

CURRICULUM VITAE



Name : Professor Dr. Juliana Binti Jalaludin
 Position : Professor
 Department : Environmental and Occupational Health
 Faculty of Medicine and Health Sciences
 Universiti Putra Malaysia
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Education

1. Doctor of Philosophy in Public Health (Environmental Health) 2004 Universiti Kebangsaan Malaysia (UKM)
2. Master of Science (Environmental Health) 1998 Universiti Putra Malaysia (UPM)
3. Bachelor of Science Human Dev (Community Health) 1995 Universiti Putra Malaysia (UPM)

Areas of Interest

1. Environmental and Occupational Health
2. Air Quality and Exposure Assessment
3. Indoor Air Quality (IAQ)
3. Environmental and Occupational Epidemiology
4. Air Quality Monitoring and Analysis
5. Indoor Environmental Quality (IEQ)

Professional Qualification/ Membership/ Affiliation

1. Asian Aerosol Research Assembly (AARA) Board Member
2. Deputy President of The Clean Air Forum Society of Malaysia (MyCAS)
3. Member of The National Council of Professor, Majlis Professor Negara, Malaysia
4. Malaysian Industrial Hygiene Association (MIHA), Coordinator Student Chapter- UPM
5. Environmental Management & Research Association of Malaysia (ENSEARCH) Member
6. Malaysian Association of Environmental Health (MAEH) Executive Board Committee
7. Malaysian Society for Environmental Epidemiology (MySEE) Member
8. Chartered Institute of Environmental Health (CIEH-UK) Voting Member
9. International Society of Indoor Air Quality and Climate (ISIAQ) Member
10. International Society for Environmental Epidemiology (ISEE) Member

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2020-Current	Professor- Environmental and Occupational Health Department, UPM	
2. 2024-Current	Board of Studies (BOS) for Bachelor of Applied Science Environmental Technology and Safety. UNIMAP	

3. 2024-Current Coordinator of Environmental and Occupational Health Research Centre (ROCe), Faculty of Medicine and Health Sciences UPM
4. 2024-Current Senior Research Fellow-Adjunct Professor Universitas Airlangga Surabaya Indonesia (UNAIR)
5. 2023-Current Asian Aerosol Assembly Association Board Member (AARA)
6. 2023-Current Co-Chairperson Asian Aerosol Conference & Head of Scientific Committee (AAC 2024)
7. 2023-Current Panel Assessor for Malaysian Qualifications Agency (MQA)
8. 2023-Current Advisor for IUPPA Regional Air Quality and Climate Change (AQMA)
9. 2023-Current Advisor for the Bachelor of Safety, Health and Environmental Technology Program with Honors at UMT
10. 2023-Current National Pingtung University of Science and Technology, Taiwan-Visiting Professor
11. 2023-Current Visiting Professor Universitas Muhammadiyah, Jakarta
12. 2022-Current Member of The National Council of Professor, Majlis Professor Negara, Malaysia
13. 2021-2023 Head of Continuous Quality Assurance Unit (CQA) Unit, FMHS UPM
14. 2022-Current Panel Advisor for Master of Public Health and EOH Program, Kuwait University
15. 2022-Current Panel Advisor for EOH Program, University of Energy and Natural Resources (UENR), Sunyani, Ghana, University
16. 2022-Current Advisory Board for DrPH and Master of Public Health, Universiti Kebangsaan Malaysia
17. 2021-Current International Advisory Board for International Journal of Environmental Health Research
18. 2021-Current Panel Assessor for National funding Agency of the State of Qatar & Kuwait
19. 2021-Current Panel Advisor for Master of EOH Program & Undergraduate Program University Teknologi Mara
20. 2020-Current Environmental Health Expert, National Environmental Health Action Plan (NEHAP), MOH, Malaysia
21. 2019-Current Adjunct Professor Universitas Airlangga Surabaya Indonesia (UNAIR)
22. 2019-2020 International Committee of World Clean Air Congress WCAC'19 and Chairperson Health Impact Assessment (HIA)
23. 2020-Current Ambassador for Green Hands Kuwait - Environmental Sustainability
24. 2020-Current Expert Panel Environmental and Occupational Safety and Health (OSHE), UTHM

