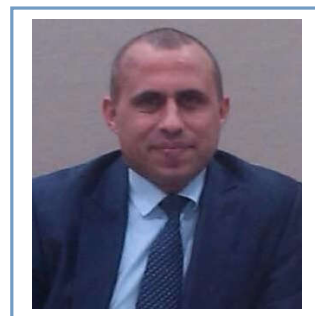


CURRICULUM VITAE

1. **Family name:** Al Madhoun
2. **First names:** Dr. Wesam Ahmed
3. **Date of birth:** 15/2/1979



4. **Address:** -Disaster Preparedness & Prevention Centre, Malaysia-Japan International Institute of Technology (MJIT),Universiti Teknologi Malaysia (UTM), Jalan Sultan Yahya Petra, 54100 Kuala Lumpur, MALAYSIA.

5. **Email:** wesam@gsdevelopment.org

wsah79@gmail.com

6. Education:

Institution	Degrees and Diplomas obtained
Massachusetts Institute of Technology, USA (2016)	Fellowship (Sustainable Cities Program)
Malaysian-Japan International Institute of Technology, Malaysia (2015)	Post Doctorate on Air Quality Assessment and Management
Universiti Sains Malaysia, 2011	PhD in Environmental Engineering Research Title: " Monitoring and Modelling of Non Methane Hydrocarbons (NMHC) in Various Areas in Pulau Penang, Malaysia "
Universiti Sains Malaysia, 2004	M.Sc. in Environmental Engineering Research Title: " Environmental Impact Assessment of Development Projects in Pulau Penang, Malaysia "
IUG Palestine, 2003	B.Sc in Civil Engineering

Training:

- **Aug/2019: Conducted** Training on “**Air Quality Monitoring and Modelling**” for 20 MSc students from University Hasanudin, Indonesia, at **Malaysia Japan International Institute of Technology**, Kuala Lumpur, Malaysia.
- **Oct/2019: Completed** “**The Sustainable Development Goals- A global, Trans-disciplinary Vision of the Future**”, Conducted by **University of Copenhagen, Denmark** “MOOC”.
- **Jan/2019: Completed** “**Big Data and Environment**”, Conducted by **University of Reading and Institute for Environmental Analytics, UK** “MOOC”.
- **July/2017**, Passed a course on **Occupational Safety and Health** at University of Windsor-Canada.
- **Feb-May/2016**, participated in several workshops on **Smart Cities, Sustainable Cities and Climate Change** at MIT, Boston University, Tufts University and University of Massachusetts.
- **2/4/2016-17/4/2016** Attended (**Project Management Workshop**) at Urban Planning Department, Massachusetts Institute of Technology, USA;
- **10/02/2016-10/05/2016**, “**Negotiation and Dispute Resolution in the Public Sector**” at **Urban Planning Department, Massachusetts Institute of Technology, USA**.

- 19/4/2015, attended 1 day training on **Building and Leading Project Team**, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia.
- 15/05/07 - 5/06/07 Attended: 20 Hours course of "**Strategic Planning and Proposal Writing**" in the The Association of Engineers – Gaza;
- 11/02/07 - 17/02/07 Attended: 15 Hours course of "**Leadership and Supervisory Skills**" in the The Association of Engineers – Gaza;
- 17/09/06 - 20/09/06 Attended: 20 Hours course of "**Community Mobilization**" with Hanan Project – Gaza;
- 1/12/05 - 13/12/05 Attended: 12 Hours course of "**Time Management Strategies**" in the The Association of Engineers – Gaza;
- 17/03/05 - 04/04/05 Attended and Completed: 15 Hours course of "**Fundamental of Financial Management in the Contracting Sector**" in the The Association of Engineers – Gaza;
- **20/5/2004** Attended a workshop on **Occupational Safety and Health** in Universiti Sains Malaysia-USM.
- 5/03/99 - 5/06/99 Attended and Completed 72 hour training course in Microsoft word/excel In Al Ahly Computer Center;
- 02/98 - 12/98 Attended and completed: **120 hour French language** course (level 1, level 2, level 3) in The French Cultural Center;

7. Language skills: (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Arabic	1	1	1
Malay	2	2	2
Hebrew	2	2	2
French	5	5	5

