

Curriculum Vitae (CV)

Prof. Dr. Mohamed A. Al-Griw, Ph.D.

Personal data

- **Position:** Professor of Clinical Molecular Genetics
- **Areas of expertise:** Neurogenetics; Epigenetics; Genetic Disorders; Genetic Testing
- **Phone:** +218 (0) 913186924
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- **Post Office Box:** 13160 – University of Tripoli, Tripoli, Libya
- **Location:** Green bulding, Faculty of Medicine, University of Tripoli
- **Website:** [ORCID](#) | [ResearchGate](#) | [Academia](#) | [Google Scholar](#)



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 Genetics from the University of Tripoli (UoT), and a Doctor of Philosophy (Ph.D., Nov 2012) degree in Molecular Genetics from the University of Leeds, Leeds, United Kingdom.

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

Higher Education

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| 2009-2012 | University of Leeds, Leeds University | PhD in Neurogenetics with a focus on neurodegenerative diseases |
| 2003-2006 | Faculty of Sciences, University of Tripoli. | M.Sc. in Medical Genetics |
| 1997-2001 | Faculty of Sciences, University of Tripoli. | B.Sc. in Biology |

Academic positions

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| 2023 | Proffesor , Clinical Molecular Genetics, Department of Histology and Genetics, Faculty of Medicine, University of Tripoli, Libya. |
| 2019 | Proffesor (associate) , Clinical Molecular Genetics, Department of Histology and Genetics, Faculty of Medicine, University of Tripoli, Libya. |
| 2016 | Proffesor (assistant) , Molecular Genetics, Zoology Department, Faculty of Sciences, University of Tripoli, Libya. |
| 2013 | Lecturer , Molecular Genetics, Faculty of Sciences, UoT, Tripoli, Libya. |
| 2006 | Assistant Lecturer , Molecular Genetics, Faculty of Sciences, University of Tripoli, Libya. |
| 2005 | Demonstrator , Faculty of Sciences, UoT, Tripoli, Libya. |

Administrative positions

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| 2024-present | Director , Quality Assurance Management, The National Center for Quality Assurance and Accreditation of Educational and Training Institutes, Libya. |
| 2024-present | Chairman , Standing Committee for the Equivalency of Academic Qualifications. |
| 2024-2025 | Director , Center for Societal Sustainability, University of Tripoli. |
| 2023-2024 | Director , Center for Sustainable Development, Libyan Open University. |
| 2023-2024 | Head , Quality and Performance Evaluation Department, Faculty of Medicine, University of Tripoli. |
| 2023-present | Head , Histology and Genetics Department, Faculty of Medicine, University of Tripoli. |
| 2021-2022 | Director , Research Affairs and Scientific Consultation Management, National Authority for DNA Fingerprinting Research and Analysis, Libya |
| 2017- 2021 | Director , Quality and Performance Evaluation Office, University of Tripoli. |
| 2021 | General Manager Acting , National Authority for DNA Fingerprinting Research and Analysis, Libya |
| 2019- 2020 | Head , Histology and Genetics Department, Faculty of Medicine, University of Tripoli. |
| 2018- 2019 | Director Board Member , The National Center for Quality Assurance and Accreditation of Educational and Training Institutes (NCQAETIs), Ministry of Libyan Higher Education and Scientific Affairs, Libya. |
| 2016-2017 | Head , Zoology Department, Faculty of Sciences, University of Tripoli. |
| 2014-2016 | Founder & Head , Forensic Biology Division, Faculty of Sciences, University of Tripoli. |

Other experience

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| 2023 | Founder Member , Faculty of Criminal Sciences, Libyan Ministry of Higher Education and Scientific Affairs, Libya. |
| 2022-present | Chairman , committee of the Societal Sustainability, University of Tripoli. |
| 2021- 2022 | Member , Scientific Advisory Committee, National Authority for DNA Fingerprint Research and Analysis, Libya |
| 2017-present | Supreme Committee Member , for the follow up the University of Tripoli Ranking internationally. University of Tripoli. |
| 2019 | National committee member , Ranking of Libyan Universities, Libyan Ministry of Higher Education and Scientific Affairs, Tripoli, Libya. |
| 2020 | Founder Member , Libyan University Ranking Guide, Libyan Ministry of Higher Education and Scientific Affairs, Tripoli, Libya. |
| 2017 | Chairman Committee , Preparation of the strategic plan for UoT (2018-2022). |
| 2016 | Founder Member , "The University of Tripoli Ethics Charter of Scientific Research", University of Tripoli. |
| 2015 | Founder Member , Medical and Biological Analysis Unit, Reference Laboratory, University of Tripoli. |
| 2014 | Founder & President , Forensic Biology Division, Faculty of Sciences, University of Tripoli. |
| 2013 | Chairman committee , Educational and Cultural Activities, Zoology Department, Faculty of Sciences, University of Tripoli, Tripoli, Libya. |