25. 2019-Current	Editorial Board for BMC, UK
26. 2018-Current	Academic Advisor- Universiti Tunku Abdul Rahman, (UTAR) Kampar Perak
27. 2018-Current	Academic Advisor-MAHSA University
28. 2017-Current	Expert Panel TWG10 and Advisory Panel or NEHAP (National Environmental Health Action Plan), MOH
29. 2018-Current	Director Summer Crash Course, EOH Faculty Medicine and Health Sciences, UPM
30. 2017-Current	Academic Advisor -Universiti Kuala Lumpur, Institute of Medical Science Technology (UniKL MESTECH)
31. 2018-Current	Deputy President- Malaysia Clean Air Society (MyCAS) / Better Air Quality Conference 2018 (BAQ)/Head of Scientific Committee
32. 2017-2021	Panel Committee-EMS, UPM MS ISO 14001
33. 2017-Current	External Examiner for Segi University, Kota Damansara
34. 2017-2018	Panel Assessor Deemed Accreditation-Universiti Teknologi MARA
35. 2018-2023	Primary Reviewer of Ethics Committee for Research Involving Human Subjects (JKEUPM)
36. 2016-Current	Panel of Grant Assessor, MOSTI, MOE and Putra Grant, Universiti Putra Malaysia
37. 2016-2020	Head of Environmental and Occupational Health Department, Universiti Putra Malaysia
38. 2015-2019	Associate Professor
39. 2015-current	Coordinator for Student Chapter Malaysian Industrial Hygienist Association (MIHA)
40. 2015-current	Research Associate at Cancer Resource And Education Centre (CaRE)
41. 2013-2015	Academic Advisor and Industrial Advisor for Diploma in Occupational Safety and Health at Imperia Institute of Technology
42. 2011-Current	External board Moderator for American Degree Program at SEGi College External Examiner for BSc (Hons) Professional, University of Greenwich, UK
43. 2011-Current	Academic Advisor for Diploma in Environmental Health at SEGi College, KL
44. 2010-Current	External Examiner - Board of Moderator of Examination at SEGi College, KL
45. 2011-Current	Panel of Programme Assessors UPM and Auditor for Swa Accreditation UPM
46. 2003-2008	Head of Environmental Health Unit, Faculty of Medicine and Health Sciences
47. 2007-2015	Senior Lecturer
48. 2004-2006	UPM's Safety and Health Technical Committee Member
49. 2005-Current	Coordinator of Industrial Training Programme FPSK, UPM

50. 2004-2005 Coordinator of BSc (Environmental and Occupational Health) Program
51. 2003-Current Member of Health Sciences Curriculum Committee, FPSK, UPM
52. 2004-2010 Internal Auditor of ISO MS 9001: 2000- Faculty Medicine & Health Sciences, UPM
53. 2003-2006 Research Associate at Institut Teknologi Maju, UPM (ITMA)
54. 2003-2005 Lecturer
55. 2002-2004 Committee in re-structuring of BSc (Environmental and Occupational Health) 3-4 years programme
56. 2002-2007 Committee member of Working Group of ISO MS 9001: 2000 at Faculty of Medicine & Health Sciences, UPM