8. Membership of professional bodies: External Reviewer for the Asia-Pacific Network for Global Change Research, **External Reviewer-UN Environment:** External Review of "Atmospheric Pollution in the Asia Pacific: Science-based Solutions " Report, **Member at the Board of Director at "Unforgotten": International NGO-US Based, Advisor for GEn Tec Sdn Bhd Brunei, Research Affiliate at MIT - UTM Malaysia Sustainable Cities Program, MIT, USA, A member of Board of Engineers Malaysia. Technical Reviewer** for The 10th Asia Pacific Conference on Sustainable Energy & Environmental Technologies, organized by University of Seoul, South Korea. (2015); **Advisor** for the Arab Youth Movement for Climate Change-Palestine Chapter. (2012 to Present); **International Ambassador for Universiti Teknologi Malaysia.**(2015); **International Program on Climate Change Leadership**, New Delhi, India. (2015); **Member** of the organizing committee of 1st ICRIL-International Conference on Innovation in Science and Technology (IICIST 2015), held at Universiti Teknologi Malaysia (April 2015); **A member** of the organizing committee of Fifth International Conference on Engineering and Sustainability, held jointly between the IUG-Palestine and Universiti Sains Malaysia (Dec 2014); **A member** of the organizing committee of Fifth International Conference on Science and Development, held jointly between the IUG-Palestine and Universiti Sains Islam Malaysia (Feb 2014); **Reviewer** for the Journals of Atmospheric Environment, Ecology and Natural Environment, Water Science and Technology, Journal of Engineering Science & Technology; **Postgraduate Student Advisor**, Civil Engineering School, USM, "2009-2010"; **A President** of the Association of Civil Engineering Postgraduate and Research officers (ACEPRO), Civil Engineering School, USM, "2008/2009"; **A member** in the Association of Engineers- Gaza, Palestine.(2005)

9. Other skills (e.g. Computer literacy, etc.): Good experience about programs of (Word, Excel, SPSS, Minitab, Matlab, Ms-Project, Sewer, Loop, Power Point and Sedra)

10. Professional experience:

Date from – Date to	Location	Company	Position	Description
May/2019- Present	India and Indonesia	John Snow, Inc USA USAID Project “Building Healthy Cities”	Consultant (Air Quality Impact Assessment)	Rresearch, Assess, monitor, design, plan, and advise local partners on monitoring of air pollution and the health impacts.
July/2019- Present	Malaysia	Malaysia-Japan International Institute of Technology (MJIT), UTM, Malaysia	Visiting Scholar	Planning, coordination, organization, Training, Analysis, reporting and publication.
Sept/2017- April/2019	Malaysia	Center for Urban Resource Sustainability	Research Associate	Planning, coordination, organization, Analysis, reporting and publication.
June/2017- Aug/2017	India	IntelliFour Software Pvt Ltd	Environmental Sustainability Consultant	Planning, coordination, organization, advising, Networking and reporting.
Dec/2016- May/2017	Brunei	GEnTec Sdn Bhd	Environmental Sustainability Consultant	Planning, coordination, organization, advising, networking and reporting.
Sept/2012- Present	Global	Global Development and Sustainability Group (GDSG)	Group Leader	Planning, coordination, organization, supervision and reporting.
Feb-May/2016	USA	Massachusetts Institute of Technology (MIT)	Research Affiliate	MIT - UTM Malaysia Sustainable Cities Program, UTM, Johor Bharu, Malaysia.
Sept 2015 to Jan/2016	Malaysia	Universiti Teknologi Malaysia	Visiting Research Fellow	Carried out research on “Assessment of low carbon strategic in Penang, Malaysia”. (Data Collection, analysis and reporting-Monitoring and Evaluation)
Sept/2014- May/2015	Malaysia	Malaysia-Japan International Institute of Technology (MJIT), UTM,	Post-Doctoral Fellow	Carried out research on particulate matters at urban areas (Data collection, analysis and writing papers-Monitoring and Evaluation))

Date from – Date to	Location	Company	Position	Description
		Malaysia		
Sept/2011-Aug/2014	Palestine	Environment and Earth Sciences Department, IUG-Palestine.	Assistant Professor	Teach courses and supervise research on sustainable development, environmental planning and policy, Environmental Impact Assessment, Environmental Management, air pollution, air quality management and control.
Jun/2012-Aug/2012	Malaysia	School of Civil Engineering, Universiti Sains Malaysia	Visiting Lecturer (Clean Air Research Group)	<ul style="list-style-type: none"> -Writing papers on air pollution. -Conducted training on analysis of VOC's using GC. -Delivered a public talk
Feb/2008-Feb/2011	Malaysia	School of Civil Engineering, Universiti Sains Malaysia	Project Officer, (Clean Air Research Group) and Teaching Assistant	<ul style="list-style-type: none"> -Planning of activities -Supervising monitoring -Conduct research on urban air pollution -Mentor master students. -Collect and analyse data -Write and publish papers
Nov/2006-Oct/2007	Palestine	World Vision Jerusalem, West Bank-Gaza funded by AusAID. Livelihood projects	Program Development Coordinator	<p>Assessment of Proposed “Area Development Program” in Gaza</p> <ul style="list-style-type: none"> -Planning of the proposed projects activities -Coordination with local partners Preparing the final program report.
Aug/2006-Oct/2006	Palestine	Palestinian Center for Human Resources Development "Pchrd", Gaza funded by USAID	Project Manager	<p>Community Mobilization and livelihood Improvement Project)/ Hanan Project</p> <ul style="list-style-type: none"> Leaded a team of 35 employees Planning the project activities Monitoring the project progress Reporting the international partner
Mar/2006-May/2006	Palestine	Environment and Infrastructure Consultants "Enfra", Gaza funded by AusAID, World Vision- Australia	Project Assistant Manager	<p>A project in the field of Environmental conditions Improvement " in Gaza</p> <ul style="list-style-type: none"> Planning, coordination and reporting