Membership in Professional Organizations

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| 2023-present | Founding Member , Arab Commission for Digital Medical Learning (ACDML). |
| 2020-present | Board Member , International Academic Accreditation Council (IAC), |

June 10, 2025

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| | Islamic Sciences Accreditation Agency (IAK), Turkey. |
| 2022 - Present | Member & Coordinator , World University Association Community Development (WUACD) Programmes in the University of Tripoli, Libya |
| 2012 | Member , The Physiological Society. |
| 2011 | Member , Society for Neuroscience. |
| 2010 | Member , European Association Cancer Research (EACR). |

Grants received

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| 2023 | National Research Coordinator, ABH Partners PLC, United Nations Children's Fund (UNICEF), Libya Country Office Norflyeen, Evaluation of UNICEF Libya's COVID-19 response, The U.S.A. National Academy of Sciences |
| 2015 | A grant to implement Responsible Science in Zoology Department, Faculty of Sciences, University of Tripoli, April 09 - May 24, 2015 |

Projects

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| 2019-2022 | 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, |
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Courses Taught

- Clinical genetics, 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).

Research Interests

Genetics and epigenetic in human disease. We are interested in identifying, analysing, and interpreting the molecular, genetic, epigenetic abnormalities that are crucial in human diseases using a variety of molecular biological techniques (such as fragment analysis, DNA sequencing and mutation detection), *in vivo* models, and clinical samples to provide a complete understanding of disease mechanisms.

Current specific research

- Genetics and epigenetics in human disease mechanisms
 - Cancer genetics
 - Actions of environmental insults on the disease inheritance
 - Effects of vitamin D against environmental toxicants induced abnormalities
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Skills & practical experience

During my research career I gained substantial experience in a wide range of genomic and molecular techniques including:

- **Cell and tissue cultures**
 - Handling and maintenance of cell and organotypic slice cultures.
 - Gene transfer into organotypic slice culture.

June 10, 2025

- Treatment of cultures with various biological substances (e.g. inhibitors).
- **Animal handling**
 - Albino Wistar rats & Swiss Albino mice.
- **Biochemistry & Western blotting.**
 - Cell survival, proliferation (BrdU immunostaining), and death assays (annexin and TUNEL).
 - Various enzymatic and non-enzymatic oxidative stress markers.
 - Gene cloning, AVV transformation.
 - Gene expression techniques: Quantitative (Q)-RT-PCR.
 - Genotyping/ polymorphisms of genes: PCR-RFLP.
 - DNA STR Profiling, Genetic analyzer 3500.
- **Immunotechnology & histology techniques**
 - Histopathology & Immunocytochemistry.
 - Light & confocal Microscopy.
- **Bioinformatics**
 - Primer design use of web based tools: BLAST, CLUSTAL-X, MULTALIN, HEX6.0,
 - Bioimaging Analysis (ImageJ).
 - GeneMapper.
- **IT and other Skills**
 - Excel, Microsoft word, PowerPoint.
 - Statistical Packages (SPSS, Origin Pro, Prism).
 - Proficient in teaching, good in experimental design and writing papers.
 - Excellent communication skills and team work.
 - Languages: Arabic (mother tongue), English.