57. 2001-2003 Working Group of Environmental Risk Management Programme (2001-2003) JSPS-VCC Program: Environmental Science, Engineering & Ethics
58. 1998-2002 Tutor- Faculty Medicine & Health Sciences, UPM

Publications

Journals (in 5 years)

1. Azam, N.S.A., **Jalaludin, J.**, Suhaimi, N.F.(2024).The association between indoor air quality and respiratory health symptoms among preschool children in Penang, Malaysia. International Journal of Environmental Health PMID: 38860645 DOI: 10.1080/09603123.2024.2365308 (Q2)
2. Rupakheti, D., Mahapatra, P. S., & **Jalaludin, J.** (2024). Editorial: Characterization, effects, perception, and mitigation of air pollution in Asia for better air quality management. In Frontiers in Earth Science (Vol. 12). <https://www.frontiersin.org/articles/10.3389/feart.2024.1293817>
3. Widajati, N., Dzaki, M., Dwiyantri, E.,Irmawati, A., **Jalaludin J.**,Priyandani, Y. Relationship of Water Consumption, Speed Suitability, and Fatigue to Accidents in Online Motorcycle Taxi Drivers. Malaysian Journal of Medicine and Health 2024, 20(3), pp. 229–236
- 4.KNM Isa, NANM Som, **J Jalaludin**, NH Hashim. Effects of Residential Proximity to Industrial Zone on Respiratory Symptoms among Residents in Parit Raja, Batu Pahat. - Malaysian Journal of Medicine & Health Sciences, 2024
5. Tri Martiana., Firman Suryadi Rahman.,Santi Martini, Indriati Paskarinia,Soenarnatalina Melaniani, Ajeng Kusumawardani, **Juliana Jalaludin**, Khadizah H. Abd Mumin. (2024) Prediction of pregnancy disorders in female workers in the industrial sector. Heliyon 10(10),e30987-(Q2)
6. Najib, S.A.H.M., **Jalaludin, J.**, Feisal, N.A.S. et al. Interaction of indoor air contaminants and respiratory health among children in the daycare centers. Air Qual Atmos Health (2024). <https://doi.org/10.1007/s11869-024-01536-z>
7. R Tualeka, **J Jalaludin**, J Gasana, NA Sopian, HR Chao, M Yusmaidie,(2024) Association between nitric oxide and cancer and stroke risk: A meta-analysis. F1000Research 12, 1467.
8. Onwusereaka, C.O., **Jalaludin, J.**, Isa, K.N.M. et al. Targeted Metagenomics Identification of Microbiome in Preschools exposed to air Pollutants and Their Association with Respiratory Health symptom, Allergy and Eczema. Air Qual Atmos Health (2024). <https://doi.org/10.1007/s11869-024-01545-y>
9. Onwusereaka, Cynthia Oluchi, **Jalaludin, Juliana**, Oluchi, Sampson Emilia and Poh Choo, Veronica Chua. New generation sequencing: molecular approaches for the detection and monitoring of bioaerosols in an indoor environment: a systematic review" Reviews on Environmental Health, 2024. <https://doi.org/10.1515/reveh-2023-0004>

