (ADIPOQ) and Resistin (RETN) Genes and Development of T2DM in a Population of Tripoli, Western Libya
5. **Sohaila Zaid.** Effect of vitamin D on early exposure bisphenol-A induced oxidative liver in young mouse
6. **Asma Alshreef.** Association between adiponectin (ADIPOQ) and resistin (RETN) Gene Polymorphisms & T2DM in a Population of Tripoli, Western Libya

Role: Co-Investigator/ supervisor

7. **Hanan N. Balog.** Actions of vitamin D on early-life exposure to bisphenol A (BPA) induced spleen damage in murine animal model

- **Former postgraduate researchers (M.Sc. programme)**

Role: Co-Investigator/ Co-supervisor

1. Najah A. Fares. (2016). CYP1A1 genetic variations and lung cancer risk in a population of Libyan males.
2. Amal E. Elarifi. (2015). molecular analysis of TAL1 gene mutations in individuals with T-ALL and T-NHL.
3. Ashrf Aboaleid. (2014). Using of short tandem repeats (STR) in an identification of human remains in some mass graves in some Libyan cities.

Research publications: (31 Total)

1. **Al-Griw, M.A.**, Shmela, M.E., Elhensheri, M., Bennour, E.M. (2020). Histone Deacetylase Inhibitor MI192 Mitigates Oligodendrocyte Lineage Cell Loss and Reduces Microglial Activation after Brain Injury: A Potential Role of Epigenetics. Basic and Clinical Neuroscience. xx (xxx) xx-xx (In press).
2. **M.A. Al-Griw**, R.O. Alghazeer, N.M. Salama, B.A. Lwaleed, A.A. Eskandrani, W.S. Alansari, A.M. Alnajeebi, N.A. Babteen, A. Hakim Elnfati. (2020). Paternal bisphenol A exposure induces testis and sperm pathologies in mice offspring: Possibly due to oxidative stress?, Saudi Journal of Biological Sciences. 28 (2021) 948-955. <https://doi.org/10.1016/j.sjbs.2020.11.003>
3. **M.A. Al-Griw.**, R.O. Alghazeer., N. Awayn., G. Shamlan., A.A. Eskandrani., A.M. Alnajeebi., N.A. Babteen., W.S. Alansari. (2020). Selective Adenosine A_{2A} receptor inhibitor SCH58261 reduces oligodendrocyte loss upon brain injury in young rats, Saudi Journal of Biological Sciences. 28 (2021) 310-316. <https://doi.org/10.1016/j.sjbs.2020.09.063>
4. Rabia Alghazeer, Sana Elgahmasi, Badriyah Aljazzaf, Wafa S. Alansari, **Mohamed Al-Griw**, Maamar Sidati, Dana Altarrah, Mohamed Elhensheri, Abdul Hakim Elnfati⁵. (2020). Investigation of the potential anti-fertility activity of *arbutus payarii* in male mice. Acta Poloniae Pharmaceutica. 77(5): 725-735. <https://doi:10.32383/appdr/127965>
5. Nasef, A, **Al-Griw M.A.**, Taguri, A.E. (2020). Improving Quality of Education in Extreme Adversities - The case of Libya. J Biol Med 4(1): 006-011. DOI: <https://dx.doi.org/10.17352/jbm.000020>
6. Al-mijrab, A.S.A., Elgharib, M.E., **Al-Griw, M.A.** (2019). Critical success factors of ISO/IEC 17025 implementation within Arabic Countries: A Case Study of Libyan Research Centres and Laboratories (LRCL). 23rd International Conference on ISO & TQM 23-ICIT. BNU/HKBU-UIC, Zhuhai, CHINA.
7. المجرب، أ.ص،، الغريب، م.أ،، القريو، م.ع. (2018م). دور إدارة الجودة الشاملة في تحسين أداء مؤسسات التعليم العالي الليبي (مراجعة نظرية للدارسات السابقة للمؤسسات التعليمية). المؤتمر العلمي الرابع لجامعة النجم الساطع بعنوان (الإدارة الهندسية ودورها في تحسين الأداء المؤسسي). <http://fcem.bsu.edu.ly/>
8. Rabia Alghazeer, Sana Elgahmasi, Abdul Hakim Elnfati, Mohamed Elhensheri, **Mohamed A. Al-Griw**, Nuri Awayn and Mariuma El- Nami. (2018). Antioxidant Activity and Hepatoprotective Potential of Flavonoids from *Arbutus pavarii* against CCl₄ Induced Hepatic Damage. Biotechnology Journal International. 21(1):1-12.ea. DOI: <10.9734/BJI/2018/39528>
9. **Al-Griw, M.A.**, Treesh, S.A., Al-Ghazeer, R.O., Regeai, S.O. (2017). Environmentally toxicant exposures induced intragenerational transmission of liver abnormalities in mice. Open Veterinary Journal. 7(3): 244-253. <http://dx.doi.org/10.4314/ovj.v7i3.8>
10. Al-Griw, H.H., Zraba, Z.A., Al-Muntaser, S.K., Draid, M.M., Zaidi, A.M., Tabagh, R.M., **Al-Griw, M.A.** (2017). Effects of storage temperature on the quantity and integrity of genomic DNA extracted from mice tissues: A comparison of recovery methods. Open Veterinary Journal. 7(3): 239-243. <http://dx.doi.org/10.4314/ovj.v7i3.7>
11. Fares, N.A., El-Ansari, O.A., **Al-Griw, M.A.** (2017). CYP1A1 Genetic Variations and Lung Cancer Risk in a Population of Libyan Males. The Libyan Journal of Science. 20(B): 1-15.
12. **Al-Griw, M.A.**, Wood, I.C., Salter, M.G. (2017). Cerebellar Organotypic Slice Culture System: A Model of Developing Brain Ischaemia. Life Science Journal. 14 (4): 89-98. <http://www.lifesciencesite.com>
13. Elarifi, A.E., El-Ansari, O.A., **Al-Griw, M.A.** (2016). Prevalence of Mutations in *TAL1* Gene in Individuals with T-ALL and T-NHL. The Libyan Journal of Science. 19B: 1-13
14. **Al-Griw, M.A.**, Al-Ghazeer, R.O., Al-Azreg, S.A., Bennour, E.M. (2016). Cellular and Molecular Etiology of Hepatocyte Injury in a Murine Model of Environmentally Induced Liver Abnormality. Open Veterinary Journal. 6(3): 150-157. DOI: <http://dx.doi.org/10.4314/ovj.v6i3.1>
15. Aboaleid, A., Othman El-Ansari, O.A., **Al-Griw, M.A.** (2016). Genetic Diversity of 15 Autosomal Short Tandem Repeat (STR) Loci in a Population of Libya. Journal of Basic and Applied Sciences. 3(2): 24-31.
16. Aboaleid, A., Othman El-Ansari, O.A., **Al-Griw, M.A.** (2016). Anomalous Gender Assignment by the Amelogenin Sex Gene Test. Journal of Basic and Applied Sciences. 1(2): 12-15.
17. **Al-Griw, M.A.** and Wood, I.C. (2016). Histone Deacetylase (HDAC) Inhibition Induces Growth Arrest and Apoptosis in Human Medulloblastoma Cells. Libyan J Vet Med Sci. 1(1): 8-14.