M.Sc. Supervision

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| 2025 | Belkis Salah El-Megerhi , “ <i>M.Sc. title</i> : Association of MTHFD1 gene variant with the incidence of orofacial clefts in Libyan patient”, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2025 | Mona Nasser eddin Alshibani , “ <i>M.Sc. title</i> : Genetic association of Ki-67 gene variants with incidence of Triple-Negative Breast Cancer (TNBC) in Libyan females”, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2025 | Reem Mohamed Alkikli , “ <i>M.Sc. title</i> : Association of angiotensin-converting enzyme insertion/deletion (ACE I/D) gene variants with ischemic heart disease in Libyan Patients”, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2025 | Ali Mohamed Melad , “ <i>M.Sc. title</i> : Significance of BRAF gene variants in metastatic colorectal cancer patients”, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2025 | Fatimah Altahir Khanshoush , “ <i>M.Sc. title</i> : Reliability of STR typing used for forensic purposes in asthmatic pregnant patients”, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2025 | Khawla Samir Naas , “ <i>M.Sc. title</i> : Association of Forensic Microsatellite Markers and Microvariant Alleles with Leukemic Patients: Implications for Forensic Identification”, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2025 | Nuha Almahdani , “ <i>M.Sc. title</i> : Association of genetic variants in adiponectin and resistin genes in Libyan type II diabetes mellitus patients”, Faculty of Sciences, University of Tripoli, Tripoli, Libya. |
| 2025 | Asma Alshreef , “ <i>M.Sc. title</i> : Molecular mechanism of progression of chronic kidney disease in Libyan patients”, Faculty of Sciences, University of Tripoli, |

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| 2025 | Najah AL-Jafri , “ <i>M.Sc. title</i> : Profiling of Short Tandem Repeats (microsatellites) in a sample of Libyan Huntington’s disease-affected families”, Department of Histology and Genetics, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2023 | Taha Mohamed Abdelmonem Gabroun , “ <i>M.Sc. title</i> : Relationship Between Forensic Short Tandem Repeats and Amyotrophic Lateral Sclerosis: a Libyan context”, Department of Histology and Genetics, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2023 | Fatimah Miftah Mohammed Ghibbeen , “ <i>M.Sc. title</i> : Association between schizophrenia and genetic variants in STR loci: a case-control study Libyan population”, Department of Histology and Genetics, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2023 | Enas Ibrahim Darmun , “ <i>M.Sc. title</i> : Potential genetic markers of Multiple Sclerosis in multi-incident Libyan-affected Families”, Department of Histology and Genetics, Faculty of Medicine, University of Tripoli, Tripoli, Libya. |
| 2022 | Sohaila Zaid , “ <i>M.Sc. title</i> : Efficacy of vitamin D supplementation on liver damage in adult mice induced by early-life exposure to environmental pollutant bisphenol A”, Faculty of Sciences, University of Tripoli. |
| 2022 | Zohour Marwan , “ <i>M.Sc. title</i> : A therapeutic role for vitamin D against heart, kidney, and lung pathologies in adult mice induced by early-life exposure to bisphenol A” Zoology Department, Faculty of Sciences, University of Tripoli. |
| 2022 | Hanan Balog , “ <i>M.Sc. title</i> : Protective effect of vitamin D against spleen pathologies in mice induced by exposure to bisphenol A, University of Tripoli. |
| 2021 | Suliman Shalabi , “ <i>M.Sc. title</i> : the effects of black seed (<i>Nigella sativa</i>) oil extract on sperm parameters and testicular architecture of mice”, Zoology Department, Faculty of Sciences, University of Tripoli. |
| 2021 | Zaynab Alshibani . “ <i>M.Sc. title</i> : Histone deacetylase inhibitors "valproic acid" as a potential therapeutic for bisphenol A induced liver abnormalities”, Zoology Department, Faculty of Sciences, University of Tripoli. |
| 2019 | Najah A. Fares , “ <i>M.Sc. title</i> : CYP1A1 genetic variations and lung cancer risk in a population of Libyan males”, Faculty of Sciences, University of Tripoli. |
| 2018 | Amal E. Elarifi , “ <i>M.Sc. title</i> : Molecular analysis of TAL1 gene mutations in individuals with T-ALL and T-NHL”. Faculty of Sciences, University of Tripoli. |
| 2016 | Ashrf Aboaleid , “ <i>M.Sc. title</i> : Using of short tandem repeats (STR) in an identification of human remains in some mass graves in some Libyan cities”. Faculty of Sciences, University of Tripoli, Tripoli. |

Research publications: (43 Total)