10. Abdul Rohim Tualeka **Juliana Jalaludin** Janvier Gasana.,How Ran Chao, Suardi Zuim, Pudji Rahmawati Association between nitric oxide and cancer and stroke risk: A meta-analysis. F1000 Research 2024, 12:1467
11. Tualeka AR, **Jalaludin J**, Sopian NA et al. The relationship between cotinine levels in the blood with glutathione, and malondialdehyde levels of smokers: a systematic review and meta-analysis [version 1; peer review: awaiting peer review]. F1000Research 2023, 12:1466
(<https://doi.org/10.12688/f1000research.134993.1>)
12. Jarkoni, M. N. K., Mansor, W. N. W., Kadir, N. H. A., Ramli, A., Abdullah, S., **Jalaludin, J.**, Hashim, F., Yusof, M. A., Saad, M. F., Lin, S. L., & Chao, H. R. (2023). Indoor Air Quality Assessment At a Plastic-To-Diesel Conversion Plant. Journal of Engineering Science and Technology, 18(5), 2371–2387.
13. Ramadhani, F. H., Azizah, R., **Jalaludin, J.**, Martini, S., & Sulistyorini, L. (2023). Meta-Analysis and Systematic Review: Risk Factors of Measles Incidence in Indonesia (2012 – 2021). Jurnal Kesehatan Masyarakat; Vol 19, No 1 (2023) DO - 10.15294/Kemas.V19i1.43060 . <https://journal.unnes.ac.id/nju/kemas/article/view/43060>
14. Khairi Anuar, M. H., **Jalaludin, J.**, & Suhaimi, N. F. (2023). Relationship Between Indoor Air Pollutants Exposure and Respiratory Symptoms Among Bus Drivers in a Malaysian Public University. Malaysian Journal of Public Health Medicine, 23(1), 17–23. <https://doi.org/10.37268/mjphm/vol.23/no.1/art.1853>
15. Hisamuddin, N. & **Jalaludin, J.** (2023). Children's exposure to polycyclic aromatic hydrocarbon (PAHs): a review on urinary 1-hydroxypyrene and associated health effects. Reviews on Environmental Health, 38(1), 151-168. <https://doi.org/10.1515/reveh-2021-0013>
16. Arfiani, N. D., Azizah, R., Nugroho, M. A., & **Jalaludin, J.** (2023). Workers' Behavior and Forced Vital Capacity (Fvc) Batik Workers in Batik Jetis Village, Sidoarjo. Indonesian Journal of Public Health, 18(1), 59–71. <https://doi.org/10.20473/ijph.v18i1.2023.59-71>
17. **Juliana Jalaludin.**, Wan Nurdiyana Wan Mansor., Nur Afizan Abidin., Nur Faseeha Suhaimi., How Ran Chao (2023) The Impact of Air Quality and Meteorology on COVID-19 Cases at Kuala Lumpur and Selangor, Malaysia and Prediction Using Machine Learning. Atmosphere 2023, 14, 973. 1-24
<https://doi.org/10.3390/atmos14060973> (Q2)
18. Tsrong-Yi Wen, Somporn Chantara, **Juliana Jalaludin**, Puji Lestari, Arie Dipareza Syafei5 Pham Van Toan , Ying I. Tsai. Overview of Aerosol and Air Pollution in South Eastern Asia Countries. Aerosol and Air Quality Research, 2023, 23(10), 230055: <https://doi.org/10.4209/aaqr.230055> (Q2)
19. Nurul Nadia Abdul Rahim,, **Juliana Jalaludin**,, Ernie Syazween Junaidi (2023) Association Between Air Microbiological Exposure With Sick Building Syndrome (SBS) among College Dormitory Students in Public University. Mal J Med Health Sci 19(SUPP14): 36-46,
20. Nur Amira Ghazali, **Juliana Jalaludin**, Ernie Syazween Junaidi (2023) Association of Exposure to Indoor Air Pollutants and Respiratory Health Symptoms among Photocopy Workers in Bandar Baru Bangi, Selangor. Mal J Med Health Sci 19(SUPP14): 17-29,
21. Hashim, J.H., Hashim, Z., Hod, R., **Jalaludin J.**,Sahrani, S., Zulkafli, Z.A.A (2023) priority list of environmental health issues for Malaysia Reviews on Environmental Health, 38(2), pp. 349–359 (Q2)
22. Noeroel Widajati, Tri Martiana, Tri Niswati Utami, **Juliana Jalaludin** and Titi Rahmawati Hamedon (2023) Pertanika Journal of Science & Technology. Preprint; <https://doi.org/10.47836/pjst.31.2.15>
23. Suhaimi, N.F., **Jalaludin, J.**, Roslan, N.I.S.(2023) Traffic-Related Air Pollution (TRAP) in relation to respiratory symptoms and lung function of school-aged children in Kuala Lumpur International Journal of Environmental Health Research, 2023.(Q1)
24. Nizam Mohd Isa., **Juliana Jalaludin.**, Zaikina Hashim., Jamal Hisham Hashim., Zailina Hashim (2022) Fungi composition in settled dust associated with fractional exhaled nitric oxide in school children with asthma.<https://doi.org/10.1016/j.scitotenv.2022.158639> STOTEN Q1 Top 10% IF 10.753, 853, 20 , 158639.
25. Seng Wei-Jung, Lu Jian-He, How-Ran Chao, Ming-Hsien Tsai, Liang-Jen, Chen Chih-Cheng, **Juliana Jalaludin**, Chih-Lung Wang, Ying-I Tsai (2022) Associations between Children's Exposure to PM2. 5 and their Serum Inflammatory Responses in Taiwan. Aerosol and Air Quality Research 22:12
DOI:10.4209/aaqr.220288 (Q2)
26. Rudzi, S.K., Ho, Y.B., Tan, E.S.S., **Jalaludin, J.**, Ismail, P. (2022). Exposure to Airborne Pesticides and Its Residue in Blood Serum of Paddy Farmers in Malaysia. International Journal of Environmental Research