Date from – Date to	Location	Company	Position	Description
Oct/2005- Dec/2005	Palestine	Palestinian Environment Quality Authority, Gaza	Project Supervisor	A project (Construction of Small-Scale Plants for Grey Waste Water Treatment) for the local communities in the rural areas in Gaza. Monitoring of the project activities
Oct/2004- Mar/2005	Palestine	United Nations for Refugees Relief and Work Agency	Trainee in the field of Environmental Impact Assessment	Review of the EIA study for North Gaza Waste Water treatment Plant
Mar/2004- Sep/2004	Malaysia	School of Civil Engineering, Universiti Sains Malaysia	Research Assistant	Projects (Waste Water Treatment by using low cost materials & Air Quality Monitoring) Lab testing, data analysis and writing papers

11. Other Relevant Information (e.g. Publications):

11.1: Publications:

Books

- **Al Madhoun W A**, N.A. Ramli, A. S. Yahaya. (2011). Non Methane Hydrocarbons (NMHC's) Trends in Various Development Status in Malaysia. LAMBERT Academic Publishing, Germany.

International Journals

- **WA Al Madhoun**, AA Firdaus, HA Isiyaka. (2019), Sustainable assessment of academic buildings at Universiti Teknologi Petronas campus, IOP Conference Series: Earth and Environmental Science 228 (1), 012021
- M Hustim, A El Zaza, **W Al Madhoun**, ZA Heen, SH Aly, MI Ramli. (2018)" Assessing Noise Pollution and its Impact on Student's Blood Pressure and Their Learning Performance in Palestine, MATEC Web of Conferences 203, 03008.
- **AlMadhoun, Wesam**, Rami Mokar, Zeyad Abu Hein, M. Rashid, and Mohd Shahrul Mohd Nadzir. (2017). "Carbon Dioxide Emission from Traffic and Its Impact on Micro-Climate Change in Gaza City, Palestine." The International Journal of Climate Change: Impacts and Responses 9 (2): 43-52. doi:10.18848/1835-7156/CGP/v09i02/43-52.
- **WA Al Madhoun**, RM Mokar, ZHA Heen, M Isahak (2016). Assessment of Carbon Dioxide Emissions from Traffic and Its Health Impact in Gaza, Palestine, Public Health Research, Public Health Research, 6 (1). pp. 18-23.
- Aljeesh,Y. **Al Madhoun,W.** El Jabaly, S.(2015). Effect of Exposure to Cement Dust on Pulmonary Function among Cement Plants Workers in the Middle Governorate, Gaza, Palestine, Public Health Research 2015, 5(5): 129-134, DOI: 10.5923/j.phr.20150505.01
- **Al Madhoun, W. A.**, Ramli, N. A., Yahaya, A. S., Rashid, M., (2015). Temporal Distribution of Non Methane Hydrocarbon (NMHC) in A Developing Equatorial Island. Air Qual Atmos Hlth. DOI 10.1007/s11869-015-0341-8.
- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, **Wesam Al Madhoun**. (2015). Seasonal Variation in Schools' Indoor Air Environments and Health Symptoms among Students in an Eastern Mediterranean Climate. Human and Ecological Risk Assessment: An International Journal, 21(1).
- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, **Wesam Al Madhoun**. (2014). The effect of seasonal variation on indoor and outdoor carbon monoxide concentrations in Eastern Mediterranean climate, Atmospheric Pollution Research,5.
- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, **Wesam Al Madhoun**. (2014). The effect of seasonal variation on indoor and outdoor carbon monoxide concentrations in Eastern Mediterranean climate., Atmospheric Pollution Research ,5 (2).
- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, Ahmad Shukri Bin Yahaya, **Wesam Al Madhoun**, Ahmed Zia Ul-Saufie. (2014), Multivariate methods for indoor PM₁₀ and PM_{2.5} modelling in naturally ventilated schools buildings, Atmospheric Environment (in Press).
- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, Ahmad Shukri Bin Yahaya, **Wesam Al Madhoun**, Ahmed Zia Ul-Saufie. (2014). Multivariate methods for

indoor PM₁₀ and PM_{2.5} modelling in naturally ventilated schools buildings, *Atmospheric Environment*, 94.

- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, **Wesam Al Madhoun**. (2013). Spatial and seasonal variation of particulate matter (PM₁₀ and PM_{2.5}) in Middle Eastern classrooms, *Atmospheric Environment*, 80.
- Maher Elbayoumi, Nor Azam Ramli, Noor Faizah Fitri Md Yusof, **Wesam Al Madhoun**. (2013). An Exposure Level of Fine Particulate Matter in Various Schools in Gaza Strip, Palestine, *International Journal of Environmental Protection*, Vol. 3 Iss. 12.
- **Al Madhoun W A**, N.A. Ramli, A. S. Yahaya. (2012). Monitoring of TVOC and Benzene Emitted From Different Sources. *Journal of Engineering Science*. Vol 8.
- **Al Madhoun W A**, Ramli N A, Yahaya A S, Yusof N F, Ghazali N A, Sansuddin N, (2011). Levels of benzene concentrations emitted from motor vehicles in various sites in Nibong Tebal, Malaysia. *Air Qual Atmos Health*, DOI 10.1007/s11869-010-0083-6. <http://www.springerlink.com/content/g113q21516755966/>
- Nor Azam Ramli · Nurulilyana Sansuddin · Ahmad Shukri Yahaya · Noor Faizah Fitri Md Yusof · Nurul Adyani Ghazali · **Wesam al Madhoun**. (2010). TIME SERIES PREDICTIONS OF PM10 CONCENTRATIONS AT DIFFERENT LOCATIONS IN MALAYSIA. *Environmental Monitoring and Assessment*.
- Noor Faizah Fitri Md Yusof · Nor Azam Ramli · Ahmad Shukri Yahaya · Nurulilyana Sansuddin · Nurul Adyani Ghazali · **Wesam al Madhoun**. (2010). Monsoonal Differences and Probability Distribution of PM10 Concentration. *Environmental Monitoring and Assessment*. (DOI 10.1007/s10661-009-0866-0). <http://www.springerlink.com/content/w34332x45183223h/fulltext.pdf>
- Nurul Adyani Ghazali, Nor Azam Ramli, Ahmad Shukri Yahaya, Noor Faizah Fitri Md Yusof, Nurulilyana Sansuddin, **Wesam Al Madhoun**. (2010). Transformation of Nitrogen Dioxide into Ozone and Prediction of Ozone Concentrations Using Multiple Linear Regression Technique. *Environmental Monitoring and Assessment*. (DOI 10.1007/s10661-009-0960-3). <http://www.springerlink.com/content/m1660161u1n95753/fulltext.pdf>
- **W. A. Al Madhoun**, M.N. Adlan, N.A. Ramli, M.H. Isa, & M.R. Razman, (2004). Air Quality Issues in the Environmental Impact Statements. *Journal of Environmental Science, Mansoura, Egypt*. Vol, 28.

Conferences

2019

- Eman Y. Abed, **Wesam A. Al Madhoun**, Abdelraouf A. Elmanama, Hyunook Kim, Xiaohong Xu and Faizah Che Ros (2019). Appraisal of indoor Microbial Pollutants at University Research Labs and Offices under Mediterranean Climate. The 3rd EPI International Conference on Science and Engineering 2019 (EICSIE) 2019, Makassar, 24-25 Sept 2019.
- Nurul A. Mokhtar, **Wesam A. Al Madhoun**, Motasem Y. D. Alazaiza, Abdul-Lateef Balogun, Nasehir K. B. E. M. Yahaya and Faizah Che Ros (2019). Investigation of Air Pollution Impact on Kinta River Water Quality at a Tropical Region. The 3rd EPI International Conference on Science and Engineering 2019 (EICSIE) 2019, Makassar, 24-25 Sept 2019.

- **Wesam A. Al Madhoun**, Emad Salem, Ashraf Eljadi, Hamza Ahmad Isiyaka and Faizah Che Ros (2019). Impact Assessment of Traffic Emission on The Respiratory System of Non-Smoking Traffic Policemen In Palestine. The 3rd EPI International Conference on Science and Engineering 2019 (EICSIE) 2019, Makassar, 24-25 Sept 2019.