18. Maamar, M.S., **AL-Griw, M.A.**, Al-Ghazeer, R.O., Al-Azreg, S.A., Salama, N.M., Bennour, E.M. (2016). Oxidative Stress Mediated Cytotoxicity of Trichloroethane in a Model of Murine Splenic Injury. *American Journal of BioScience*. 4(1) 1-8. doi: 10.11648/j.ajbio.20160401.11
19. **Al-Griw, M.A.**, Elnfati, A.H., Salama, N.M., Maamar, M.S., Treesh, S.A., Shaibi, T. (2015). Mode of Cell Death in Mouse Brain Following Early Exposure to Low-Dose Trichloroethane: Apoptosis or Necrosis. *American Journal of Biology and Life Sciences*. 3 (6) 232-240. <http://www.openscienceonline.com/journal/ajbls>
20. Elnfati, A.H. and **Al-Griw, M.A.** (2015). Possible Developmental Epigenetic Interaction Between Motifs and Histones of Human Sperm. Part I: Identification of Motifs Sequence Within Histones Enriched Chromatin. **Journal of Basic and Applied Sciences**. 21(1): 1-10.
21. **Al-Griw, M.A.**, Seham A. Al-Azreg, Bennour, E.M., El-Mahgiubi, A.A., Al-Attar, A.R. Salama, N.M., Elnfati, A.H. (2015). Fertility and Reproductive Outcome in Mice Following Trichloroethane (TCE) Exposure. *American Journal of Life Science Researches*. 3 (3) 128-138. www.worldofresearches.com
22. **Al-Griw, M.A.**, Maamar, M.S., Salama, N.M. Algadi, L.N., Elnfati, A.H., Bennour, E.M. (2015). Maternal Exposure of Mouse to Low-Dose Trichloroethane is Associated with Increased Birth Weight and Early Neonatal Neurobehavioral Abnormalities. *American Journal of Biology and Life Sciences*. 3(6):206-210. <http://www.openscienceonline.com/journal/ajbls>
23. **Al-Griw, M.A.**, Salama, N.M., Treesh, S.A., Elnfati, A.H. (2015). Transgenerational Genetic Effect of Trichloroethane (TCE) on Phenotypic Variation of Acrosomal Proteolytic Enzyme and Male Infertility Risk. *International Journal of Genetics and Genomics*. 3 (5) 43-49. <http://www.sciencepublishinggroup.com/j/ijgg>
24. **Al-Griw, M.A.**, Salama, N.M., Treesh, S.A., Algadi, L.N., and Elnfati, A.H. (2015). Cell Death in Mouse Brain following Early Exposure to Trichloroethane (TCE). *International Journal of Advanced Research*. 3, 1424-1430. <http://www.journalijar.com>
25. **Al-Griw, M.A.**, Elnfati, A.H., Ali, M.M. (2014). Gene Delivery using Adenoviral Vector into the Organotypic Culture System of the Chick Retinae. *Journal of Basic and Applied Sciences*. 20 (1) 1-14
26. **Al-Griw, M.A.**, Elnfati, A.H., Embaia, W.M. (2014). Analysis of Libyan Family Pedigrees in Tripoli to Predict Obesity and Cardiometabolic Disorders in Adults. *Journal of Basic and Applied Sciences*. 20(1): 25-35.
27. **Al-Griw, M.A.** and G. Salter, M.G. (2014). Apoptotic Mechanisms Increased by GluT Inhibitor DL-TBOA following Brain Cellular Damage. *Journal of Basic and Applied Sciences*. 20 (1) 11-20
28. **AL-Griw, M. A.**, Wood, I. C, Salter, M. (2012). Molecular and Cellular Analysis of White Matter Ischaemic Injury. School of Molecular and Cellular Biology - Faculty of Biological Sciences - The University of Leeds. **PhD Thesis**.
29. **AL-Griw, M. A.** and EL-Ansari, O, A. (2008). Frequency of Mutations of Insulin Receptor (INSR) Gene among Some Libyan Subjects Suffering From NIDDM. *The Libyan Journal of Science*. (16A) 37-40.
30. **Al-Griw, M. A.** and EL-Ansari, O, A. (2007). Prevalence of Abnormal INSR Exon-13 in the some Libyan Patients with Type-II- Diabetes Mellitus in Tripoli. *Journal of Basic and Applied Sciences; National Academy of Scientific Research*. (17) 21-29
31. **AL-Griw, M. A.** and EL-Ansari, O, A. (2006). Detection of Mutations in Exon- 13 of the Human Insulin Receptor Gene among Some Libyan Patients with Type-II-Diabetes Mellitus. Faculty of Science, UoT, Tripoli, Libya. **MSc. Dissertation**.