and Public Health, 9(11), 6806 – (Q1)

27. Zubir, N., **Jalaludin, J.**, Rasdi, I. (2022). Indoor Air Quality and Psychosocial Factors Related to Sick Building Syndrome among Office Workers in New and Old Buildings of a Public University in Klang Valley, Malaysia. *Malaysian Journal of Medicine and Health Sciences*, 18, pp. 1–9.
28. Nizam Mohd Isa., **Juliana Jalaludin.**, Saliza Mohd Elias., Norlen Mohamed Jamal Hisham Hashim., Zailina Hashim (2022). Evaluation of the Relationship between Fractional Exhaled Nitric Oxide (FeNO) with Indoor PM10 PM2.5 and NO2 in Suburban and Urban Schools. *International Journal of Environmental Research and Public Health*, 19(8), 4580-(Q1)
29. Nur, H. H., & **Juliana, J.** (2020). Environmental exposure of children to polycyclic aromatic hydrocarbon (PAHs) and the association of PAHs exposure factors on urinary 1 hydroxypyrene level. *Reviews on Environmental Health-* (Q2)
30. Suhaimi, N.F., **Jalaludin, J.**, Bakar, S.A. (2021) Histone Modification and DNA Methylation as Epigenetic Biomarkers for Exposure to Traffic-Related Air Pollution among Children in Klang Valley. *International Journal of Environmental Research and Public Health*, 18(15), 7995. (Q1)
31. Isa, K.N.M., **Jalaludin, J.**, Elias, S.M., Than, L.T.L., Jabbar M.A., Saudi A.S.M., Norback D., Hashim, J.H., & Hashim, Z (2021). Metagenomic characterization of indoor dust fungal associated with allergy and lung inflammation among school children. *Ecotoxicology and Environmental Safety*, 221, 112430 (Q1)
32. Arindayu, T.W., Azizah, R., **Jalaludin, J.**, Sumantri, A., Sham, S. M., Juanah, L.Y., Ahmadi, A., Firdausi, S.A. (2021). Model of Community-Led Total Sanitation Pillar One: Open Defecation Free in Sagulung Subdistrict, Batam City. *Jurnal Kesehatan Lingkungan*, 13(3), 151-158
33. Winarno, D. D., Tualeka, A.R., Widajati, N., **Jalaludin, J.**, Huda, N., Afyiah, R.K., & Rahman, F.S. (2021). The Effect of Nitric Oxide Supplement Intake on the Value of Hematological Examination of Health Workers Exposed to Covid-19. *Indian Journal of Forensic Medicine & Toxicology*, 15(2), 2245-2251
34. Tualeka, A.R., Widajati, N., Winarno, D.D., **Jalaludin, J.**, Huda, N., Russeng, S.S., Ahsan, A., Susilowati, I. H., Rahmawati, P., Titin Ratnaningsih, T. (2021). The Effects of Nitric Oxide Supplement Intake on Neutrophils, Lymphocytes, and Nlr of Health Workers Exposed to Covid-19 In Indonesia. *PalArch's Journal of Archaeology of Egypt/Egyptology*, 18 (4), 1804-1814.
35. Yahaya, N.Z **Jalaludin J.**, Toros H ., & Dursun S (2021)Air Quality Status in Konya City Centre, Konya, Turkey during Pandemic Covid-19 *Earth and Environmental Science*, 2022, 1013(1), 012006
36. Suhaimi, N.F., **Jalaludin, J.**, & Latif, M.T. (2020) Demystifying a possible relationship between COVID 19, air quality and meteorological factors: Evidence from Kuala Lumpur, Malaysia. *Aerosol and Air Quality Research*, 20: 1520–1529 (Q2).
37. Suhaimi, N.F., **Jalaludin, J.**, & Bakar, S.A (2021). Deoxyribonucleic acid (DNA) methylation in children exposed to air pollution: A possible mechanism underlying respiratory health effects development. *Reviews on Environmental Health*, 36(1), pp. 77–93 (Q2).
38. Isa K.N.M., Hashim Z., **Jalaludin J.**, Norback D., Jabbar M.A., & Hashim J.H (2021). The impact of exposure to indoor pollutants on allergy and lung inflammation among school children in Selangor, Malaysia: An evaluation using factor analysis. *Aerosol and Air Quality Research*, 20(11), pp. 2371–2383 (Q2).
39. Salleh, S., Misri, N., Saufian, I.N., Razak, N.A., Ishak, M.F., Shafie, F.A., Mokhtar, M.A.A., **Jalaludin, J.**, Bakar, F.A., Mustaffa, M., Soon, P.G.K. & Kunju, S. (2021). Challenges in Crisis Management on Environmental Health Deliveries in Malaysia: Crisis Management on Environmental Health. *MAEH Journal of Environmental Health (Short Communication)*, 2 (1), 9-13.
40. Giralddi, R.I.M., Ramadhani, P.N., Azizah, R., & **Jalaludin, J.** (2021). Perbedaan Karakteristik Individu antara Desa Belum ODF dengan Desa ODF di Surabaya *Jurnal Ilmiah Permas: Jurnal Ilmiah STIKES Kendal*, 11 (2), 237-246.
41. Rachma E.Y., Tualeka A.R., **Jalaludin J.**, Russeng S.S., Rahmawati P., Ahsan A., & Susilowati I.H (2020). Correlation of toluene safe concentration, malondialdehyde and glutathione levels in Osowilangun shoe home industry workers. *Indian Journal of Forensic Medicine and Toxicology*, 14(4), pp. 950–958.
42. Febrianti R.R., Tualeka A.R., **Jalaludin J.**, Russeng S.S., Rahmawati P., Ahsan A., & Susilowati I.H. (2020). Correlation of safe benzene duration (Hours/day) and blood profile (leukocytes, hematocrit,

hemoglobin) in the osowilangun shoe home industry. Indian Journal of Forensic Medicine and Toxicology, 14(4), pp. 3353–3359.