1. Tabagh, R., Abuallag, A., Marwan, M., **Al-Griw, M.A.** [Genetic Analysis of Autosomal Short Tandem Repeats Loci in The Libyan Western Mountain Population](#). (2024). *AIQalam Journal of Medical and Applied Sciences (AJMAS)*. *Alq J Med App Sci*. 2024;7(4):1401-1407.
2. **Al-Griw, M.A.**, Alghazeer, R., Ratemi, H.W., Ben-Othman, M.E., Shamlan, G., Habibullah, M.M., Eskandrani, A.A., Alnajeebi, A.M., Babteen, NA., Alansari, W.S. (2023). Blockade of L-type Ca⁺⁺ channel activity alleviates oligodendrocyte pathology following brain injury in neonatal rats. *Curr. Issues Mol. Biol.* 2023, 45, 3953-3964. <https://doi.org/10.3390/cimb45050252>

3. Aljazzaf, B.; Alghazeer, R.; Swehli, A.I.; Erhuma, M.; Elgmami, E.; Muammer, M.S.; Torban, T.; AL-Farga, A.; Alansari, W.S.; Eskandrani, A.A.; Shamlan, G.; **Al-Griw, M.A.** Association between Vitamin D Status and Health Status of Adults in Western Libya. *Processes* 2023, *11*, 930. <https://doi.org/10.3390/pr11030930>
4. Al-Griw, M.A., Balog, H.N., Shaibi, T., Elmoaket, M.F., AbuGamja, I.S.A., AlBadawi, A.B., Shamlan, G., Alfarga, A., Eskandrani, A.A., Alnajeebi, A.M., Babteen, N.A., Alansari, W.S., Rabia Alghazeer, R. (2023). Therapeutic potential of vitamin D against bisphenol A-induced spleen injury in Swiss albino mice. *PLoS ONE* 18(3): e0280719. DOI: [10.1371/journal.pone.0280719](https://doi.org/10.1371/journal.pone.0280719)
5. **Al-Griw, M.A.**, Zaed, S.M., Hdud, I.M., Shaibi, T. Vitamin D ameliorates liver pathology in mice caused by exposure to endocrine disruptor bisphenol A. (2023). *Open Veterinary Journal*. 13(1): 90–98. DOI: [10.5455/OVJ.2023.v13.i1.9](https://doi.org/10.5455/OVJ.2023.v13.i1.9)
6. Ellafi, A.M., Shebani, A., Marwan, M., Zaid, A., Almin Mohamed, A., **Al-Griw, M.A.**, Tabagh, R. (2022). Identification of a missense mutation (G261D) in the alpha- galactosidase A gene in a Libyan family with Fabry disease. *The Libyan Journal of Science- University of Tripoli*. 25 (02), 40-46.
7. **Al-Griw, M.A.**, Alshibani, Z.O., Alghazeer, R. et al. Histone deacetylase 2 inhibitor valproic acid attenuates bisphenol A-induced liver pathology in male mice. *Sci Rep* 12, 10258 (2022). <https://doi.org/10.1038/s41598-022-12937-4>
8. **Al-Griw A. Mohamed**, Shalab M. Suliman, Alghazeer O. Rabia*, Elnfat Hakim Abdul, Treesh A. Soad, Benjama E. Ahmeda, Shamlan Ghalia, Habibullah M. Mahmmod, Eskandrani A. Areej, Alnajeebi M. Afnan, Babteen A. Nouf and Alansari S. Wafa, Nigella sativa oil alleviates mouse testis and sperm abnormalities induced by BPA: potentially through redox homeostasis?, *Combinatorial Chemistry & High Throughput Screening* 2022; 25(1) . <https://dx.doi.org/10.2174/1386207325666220514135606>
9. **Al-Griw, M.A.**, Salter, M.G., Wood, I.C. (2021). Blocking of NF-kB/p38MAPK pathways mitigates oligodendrocyte pathology in a model of neonatal white matter injury. *Acta Neurobiol Exp* 2022, 82 (52-64). DOI: [10.55782/ane-2022-005](https://doi.org/10.55782/ane-2022-005) : 52–64
10. Shaibi, T., Balug, H.N., Alghazeer, R.O., Ben-Othman, M.E., Benjama, A.E., Elhensheri, M., Bashir A. Lwaleed, B.A., **Al-Griw, M.A.** (2021). Exposure to low-dose bisphenol A induces spleen damage in a murine model: potentially through oxidative stress?. *Open Veterinary Journal*. 12(1): 23-32. DOI: [10.5455/OVJ.2022.v12.i1.4](https://doi.org/10.5455/OVJ.2022.v12.i1.4)
11. Burwaiss, A., Ammar, M., Alghazer, R., Eljamil, A., Alrabie, D., Alghamasi, S., **Al-Griw, M.**, Alansari, W., Shamlan, G., Eskandrani, A.. (2021). 'Tissue Levels of Oxidative Stress Markers and Antioxidants in Colorectal Cancer Patients'. *Main Group Chemistry*. 21, 491-499. DOI: [10.3233/MGC-210142](https://doi.org/10.3233/MGC-210142)
12. **Al-Griw, M.A.**, Salter, M.G., Wood, I.C. (2021). Inhibition of ionotropic GluR signaling preserves oligodendrocyte lineage and myelination in an ex vivo rat model of white matter ischemic injury. *Acta Neurobiol Exp* 2021, 81(3): 233-248. DOI: [10.21307/ane-2021-022](https://doi.org/10.21307/ane-2021-022)
13. **Al-Griw, M.A.**, Shmela, M.E., Elhensheri, M., Bennour, E.M. (2021). Histone deacetylase inhibitor MI192 mitigates oligodendrocyte lineage cell loss and reduces microglial activation after brain injury: A potential role of epigenetics. *Open Veterinary Journal*. 11(3): 1-11. DOI: [http://dx.doi.org/10.5455/OVJ.2021.v11.i3.x](https://dx.doi.org/10.5455/OVJ.2021.v11.i3.x)
14. **Al-Griw, M.A.**, Marwan, Z.M., Hdud, I.H., Shaibi, T. (2021). Vitamin D mitigates adult-onset diseases in male and female mice induced by early-life exposure to endocrine disruptor BPA. *Open Veterinary Journal*. 11(3): 407-417. DOI: [10.5455/OVJ.2021.v11.i3.12](https://doi.org/10.5455/OVJ.2021.v11.i3.12)
15. **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>
16. **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*. (2021) 28, 310-316. <https://doi.org/10.1016/j.sjbs.2020.09.063>
17. 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. (2021). 77(5): 725-735. <https://doi.org/10.32383/appdr/127965>
18. 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>
19. 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.
20. المجرب، أ.ص.، الغريب، م.أ.، القريو، م.ع. (2018م). دور إدارة الجودة الشاملة في تحسين أداء مؤسسات التعليم العالي الليبي (مراجعة نظرية للدراسات السابقة للمؤسسات التعليمية). المؤتمر العلمي الرابع لجامعة النجم الساطع بعنوان (الإدارة الهندسية ودورها في تحسين الأداء المؤسسي). <http://fcem.bsu.edu.ly/>
21. 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](https://doi.org/10.9734/BJI/2018/39528)
22. **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>
23. 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>
24. 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.
25. **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>
26. 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
27. **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>
28. 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.
29. 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.
30. **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.
31. 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](https://doi.org/10.11648/j.ajbio.20160401.11)
32. **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>
33. 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.
34. **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