2018

- Wesam A. Al Madhoun, Mohammad Khaled, Ashraf Eljedi, Hyunook Kim, Mohd Shahrul Mohd Nadzir⁴, Abdul-Lateef Balogun, (2018), Review: Indoor Air Quality and the Risk of Lower Respiratory Tract Infection, Proceedings of the 1st International Conference on Engineering and Future Technology (ICEFT-2018), February 24-25, 2018, University of Palestine, Gaza, Palestine.

2017

- **Al Madhoun, W. A.** Abed, Eman Y. , Elmanama, Abdelraouf A. , Kim, Hyunook , Xu, Xiaohong (2017). Assessment of Indoor Microbial Environment of Labs and Faculty Offices at a University in Gaza, Palestine. Proceedings of International Exchange and Innovation Conference on Engineering & Sciences (IEICES) 3pp.11 - 14 , 2017-10-19 , Interdisciplinary Graduate School of Engineering Sciences, Kyushu University.
- **WA, Al Madhoun** , MH, Abu Hamda , YI, Al Jeesh , Kim, Hyunook , GM, Hosang. (2017). Assessment of Noise Exposure Impacts on Blood Pressure and Pulse Rate at Intensive Care Units in Gaza Strip-Palestine. Proceedings of International Exchange and Innovation Conference on Engineering & Sciences (IEICES) 3pp.79 - 84 , 2017-10-19 , Interdisciplinary Graduate School of Engineering Sciences, Kyushu University

2015

- **Al Madhoun, W. A.** Matar, M. M. Abu Heen, Z. H. Rashid, M. (2015). Assessment of Power Plant Emission and Its Health Impacts in Gaza, 2nd International Conference on Purity, Utility Reaction and Environmental Research- PURE2015, Kuala Lumpur, Malaysia.

2014

- **Al Madhoun, W. A.** Rashid, M. (2014). An Overview on the Mutual Relationship between Forests and Air Pollution - Gain and Loss. National Conference Royal Belum (NCRB), Gerik Perak, Malaysia.
- **Al Madhoun, W. A.** Rashid, M. EL-Khuzundar, S. EL-Helou, S. (2014). Assessment of Lead Pollution in Urban Roadside Environment of Gaza City. Proceeding of the Fifth International Conference on Engineering Sustainability, Gaza, Palestine.
- Khalil M El Khateeb, Zeyad H Abu Heen, and **Wesam Al Madhoun**. (2014). Determining Levels of Carbon Dioxide, Carbon Monoxide And Thermal Comfort Inside IUG Offices And Its Effect on The Employees, Proceeding of the Fifth International Conference on Engineering Sustainability, Gaza, Palestine.

2013

- **Wesam Al Madhoun**, Mohammad Al Nounou, Mohammad Shabat, Zeyad Abu Heen, Samir Hararah. (2013). Health and Environmental Impacts of Marble Industry in Gaza, Palestine, The International Symposium of Health Sciences 2013, Malaysia.
- **Wesam Al Madhoun**, Samir Hararah, Nor Azam Ramli , Riham Mahmoud, Lamia Shalaby. (2013). Monitoring and Modelling of Traffic Noise at Several Sites in Gaza City. The International Conference on Environmental Science and Technology, Turkey.

2010

- **W. A. Al Madhoun**, N.A. Ramli, A. S.Yahia, (2010). " Roadside BTEX emissions in different Developing countries ". *Proceeding of 3rd International Conference on Engineering and Gaza Reconstruction*, IUG, Gaza, Palestine.
- **W. A. Al Madhoun**, N.A. Ramli, A. S.Yahia. (2010). " Concentrations of BTEX in the Central Business Area in Penang ". *Proceeding of 2nd International Conference on Human Habitat and Environment*, Nilai, Malaysia.

2009

- **W. A. Al Madhoun**, N.A. Ramli, A. S.Yahia, N. F. Yousef, N. A. Ghazli & N. Sansuddin. (2009). " A proposed Framework for Measuring and Modeling of BTEX in Various Developing Cities". *Proceeding of The 3rd International Conference on Science and Development*, IUG, Gaza, Palestine.
- **W. A. Al Madhoun**, N.A. Ramli, A. S.Yahia. (2009). Monitoring of TVOC and Benzene Emitted From Different Sources. *Proceeding of the 5th National Conference of Civil Engineering (AWAM09)*, Kuala Lumpur, Malaysia.
- N.A. Ramli, **W. A. Al Madhoun**, A. S.Yahia . (2009)" Monitoring of Benzene Concentrations Within Indoor Environment of Cars. The second International Seminar, Ecology, Human Habitat and Environmental Change, Nilai, Malaysia.
- **W. A. Al Madhoun**, N.A. Ramli, A. S.Yahia. (2009). Monitoring Of Benzene Emitted From Traffic Vehicles. *Symposium of USM Fellowship Holder*. USM, Penang, Malaysia.