I. Invited symposia and plenary lectures

Oct 18, 2020	<u>Lecture title</u> : Principles of management and strategic planning, UoT, Tripoli, <u>Libya</u> .
June 15, 2020	<u>Lecture title</u> : Internal Auditing and Self Study Report, Faculty of Medicine - UoT, Tripoli, <u>Libya</u> .
July 6, 2019	<u>Lecture title</u> : Stages of academic accreditation in university education, Faculty of Medicine, UoT, Tripoli, <u>Libya</u> .
Jan 28, 2019	<u>Lecture title</u> : Role of students in applying the quality systems of education, Open Days, Faculty of Medicine, UoT, Tripoli, <u>Libya</u> .
Jan 2, 2019	<u>Lecture title</u> : Self-study: Concepts and Mechanisms of Application, UoT, Tripoli, <u>Libya</u> .
Dec 12, 2018	<u>Lecture title</u> : University of Libya Rank: Road to Accreditation and Excellence, 3 th Scientific Forum of the Faculty of Physical Education and Sport Sciences, University of Tripoli, Tripoli, <u>Libya</u> .
Nov 12, 2018	<u>Lecture title</u> : Quality and accreditation in university education: the road to excellence, third medical research conference, Faculty of Medicine, UoT, <u>Libya</u> .
Jun 6, 2018	<u>Lecture title</u> : The Role of student in applying the quality systems of education, UoT, Tripoli, <u>Libya</u> .

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- Jun 3, 2017 Lecture title: University of Tripoli on the Path of Excellence, Presidency University, UoT, Tripoli, Libya.
- May 11, 2017 Lecture title: Scientific research strategies: prospects and challenges, Faculty of Science, UoT, Tripoli, Libya.
- May13-15, 2017 Lecture title: Strategies of Scientific Research at University of Tripoli, 1st International Conference of Libyan universities prospects and challenges strategies of scientific research, Maghreb Center on the Libyan Issues, Tunisia.
- April 2, 2017 Lecture title: International rankings: prospects and challenges, Presidency University, UoT, Tripoli, Libya.
- Nov 14, 2016 Lecture title: The Need for a Scientific Research Code of Ethics, Presidency University, UoT, Tripoli, Libya
- April 30, 2016 Lecture title: Authorship, responsible conduct of science, Libyan Academy for Graduate Studies, Janzour, Libya.
- April 04, 2016 Lecture title: Responsible conduct of science, UoT, Tripoli, Libya.
- April 23, 2016 Lecture title: Authorship & research misconduct, Faculty of Science, UoT, Tripoli, Libya.

