

# Mohammed Mazen HARIRI

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## Education

- ❖ Master Sciences, Technologies, Santé, Mention Risques Industriels et Environnementaux, Université de Poitiers, France
- ❖ Master's Equivalency in Environmental Sciences, Supreme Council of Universities in Egypt.
- ❖ Master of Safety and Environment of Industrial Systems, Damascus University, Syria
- ❖ Postgraduate Diploma of Radiation Protection, Safety and Security of Radioactive Sources, Damascus University, Syria
- ❖ Bachelor of Applied Chemistry , Damascus University, Syria
- ❖ Internet Webmaster, Ministry of Higher Education, Syria

## Additional Courses

11-16 June 2023	Renew Gas focusing on CH <sub>4</sub> , H <sub>2</sub> , INSA and Bio-Economy School, Albi , France
11-20 July 2022	Life Cycle Assessment: from theory to practical application, INSA and Bio-Economy Graduate School, France
3-8 July 2022	14 <sup>th</sup> IUPAC UNESCO Green Chemistry Summer School, University Of Venice, ITALY
20-24 June 2022	Catalysis: from understanding to application, Summer Research School, Albi, University of Paul Sabatier, France
3-30 June 2022	Sustainable Finance and Impact Investing, Online workshop, DAAD, Germany
16 May-12 June 2022	Environmental Education & Community Engagement, Online professional development course, Cornell University, USA
14 March-10 April 2022	Plastics: Impacts and Action, Online professional development course, Cornell University, USA
24 Nov-15 Dec 2021	" Nature-Based Solutions for Climate Change in Urban Territories" online workshop , 2811, Blue Verda , Weltweit, DAAD , Bundesministerium für Wirtschaft und Energie, Germany
20 Oct 2021	100 Years of Innovations, Let's Accelerate the Future, Paris , France
12-18 Oct 2021	Certified teacher in Science, BACT , Dubai UAE
7-11 Oct 2021	Certified teachers in Arabic language to non-native speakers, BACT, Dubai
8-13 Sept 2019	Thematic School of Research "Sustainable Processes" Green Processes, National Center for Scientific Research, CNRS, France
7 Sept 2019	9 <sup>th</sup> Colloquium " From the Research to the education " The Supreme School of Industrial Physics and Chemistry, Paris, France
April 2019	Circular Economy in 2040: Reflection Workshop , Which are the impacts on Occupational Health? Which Prevention? National Institute for Safety Researches, Paris France
14 Feb-28 Aug 2017	Certified Teacher Course, BACT, Dubai, UAE ( Partially: Distance learning)
19-21 May 2017	Water Resource Management with FREEWAT platform integrated in QGIS, Technische Universität Dresden, Germany. (in cooperation with Institute of Life Sciences in Italy, EU Horizon 2020 project)
2017	Executive Planning, Ministry of Administrative Development, Damascus
Sept, Oct 2016	Analytical Techniques Course, International Max Planck Research School for Biogeochemistry, Germany.
May 2014	ICDL TOT / International Computer Driving License Training Of Trainer/ , Institut Européen de Coopération et de Développement IECD , UNICEF and Syrian Arab Red Crescent.
May 2011	Workshop for postgraduate students in cooperation with British Embassy, the second technical workshop to mitigate Climate Change through promoting Clean Development Mechanism & Carbon Strategy Management, Damascus, Omayyad Hotel
Jan 2010	ISO 9001:2008 Quality Management System Auditor/ Lead Auditor Course, SGS (Société Générale de Surveillance), IRCA (International Register of Certificated Auditors) Certified Course No: A 17038.