2008

- **W.A. Al Madhoun**, N.A. Ramli, A. S.Yahaya, N. F. Yusof, N. A. Ghazali & N. Sansuddin. (2008). A Framework for Monitoring and Modelling of BTEX in Various Development Statures in Penang, Malaysia. *Proceeding of The International Conference on Environment 2008 (ICENV08) in Penang, MALAYSIA*.
- N.A. Ghazali, N.A. Ramli, A. S.Yahaya, N. F. Yusof, N. Sansuddin, & **W.A. Al Madhoun**. (2008). Regression Modelling and Temporal Analysis of Hourly Ozone Concentrations in Urban Environment of Malaysia. *Proceeding of The International Conference on Human Habitat 2008 in Bangi, Selangor, Malaysia*.
- **W.A. Al Madhoun**, N.A. Ramli, A. S.Yahia, N. F. Yousef, N. A. Ghazli & N. Sansuddin. (2008). A Review on Practice of Air Quality Issues in the Environmental Impact Assessment Reports of Development Projects in Malaysia. *Proceeding of The International Conference on Construction and Building Technology (ICCBT08) in Kuala Lumpur, MALAYSIA*.
- N. A. Ghazli, N.A. Ramli, A. S.Yahia, N. F. Yousef, N. Sansuddin, & **W. A. Al Madhoun**. (2008). Temporal Analysis and Prediction of Ozone Concentrations in Gombak, Selangor. *Proceeding of The International Conference on Construction and Building Technology (ICCBT 08) in Kuala Lumpur, MALAYSIA*.
- N. F. Yusof, N. A. Ghazali, N.A. Ramli, A. S.Yahaya, N. Sansuddin, & **W.A. Al Madhoun**. (2008). Correlation of PM10 Concentration and Weather Parameters in Conjunction with Haze Event in Seberang Perai, Penang. *Proceeding of The International Conference on Construction and Building Technology 2008 (ICCBT08) in Kuala Lumpur, Malaysia*.
- N.A. Ramli, N. A. Ghazli, A. S.Yahia, N. F. Yousef, N. Sansuddin, & **W. A. Al Madhoun**. (2008). Profile of Transformation of Nitrogen Dioxide to Ozone in Shah Alam , Selangor.. *Proceeding of The International Conference on CIVIL Engineering, Pahang, MALAYSIA*.

- N.A. Ramli, N. F. Yusof, A.S. Yahaya, N.A. Ghazali, N. Sansuddin, & **W.A. Al Madhoun**. (2008). Analysis of High Particulate Matter (PM₁₀) Event in Kuantan from 1997 to 2005. *Proceeding of The International Conference on Civil Engineering 2008 (ICCE08) in Pahang, Malaysia*.

2005

- **W. A. Al Madhoun**, M. Hasnain Isa, N.A. Ramli, M. N. Adlan, B. H. Hameed & I.H. Farooqi, (2005). Cu and Zn Removal By Adsorption Using Ash from Palm Oil Factory. *Proceeding of the International Conference on Water: Rights and Values, Ramallah, Palestine*.
- **W. A. Al Madhoun**, Steward, A. Jabieng, M. Hasnain Isa, Faridah A. H. Assari, Hamidi A. Aziz & I.H. Farooqi, (2005). Co-Composting of Palm Oil Wastewater Sludge and Biosolids. *Proceeding of the International Conference on Water: Rights and Values, Ramallah, Palestine*.

2004

- M.H.Isa, **W. A. Al Madhoun**, A.A.Hamidi, F.A.H.Asaari & N.H.M. Sabiani (2004). Fe Removal By Using Ash From Oil Palm Factory. *Proceeding of the Third National Conference of Civil Engineering (AWAM 2004)*, Pulau Pinang, Malaysia.
- N.A. Ramli, & **W. A. Al Madhoun**, (2004). Integration of Environmental Impact Assessment in The project Life Cycle. *Proceeding of the Third National Conference of Civil Engineering (AWAM 2004)*, Pulau Pinang, Malaysia.
- N.A. Ramli, **W. A. Al Madhoun**, M.H. Isa, & M.N. Adlan, (2004). Air Quality Issues in the Environmental Impact Statements of development Projects. *Proceeding of 13th World Clean Air and Environmental Protection Congress and Exhibition*, London, United Kingdom.
- **W. A. Al Madhoun**, M.N. Adlan, N.A. Ramli, M.H. Isa, & M.R.Razman, (2004). Air Quality Issues in the Environmental Impact Statements. *Proceeding of the Second Annual International Conference on the Environment And Health Safety, Mansoura, Egypt*.
- **W. A. Al Madhoun**, & N.A. Ramli, (2004). Review of Air Quality Issues in the Environmental Impact Assessment Reports of Housing Projects. *Proceeding of the Second Bangi world Conference on Environmental Management, Bangi, Selangor, Malaysia*.
- **W. A. Al Madhoun**, & N.A. Ramli, (2004). Coverage of Air Quality Issues in the Environmental Impact Assessment Reports of Agricultural Projects. *Proceeding of the Third International Conference on Environment Safety and Loss Prevention, Kuwait City, Kuwait*.