35. **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>
36. **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>
37. **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>
38. **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
39. **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.
40. **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
41. **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**.
42. **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.
43. **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.
44. **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**.

Selected talks/presentations (last 5 years)

Invited Talks: Colloquia, Lecture Series, Invited Speaker

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|------|---|
| 2025 | Al-Griw, Mohamed , “Basic Medical Education Accreditation Standards”, The National Center for Quality Assurance and Accreditation of Educational and Training Institutes (NCQAAETIs) |
| 2023 | Al-Griw, Mohamed - “Advancing the Ranking of Higher Education Institutes: the Path to Excellence”, Ministry of Vocational Education, Libya, July |
| 2023 | Al-Griw, Mohamed . “International rankings: prospects and challenges”. Libyan Open University. Libya, February. |
| 2022 | Al-Griw, Mohamed . “Sustainability and National Security”. Libyan Open University. Libya, July. |
| 2022 | Al-Griw, Mohamed . “DNA Fingerprinting and National Security”. Libyan Center for Strategic Studies and National Security, Libya, March |
| 2021 | Al-Griw, Mohamed . “Strategic planning in higher education institutions”. University of Tripoli, Libya, October. |
| 2021 | Al-Griw, Mohamed . “Internal auditing and self study report”. University of Tripoli, Libya, June. |