Jun 2010	Advanced Environmental Management System EMS Auditor Course, SGS, Approved by IEMA (Institute of Environmental Management and Assessment), IRCA Certified Course No: A 17262.
June- August	Practical training in thin film engineering at the Federal Institute of Materials Research and Testing (Bundesanstalt für Materialforschung und -prüfung) Section VIII.201, Reference Materials and Coating Technologies, Scientific Mentor: Dr. rer. nat. Michael Griepentrog, BAM, Berlin, Germany

## Professional Career:

Since 2017	Director and Developer for many educational and training programs in quality, safety, occupational health, environment and sustainability Dubai, UAE
Since 2009	Head of many committees in many scientific and technical bodies in the fields of quality, safety, environment and sustainability
Since 2015	Expert at Arab Institute for Occupational Safety and Health AIOSH, Arab Labor Organization
Since 2009	Lecturer, Environmental Impact Assessment, Practical Environmental Chemistry, General Chemistry 1+2, Graduation Projects Supervision, Department of Chemistry, Department of Environment, Faculty of Science, Damascus University.
Since 2009	Trainer of ISO 9001:2015 Quality Management System QMS, ISO 14001:2015 Environmental Management System, ISO 17025, ISO 45001:2018 Occupational Health and Safety System, ISO 22001, Quality Control Tools, GXPs, and many other administrative and managerial courses depending on international curriculum at SCS, Syrian Scientific Society for Quality SSSQ, STC, Syria

## Computer Skills:

- Using Surfer mapping Program for creating and editing contour maps, 2013
- Elementary use of Arena Simulation Software
- Training of Trainers in Educational Technologies - Design, development and use of an online course, Agency of Francophone Universities AUF and Damascus University, 2010 (Formation de Formateurs aux Technologies éducatives- Conception, développement et utilisation d'un cours en ligne, Agence Universitaire de la Francophonie et Université de Damas, 2010)
- Training of Trainers in Information Technologies, Standardized Design of Interoperable Educational Objects, AUF and Damascus University, 2009 (Formation de Formateurs aux Technologies de l'information, Conception standardisée d'objets pédagogiques interoperables, AUF et Université de Damas, 2009)
- Training of Trainer of International Computer Driving License ICDL, Institut Européen de Coopération et de Développement IECD, UNICEF and Syrian Arab Red Crescent
- Course at AUF, "Formation Linux", 2009

## Language Skills:

- Arabic is mother language
- English: Advanced
- French: Supérieur 1
- German: Five Courses in Goethe Institute (*Last one in 2015*)

## **Outreach & Community Involvement:**

Nov 2021	Quality Excellence Medal, Arab Conference for Quality (Based in Egypt and active in Arab World MENA).
Nov 2021	Certificate of Appreciation for the lecture " Quality for Promising Products and Services via new Standards and Directives", Syrian Scientific Society for Quality 25 <sup>th</sup> National Quality Day.
Since 2021	Member of Chimistes sans frontières
2020	Elected Member of French Group of Chemistry of Foods and Taste
Since 2019	Member of French Chemical Society
Dec 2019	Certificate of Appreciation for the lecture" Periodic Table of Chemical Elements and Sustainability" ASPU & IYPT2019, Damascus
2019-2021	Elected as a Member of Board of Directors of Syrian Scientific Society for Quality, Training and Qualifying Director at SSSQ
Nov 2019	Certificate of Appreciation for the paper: " Standards for Designing Investment Environment for Sustainable Development", SSSQ Damascus, 23 <sup>th</sup> National Quality Day
Oct 2019	Certificate of Appreciation for the lecture: " Chemical Techniques for Designing Sustainable Processes- Green Chemistry Tools", SCS, Arab Chemistry Week.
Oct 2019	Certificate of Appreciation , "Chemistry, Health and Beauty" Al-Sham Private University ASPU.
Oct 2019	Green Economy Summit, Dubai , UAE
April 2019	Certificate of Appreciation for the Scientific enrichment in the subject of Occupational Health and Safety of Future Careers, General Establishment for Social Assurance in Syria
April 2019	Certificate of Appreciation 1 <sup>st</sup> Cement Industry Technology Conference, Ministry of Industry in Syria
Oct 2018	Green Economy Summit, Dubai , UAE
Oct 2018	23 <sup>ème</sup> édition des Journées Information Eaux (JIE ) , Université de Poitiers, France
July 2018	9 <sup>th</sup> Water Research Horizon Conference, Water Science Alliance, Dresden , Germany
June 2018	Journées Internationales du Risque, Université de Poitiers- IRIAF, Niort, France
Nov 2018	Certificate of Appreciation for the lecture" Cities for future generations & communities through international standards, Life Quality Indicators" in the 22 National Symposium for Quality , Syrian Scientific Society for Quality & Ministry of Public Works and Housing in Syria
April 2016	Certificate of Appreciation for the valued contribution in the Second Scientific Conference for Post-graduate Students, April 2016, Tishreen University, Latakia, Syria.
March 2016	Certificate of Appreciation for the valued lectures in Environmental Risks Assessment Forum , Ministry of State for Environmental Affairs in Syria
2015-2017	Elected as Member of Board of Directors at Syrian Chemical Society.
May 2012	Certificate of Appreciation for preparation and organization the Celebration of "Chemistry supports Environment" and preparation of its booklets, Syrian Chemical Society.
2012-2017	Elected as Head of Environment Committee at Syrian Chemical Society