Oral Presentations

- **W. A. Al Madhoun**, N.A. Ramli, A. S.Yahia, N. F. Yousef, N. A. Ghazli & N. Sansuddin. (2008). " Conceptual Paper: Measuring and Modeling of BTEX in Various Development Sites in Penang, Malaysia". *International Forum for Junior Civil Engineers, Jakarta*.
- **W. A. Al Madhoun**, & N.A. Ramli, (2004). Review of Air Quality Issues in the Environmental Impact Assessment Reports of Housing Projects. *Second Bangi world Conference on Environmental Management, Bangi, Selangor, Malaysia*.
- **W. A. Al Madhoun**, N.A. Ramli, M.H. Isa, & M.N. Adlan, (2004). Air Quality Impact Assessment. Graduate Seminar in the School of Civil Engineering, Universiti Sains Malaysia, Penang, Malaysia.
- **W. A. Al Madhoun**, & N.A. Ramli, (2004). Air Emission Quantification in Malaysia. Graduate Seminar in the School of Civil Engineering, Universiti Sains Malaysia, Penang, Malaysia.

Workshops and Seminars

- **29/12/03 - 31/12/03** Attended a workshop on **Research Design and Methodology** in Universiti Sains Malaysia-USM.
- **29/4/2004** Attended a workshop on **Technical Writing** in Universiti Sains Malaysia-USM.
- **7/5/2004** Attended a seminar on **Innovation and Technology Management** in Universiti Sains Malaysia-USM.
- **20/5/2004** Attended a workshop on **Occupational Safety and Health** in Universiti Sains Malaysia-USM.
- **10-12/9/2007** Attended Training Workshop on the **INEE Minimum Standards for Education in Emergencies, Chronic Crises and Early Reconstruction**, Gaza.
- **5/03/10 - 7/03/10** Attended: 20 Hours course of "**Sustainable Development**" in the **Universiti Sains Malaysia - Malaysia**.
- **23/6/2014** organize **international seminar** in **Air Pollution Assessment and sustainability**, jointly with Universiti Sains Malaysia.
- **21st – 22nd /4/2015** Attended the **2nd International Conference and Round-table Discussion on Leadership (ICRIL 2015)**, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia.
- **Jan-May/2016** participated in several interfaith dialogues at Massachusetts Institute of Technology, USA;

Fellowships and Awards

- **The Best Paper Award (2015)**, 2nd International Conference on Purity, Utility Reaction and Environmental Research- PURE2015, At Kuala Lumpur, Malaysia.
- **The Best Research Award (2014)**, Scientific Research Competition, Ministry of education, Gaza, Palestine.
- Selected as **Graduate Success story** by Universiti Sains Malaysia (2014).
- **A Bronze Medal (2012)**, *Environmental Innovation Competition, Ministry of Youth and Sport, Gaza-Palestine.*
- **Universiti Sains Malaysia Fellowship (2008-2011)**.
- **A Bronze Medal (2008)**, *Postgraduate Competition, International Conference on Construction and Building Technology 2008*, Kuala Lumpur.

Research Projects Supervision

PhD

1. Field supervisor for Mr. Maher Al Bayumi- Collaboration with Universiti Sains Malaysia (**Completed**). 6/2014
 - Research Title: "Assessment Of Indoor Air Quality, Thermal Comfort And Health Symptoms In Naturally Ventilated Classrooms".
2. Co-Supervisor for Ms. Annisa Utami Rauf- Collaboration with University of Hasanuddin-Indonesia (**Ongoing**). 9/2019.

- Research Title: “Prediction Model of heavy metal distribution and environmental health risk analysis around the cement industry in Maros Regency”.
3. Co-Supervisor for Ms. Rtna Dwi Puji Astuti- Collaboration with University of Hasanuddin-Indonesia (**Ongoing**). 9/2019.
 - Research Title: “Risk impact model for heavy metal exposure in the coastal area of Pangkajene, South Sulawesi”.