43. Ningrum D.P., Tualeka A.R., **Jalaludin J.**, Russeng S.S., Rahmawati P., Ahsan A., & Susilowati I.H (2020). Correlation of safe benzene duration (Hours/day) and blood profile (leukocytes, hematocrit, hemoglobin) in the osowilangun shoe home industry. Indian Journal of Forensic Medicine and Toxicology, 14(4), pp. 3353–3359.

44. Ayathollah, A., Azizah, R., Arfiani, N.D., Ramadhani, F.H., & **Jalaludin, J.** (2020). Analysis of Pb Levels in the Paint at Developing and Developed Countries (2010–2019): A Bibliometric Analysis. Inkalindo Environmental Journal, 1 (2), 106–121

45. Nur, H.H., **Juliana, J.**, Aina, N.Y. & Tualeka, A.R., (2020) Genotoxic Effects of Exposure to Urban Traffic Related Air Pollutants on Children in Klang Valley, Malaysia. Aerosol Air Quality Research, 20 : 614–2623 (Q2).

46. Fandi, N.F.M., **Jalaludin, J.**, Latif, M.T., Hamid, H.H.A., Awang, M.F (2020) BTEX exposure assessment and inhalation health risks to traffic policemen in the Klang valley region, Malaysia. Aerosol and Air Quality Research, 20(9), pp. 1922–1937 (Q1).

47. Noor Haziqah Kamaludin, **Juliana Jalaludin**, Shamsul Bahri Mohd Tamrin, Abdah Md Akim, Tri Martiana, Noeroel Widajati (2020) Exposure to Silica, Arsenic, and Chromium (VI) in Cement Workers: A Probability Health Risk Assessment-Aerosol and Air Quality Research, 20: 2347–2370, (Q1).

48. Kharul Nizam Mohd Isa., Zailina Hashim. **Juliana Jalaludin**, Leslie Thian Lung Than and Jamal Hisham Hashim (2020) The Effects of Indoor Pollutants Exposure on Allergy and Lung Inflammation: An Activation State of Neutrophils and Eosinophils in Sputum J. Environ. Res. Public Health. 17(15), 5413; 1–18 (Q1).

49. Sopian, N.A., **Jalaludin, J.** & Latif, M.T. (2020). Increased Chromosomal Damage among Children in Proximity to Industrial Zone. Aerosol and Air Quality Research 20 (5) 944–955(Q1).

50. Mohd, F. A., **Jalaludin, J.**, Suhaili. A. B., Mohd, T. L., Noor, F. M. F., & Haris, H. A. H. (2020). Assessment of Micronucleus Frequency and respiratory health symptoms among traffic policemen exposed to BTEX and PM2.5 in Klang Valley, Malaysia. Jurnal Teknologi. 82(4) July 2020 (Q2).

51. Tualeka, A.R., **Jalaludin, J.**, Widiyanti, P., ...Ahsan, A., Susilowati, I.H. (2020) Determination reference of concentration (rfc) xylen exposure based on xylen noael in white rats and workers' body weight and height in Surabaya car painting area, Indonesia .Indian Journal of Forensic Medicine and Toxicology, 2020, 14(3), pp. 1662–1668.

52. Tualeka, A.R., **Jalaludin, J.**, Salesman, F., Wahyu, A., Daika, N. (2020). Correlation between age, working period and work-related musculoskeletal complaints with nordic body map among fishermen. Iranian Journal of Public Health Open Access, 49 (3): 601–602.

53. Fahmita, A.M, Azizah, R., Kurniadi, M.E., **Jalaludin, J.** (2020). Analysis of PM2.5 cement dust levels, temperature and humidity in limestone burning home industry tuban regency, East Java, Indonesia. International Journal of Psychosocial Rehabilitation, 24 (1): 1852–1862.

54. Faradina, A., Azizah, R., Eriani, I.D., Kurniadi, M.E., **Jalaludin, J.** (2020). Analysis of characteristics and pulmonary function status of garlic crackers home industry workers in Sidoarjo East Java Indonesia. International Journal of Psychosocial Rehabilitation, 24 (1): 1834–1845.

55. Ahsan, Tualeka, A.R., Rahmawati, P.Ahsan, Tualeka, A.R., Rahmawati, P. **Jalaludin J** (2020) Factors affecting nurse efficacy self in implementing resuscitation in cardiac arrest patients- Opcion (26)-485–503

Conference Proceedings (in 5 years)

1. Hazirah, H. N., **Juliana, J.**, Abu, B. S., & Talib, L. M. (2024). Influence of PAHs and Genetic Polymorphisms on Urinary PAHs Metabolite and DNA Damage among Malaysian Children in Urban Traffic Area. ISEE Conference Abstracts, 2023(1). <https://doi.org/10.1289/isee.2023.OP-078>

2. Zhafir Adam Ayub, Juliana Jalaludin, Khairul Nizam Mohd Isa, and Nor Mohd Razif Noraini (2022). IOP Conference Series: Earth and Environmental Science, 1013(1), 012012

3. Yahaya, N.Z., **Jalaludin, J.**, Rais, I.A.I., Yahaya, J., Rahman, E.S.A. (2022). The Analysis of Pollutant Concentrations Before and During Movement Control at Quarry Areas Using an Artificial Intelligent Technique.