J. Conferences, Seminars and Workshops Attended:

- 9 Dec, 2020 Webinar: Quality Assurance in Higher Education & 5th Foundation Anniversary of Turkish Higher Education Quality Council (THEQC).
- 26 Sept, 2020 Workshop: Rubric-Based International Evaluator Training Program held online, Islamic Sciences Accreditation Agency, Turkey
- Nov 2-3, 2019 Training program: International accreditation and evaluator training program, Istanbul, Turkey.
- July 8, 2019 Workshop: Development of standards of programming and institutional accreditation, Faculty of Education/ Janzour - UoT, Tripoli, Libya.
- Dec 3, 2018 Workshop: Unraveling ABET accreditation criteria: hands-on steps for the implementation of continuous improvement processes, Amman – Hashemite Kingdom of Jordan.
- Dec 2, 2018 Conference: Quality, accreditation, and education, 10th Annual Conference of the Arab Organization for Quality Assurance in Education (AROQA), Amman, Hashemite Kingdom of Jordan.
- Nov 5-8, 2018 Workshop: Auditors in quality assurance and accreditation, National Center for Quality Assurance and Accreditation of Educational and Training Institutes (NCQAETIs), Tripoli, Libya.
- Feb 15, 2018 Workshop: Academic Accreditation Standards, UoT, Tripoli, Libya.
- Nov 28, 2017 Workshop: Quality assurance and academic accreditation in university education, UoT, Tripoli, Libya.
- Nov 05-14, 2017 Workshop: Teaching & learning in higher education module, University of Southampton, Southampton, UK
- April 11, 2017 Symposium: Qualification of national institutions for ISO, Taj Arruqey Academy for Training, Development and Consulting, Tripoli, Libya.
- Jun 11-12, 2016 Workshop: Authorship and misconduct, 3rd MENAIII Educational Institute on Responsible Science Reunion, The US National Academy of Sciences, Istanbul, Turkey.
- May 30 – Jun 2, 2016 Workshop: Potentially of university teaching management (PUTM), Research, Consulting and Training Center, UoT, Tripoli, Libya.
- April 4-11, 2016 Workshop: Responsible conduct of science (RCS), UoT, Tripoli, Libya.
- June 1, 2015 Symposium: Vitamin D and its relationship to human health, Faculty of Science, UoT, Tripoli, Libya.
- May 9-14, 2015 Workshop: Responsible science, US National Academy of Sciences, Istanbul, Turkey.
- July 12, 2013 Workshop: Establishment of Libyan cancer genomic research program (CGRP), at Biotechnology Research Centre (BTRC), Tripoli, Libya.
- 21-23 April, 2013 The 6th National Conference of Biotechnology Research Centre (BTRC), Misrata, Libya.
- June 25, 2012 Workshop: Fast Train: Cell Culture Techniques, at XCellR8 Ltd, Core Technology Facility,

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	Manchester, UK.
June 14-15, 2012	<u>Conference</u> : Apoptosis and Cancer, Abcam®, Cambridge, UK.
Nov 25, 2011	One Day <u>Workshop</u> : Leeds Imaging and Flow Cytometry, University of Leeds, Faculty of Biological Science, Leeds, UK.
Oct 06, 2011	<u>Workshop</u> : Fast Train: Cell Culture Techniques, at XCellR8 Ltd, Core Technology Facility, Manchester, UK.
Sept 5, 2011	<u>Workshop</u> : Ion Channel, at University of Leeds, Faculty of Biological Science, Leeds, UK.
2010 & 2011	<u>Symposium</u> , University of Leeds, Leeds, UK.
Sept 20, 2010	<u>Workshop</u> : Flow Cytometry, at University of Leeds, Faculty of Biological Science, Leeds, UK.
April 2007	<u>Conference</u> : The 50 th Anniversary of Faculty of Science, UoT, Tripoli, Libya.
June 4-6, 2006	<u>Conference</u> : The 4 th National Conference of Biotechnology Research Centre (BTRC), Benghazi, Libya.
June 12-23, 2005	<u>Workshop</u> : Real-time PCR Training Course, Biotechnology Research Centre (BTRC), Tripoli, Libya.

K. Referees

– Available upon request.