MSc

1. **Marwan Abu Hamda (Completed)**, 12/2013
 - Research Title: " Effect of Noise exposure on Blood Pressure and Pulse Rate of Employees in selected hospitals in Gaza Governorate- Palestine."
2. **Mosa'ab Mattar (Completed)**, 1/2014
 - Research Title: " Air Quality Impact Assessment of Gaza Power Plant"
3. **Khalil Al Khatib (Completed)**, 1/2014
 - Research Title: "Assessment of the Indoor Environment at IUG Gaza."
4. **Mohammad Al Khaldy (Completed)**, 1/2014
 - Research Title: " Relationship between Indoor Air Quality and Lower Respiratory Tract Infection among Children at Middle Governorate of Gaza Strip, Palestine."
5. **Iyad Shamah (Completed)**-5/2014
 - Research Title: " Assessment of Indoor Air Quality in the Neonatal Intensive Care Units at Government Hospitals in Gaza Governorates, Palestine".
6. **Rame Mokat. (Completed)**-5/2014
 - Research Title: " Study of the Traffic Emissions and their Health Impacts in Gaza City".
7. **Mohammad Al Asttal (Completed)**-6/2014
 - Research Title: " Assessment of The Random Housing at Khan Younis Refugees Camp and the Impact on Children Health."
8. **Eman Abed (Completed)**-11/2014
 - Research Title: "Assessment of Indoor Microbial Quality of Science Laboratories at Three Universities in Gaza City".
9. **Alaa' Al Zaza (Completed)**-1/2015
 - Research Title: "Assessing Noise Pollution at West Gaza Education Directorate and Its Impact on Students Blood Pressure and Achievements".
10. **Suliman El Jabale (Completed)**-5/2015
 - Research Title:"Effect of Exposure to Cement Dust on Pulmonary Function among Cement Plants Workers in The Middle Governorate, Gaza."
11. **Emad Salem (Completed)**-6/2015
 - Research Title: " Effect of traffic emissions on respiratory system of nonsmoking Traffic Policemen at Northern Gaza Governorate – Palestine".
12. **Hesham Hassouna (Completed)**-11/2016
 - Research Title: " Evaluation of Noise Pollution and its Effect on Sleep of the Middle Governorate Population in Gaza Strip – Palestine"

BSc**1. Sharifah Al Hilo and Samar Al Khuzndar (Completed), 1/2014**

- Research Title: "Assessment of Lead Pollution in Urban Roadside Environments of Gaza City".

2. Fatma Al Zagzog and Abeer Ismail (Completed), 1/2013

- Research Title: "Assessment of Traffic Emissions in the Urban Areas of Khan-Younis City, and Its Associated Impacts".

3. Mohammad Al Nounou and Osama Al Najjar (Completed), 1/2013

- Research Title: "Monitoring and Mitigation of air and noise pollution Emitted from marble industry in Gaza Strip".

4. Riham Mahmoud and Lamiaa' Shalaby (Completed), 6/2012

- Research Title: "Assessment of Traffic Noise and its Health Impacts at Several Locations in Gaza".

Talks Delivered:

- 24/09/2019: **Keynote Speaker** at The 3th EPI International Conference on Science and Engineering (EICSE) 2019. Organized by Engineering Faculty of Universitas Hasanuddin, Makassar- Indonesia.
- 19/09/2019: **Keynote Speaker, General Lecture** at Institute Teknologi Sumatera (ITERA), Lampung- Indonesia.
- 24/06/2018: **Guest Speaker** at the 18th Melaka International Youth Dialogue "Youth Engineering A Sustainable Urbanization"-Malaysia.
- 24/3/2016: "Environmental Challenges and Socio-Economic Conditions in Gaza: A Livable Place?" at **Center for Middle Eastern Studies - Harvard University, USA.**
- 29/2/2016: "Investigation of The Traffic Emission Trends and Assessment of Traffic Related Low Carbon Strategy in Penang. " at **Urban Planning Department, Massachusetts Institute of Technology (MIT), USA.**
- 10/03/2015: "Air Pollution and Sustainability in Palestine" at **Department of Civil Engineering, Indian Institute of Technology Delhi, New Delhi, INDIA.**

References:

- Prof. Dr. Nor Azam Ramli, (my PhD Supervisor), Universiti Sains Malaysia.

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- Prof. Lawrence Susskind, Massachusetts Institute of Technology, Email: susskind@mit.edu
- Prof Dr Farid Al Qeeq, Gaza University President, Palestine.
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- Prof. Dr. Mohd Hamdan Bin Haji Ahmad, Professor at [Universiti Teknologi Malaysia](#), Email: b-hamdan@utm.my
- Prof. Dr. Mohd Rashid Mohd Yosuf . Professor at Malaysia-Japan International Institute of Technology (MJIT), Malaysia.
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