IOP Conference Series: Earth and Environmental Science, 1013(1), 012011.

4. Yahaya, N.Z., **Jalaludin, J.**, Rais, I.A.I., Yahaya, J., Rahman, E.S.A. (2022). The Analysis of Pollutant Concentrations Before and During Movement Control at Quarry Areas Using an Artificial Intelligent Technique.

IOP Conference Series: Earth and Environmental Science, 1013(1), 012011

5. Firdausi, S.A., Azizah, R., **Jalaludin, J.**, Zakaria, Z.A. (2022). Association of short-term exposure to sulphur dioxide and nitrogen dioxide with number of hypertensions in East Java, Indonesia. IOP Conference Series: Earth and Environmental Science, 1013(1), 012009

6. Yahaya, N.Z., **Jalaludin, J.**, Toros, H., Dursun, S. (2022). Air Quality Status in Konya City Centre, Konya, Turkey during Pandemic Covid-19. IOP Conference Series: Earth and Environmental Science, 1013(1), 012006

7. Nurdiana Wan Mansor, W., Ashraf Razali, N., Abdullah, S., Lin, S.-L., **Jalaludin, J.** (2022). A Review of Plastic-derived Diesel Fuel as a Renewable Fuel for Internal Combustion Engines: Applications, Challenges, and Global Potential. IOP Conference Series: Earth and Environmental Science, 1013(1), 012014

8. Sopian, N.A., **Jalaludin, J.**, Bakar, S.A., Hamedon, T.R., & Latif, M.T (2021). Exposure to particulate paks on potential genotoxicity and cancer risk among school children living near the petrochemical industry. International Journal of Environmental Research and Public Health, 18(5), pp. 1–21, 2575 (Q1).

Books (If any)

1. Abd Rahim Tueleka, Tri Martiana and **Juliana Jalaludin**. Benzene, Risk Assessment, Risk Management and Risk Communication 2019- Airlangga University Press
2. **Juliana Jalaludin** and Chua Poh Choo. Pengurusan Kualiti Udara Dalam Sekolah (2015)- Penerbit Universiti Pendidikan Sultan Idris, Tanjong Malim, Perak -ISBN978-967-0480-7
3. Quick Reference Database of Toxic Chemical, NEHAP Malaysia 2020- Environmental Health Expert Advisory Committee
4. Juliana Jalaludin- Pocket Guide for Traffic Related Air Polution and School Indoor Air Quality - (2024) (in press)
5. Juliana Jalaludin -Guidance Document on Indoor Environmental Quality NEHAP, MOH (in press)
6. Juliana Jalaludin -Indoor Air Quality Management in Educational Institution (2024)

Chapter in Books (If any)

1. **Juliana Jalaludin** and Ernie Syazween Junaidi (2021) Risk of Exposure and Transmission on COVID-19 in Indoor Environment among Health Practitioners. Pandemic of COVID -19 in Malaysia
2. **Juliana Jalaludin** dan Chua Poh Choo. (2016) Pencemaran Udara Dalam dan Implikasinya Terhadap Kesihatan Respiratori Kanak-Kanak di Malaysia 2016 Dlm Muhammad Rizal Razman, Mazlin Mokhtar & Kadir Arifin (Pnyt.). Governans Kelestarian Kesejahteraan Alam Sekitar dan Kesihatan Masyarakat Malaysia.
3. **Juliana Jalaludin** & Noor Hisham Hashim (2016) Kanak-Kanak dan Governans Kelestarian Pendedahan kepada Pencemar Udara Dalam Sekolah Di Kalangan Kanak-Kanak Prasekolah Di Selangor Dlm Muhammad Rizal Razman, Mazlin Mokhtar & Kadir Arifin (Pnyt.). Governans Kelestarian: Governans Kelestarian Kesejahteraan Alam Sekitar dan Kesihatan Masyarakat Malaysia.
4. Nor Ashikin Sopian & **Juliana Jalaludin** (2016) Kanak-kanak dan governans kelestarian: pendedahan kepada pencemar udara dan implikasinya terhadap kesihatan respiratori kanak-kanak disekitar petrokimia Dlm Muhammad Rizal Razman, Mazlin Mokhtar & Kadir Arifin (Pnyt.): Governans Kelestarian Kesejahteraan Alam Sekitar dan Kesihatan Masyarakat Malaysia.
5. Lovetta Yatta Juanah, **Juliana Jalaludin**, Zubaidah Jamil and Malina Osman. Linking Toxoplasma Gondii Infection with Schizophrenia Updates in Medical Microbiology. 152- 172. Universiti Putra Malaysia Serdang,