June 10, 2025

- 2020 **Al-Griw, Mohamed.** “student Roles in quality assurance systems”. University of Tripoli, Libya, January.
- 2020 **Al-Griw, Mohamed.** “Self-study: Concepts and Mechanisms”. University of Tripoli, Libya, January.
- 2020 **Al-Griw, Mohamed.** “International rankings: prospects and challenges”. University of Tripoli, Libya, May.
- 2019 **Al-Griw, Mohamed.** “Scientific Research Code of Ethics” Presidency University, University of Tripoli, May.
- 2019 **Al-Griw, Mohamed.** “Responsible conduct of science: Authorship”, Libyan Academy for Graduate Studies, Libya, April.
- 2019 **Al-Griw, Mohamed.** “Responsible Conduct of Science: Research Misconduct” University of Tripoli, Libya, January.
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Conferences/Workshops

- 2022 Logical Reasoning in Human Genetics Certificate, Columbia Global Centers, Tunis & Institut Pasteur De Tunis, Online, Jan2021-April2022
- 2021 “Quality Assurance in Higher Education & 5th Foundation Anniversary of Turkish Higher Education Quality Council (THEQC)”. Turkey, 9 Dec, 2020.
- 2020 “Rubric-Based International Evaluator Training Program held online”. Islamic Sciences Accreditation Agency, Turkey, 26 Sept, 2020.
- 2019 “International accreditation and evaluator training program”. Istanbul, Turkey, Nov 2-3, 2019.
- 2018 “Unraveling ABET accreditation criteria: hands-on steps for the implementation of continuous improvement processes”. Amman – Hashemite Kingdom of Jordan, Dec 3, 2018.
- 2018 “Quality, accreditation, and education”. 10th Annual Conference of the Arab Organization for Quality Assurance in Education (AROQA), Amman, Hashemite Kingdom of Jordan, Dec 2, 2018.
- 2018 “Auditors in quality assurance and accreditation”. National Center for Quality Assurance and Accreditation of Educational and Training Institutes (NCQAETIs), Tripoli, Libya, Nov 5-8, 2018.
- 2018 “Academic Accreditation Standards”. University of Tripoli, Libya, Feb 15, 2018.
- 2017 “Quality assurance and academic accreditation in university education”. University of Tripoli, Libya, Nov 28, 2017.
- 2017 “Teaching & learning in higher education module”. University of Southampton, Southampton, UK, Nov 05-14, 2017.
- 2016 “Authorship and misconduct”. 3rd MENAIII Educational Institute on Responsible Science Reunion, The US National Academy of Sciences, Istanbul, Turkey, April 11, 2017.
- 2016 “Potentially of university teaching management (PUTM)”. University of Tripoli, Libya, May 30 – Jun 2, 2016.
- 2016 “Responsible conduct of science (RCS), University of Tripoli, Libya, April 4-11, 2016.
- 2015 “Responsible science”, US National Academy of Sciences, Turkey, May 9-14, 2015.
- 2013” “Establishment of Libyan cancer genomic research program (CGRP)”. BTRC, Libya, July 12, 2013.
- 2013 “The 6th National Conference of Biotechnology Research Centre (BTRC)”. Libya, 21-23 April, 2013.

June 10, 2025

- 2012 “Fast Train: Cell Culture Techniques”. Core Technology Facility, UK, June 25, 2012.
 - 2012 “Apoptosis and Cancer”. Abcam®, Cambridge, UK, June 14-15, 2012.
 - 2011 “Leeds Imaging and Flow Cytometry”. University of Leeds, Leeds, UK, Nov 25, 2011
 - 2011 “Fast Train: Cell Culture Techniques”. XCellIR8 Ltd, Core Technology Facility, Manchester, UK, Oct 06, 2011.
 - 2010 “Flow Cytometry”. University of Leeds, Leeds, UK, Sept 20, 2010.
 - 2007 The 50th Anniversary of Faculty of Science, UoT, Tripoli, Libya, April 2007.
 - 2006 “The 4th National Conference of Biotechnology Research Centre (BTRC)”. Benghazi, Libya, June 4-6, 2006.
 - 2005 “Real-time PCR Training Course”. BTRC, Tripoli, Libya, June 12-23, 2005.
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Referees

— Available upon request.