## Conference Contributions, Publications & Graduation Projects Supervision:

- Assessing improving attitudes and practices to reducing carbon emissions by educational and training tools of basic sciences, Mohammed Mazen Haeiei, Mohamad Fteiha International Science Summit & Symposium Fundamental Life Science Meets Climate, Environment and Sustainability 27-29 June 2023 Paris, France
- Assessing circular processes using new tool of NCCPCT for polymers, Mohammed Mazen HARIRI<sup>1\*</sup>, Sinan Al-Jalali<sup>2</sup> and Moustafa Sayem El-Daher, **14<sup>th</sup> IUPAC, UNESCO Green Chemistry Summer School**, July 2022 Venice, Italy ( Accepted in May 2022)
- A new risk assessment tool for production processes of circular economy, Mohammed Mazen Hariri, Ahmad Daoud, JIR 2022 , Niort, France ( Accepted in May 2022)
- Detection of atmospheric carbon dioxide gas using cantilever enhanced Photoacoustic cell and tunable diode laser, , Sinan Al-Jalali<sup>1</sup>, Mohammed Mazen Hariri and Moustafa Sayem El-Daher, Damascus University 2021
- Using Tunable Diode Laser (TDL) for direct laser absorption spectroscopy to detect weak absorption lines of atmospheric CO<sub>2</sub> gas , Sinan Al-Jalali<sup>1</sup>, Mohammed Mazen Hariri and Moustafa Sayem El-Daher, Damascus University 2021
- Preliminary Assessment for Main Processes of Circular Economy by multi-criteria methods, Hariri, Dresden Nexus Conference, Germany 2020 (Accepted in January 2020)
- Chemical Admixtures in Concrete, Future Building Materials , 1<sup>st</sup> Cement Industry Technology Conference, Ministry of Industry, 2019
- Comparison between different types shopping bags using TRACI , Second Scientific Conference for Post-graduate Students, April 2016, Tishreen University, Latakia.
- “Using Life Cycle Analysis in the Sustainable Management for Reconstruction Phase” research paper, in the Environmental Scientific Week , March 2016, Damascus University & Ministry of State for Environmental Affairs & UNESCO
- Collection and Radio-analysis of Soil Samples Using Gamma Spectrometry and Drawing Radiological Map, Hariri, Shwiekani , Doubal, AECS, Damascus University, 2013
- Carbon Emissions Management in Air Transport- Case Study, Hariri, Hamad , Zanboaa, Damascus University, 2011
- Developing the properties of Gypsum preparations for medical uses, Hariri, Ghotok , Jobbeh, Damascus University, 2000
- Evaluation for CO<sub>2</sub> Emission of Electricity Generators at Damascus University in Al baramkeh , Hariri, Daoud, Damascus University, 2014 (GP)
- Environmental Impacts Assessment of some of Chemistry Department / Faculty of Science/ Damascus University, Hariri, Daoud, Damascus University, 2014. (GP)
- GLP at Chemistry Department / Faculty of Science/ Damascus University.
- Noise evaluation at the printing house at Damascus University, Hariri, Daoud, Damascus University, 2015. (GP)
- Environmental Quality Standards in Some of Damascus University facilities, Hariri, Daoud, Damascus University, 2015(GP)
- Preliminary Analysis Of Environmental Risks In Setting Up An Industry Facility During The Reconstruction Phase, Hariri, Daoud, Damascus University, 2017 (GP)
- Toward Agenda 2028 for Paperless Faculty of Science at Damascus University, Hariri, Daoud, Damascus University, 2018 (GP)