Malaysia. 978-967-344-314-7.

6. Mohd Habir I, Ahmad M, Loi Kok C, **Juliana J.** Sensitivity Analysis of Wind Rotation in Determining the Correlation of Pollutant Concentration (NO₂) with the location in North East Peninsular Malaysia (ISBN 978 967-208-9).
7. Tezara C, Adam NM, **Juliana J**, Mariani M. Review of PM₁₀ Trend Indoor Air Quality Parameters and Its Effect towards Children. Engineering Research Methods. Chapter 8, 1-10.
8. **Juliana Jalaludin** & Nor Hisham Hashim Pendedahan Kepada Pencemar Udara Dalam Sekolah dan Pecahan Hembusan Nitrik Oksida (FeNO) Sebagai Indikator Keradangan Saluran Pernafasan Di Kalangan Kanak-Kanak Pra-Sekolah Di Selangor (2016).
9. **Juliana Jalaludin** & Chua Poh Choo Kualiti Udara Dalammandan Implikasinya Terhadap Kesihatan Respiratori Kanak-Kanak Di Malaysia (2016).
10. **Juliana Jalaludin** & Norashikin Sopian Risiko Kesihatan Akut Dan Kronik Terhadap Pendedahan Pencemar dari Industri Petrokimia (2016).

Research Grants

Completed

1. Histone Modification and DNA Methylation as Epigenetic Biomarkers for Exposure to Traffic-Related Air Pollution among Children in Klang Valley
2. Urban Air Pollution, Oxidative Stress, DNA Damage, dan Genetic Polymorphism among School Children
3. Determination of Reference Concentration of BTEX Exposure among Workers at Printing Industry Surabaya
4. Effective Dosage CYP2E1, Glisin, and Sulfation in Accelerating Toulena Excesion Causes Nerve Damage and Cancer in Home Industrial Workers
5. An Intelligent Multifunction Physical Monitoring System
6. Exposure Assessment of Benzene and Association of Genetic Polymorphisms and Chromosomal Damage among Traffic Policemen in Klang Valley (New 2016 2019)
7. Association of Respirable Cement Dust Exposure with Fractional Exhale Nitric Oxide (FENO) and Interleukin-8 (IL-8) on Airways Inflammation among Cement Workers in Negeri Sembilan
8. Allergy and asthma among school children in Malaysia – Influence of the school environment
9. Genetic Polymorphism in Glutathione (GSTM1 and GSTT1) genes and Methylmercury Levels form a Fish-Eating Pregnant Women in Petaling District, Selangor
10. Exposure to Indoor Air Pollution and Respiratory Health Among School Children in Depok Indonesia
11. Exposure to Organophosphahate and Effects of Paraoxnase (PON1) Polymorphism on Serum Hormone Level in Paddy Farmers in Tanjung Karang, Malaysia (New Project)
12. Indoor Air Quality Factors And Its Respiratory Health Effect Among Secondary School Children In Indonesia. 2016-2017.
13. Simultaneous Quantification of 14 Commonly Used Pesticides in Personal Air and Blood Samples among Paddy Farmers: Health Impact on Leukocytes Telomere Length
14. Pesticide Health Risk Assessment among Children in Agriculture Area
15. Assessment of Genotoxicity and Epigenetic Modification in School Children
16. Exposed to Urban Air Pollution in Klang Valley-2019-2024
17. Exposure Assessment to Industrial Air Pollutants and Biomarkers for Airways Inflammation among Primary School Children FRGS 2014-2016
18. Environmental Exposure, Asthma and Allergies among Preschool Children : A strategic Model on Preventive Measures (06-01-04-SF582) 2014-2016
19. Association Between Distribution Polyaromatic (PAHs) with Genotoxicity Among Primary School Children in the Vicinity of Petrochemical Area in Terengganu 2016-2018
20. Indoor air quality assessment and respiratory health implications among children in preschools in Selangor: a strategic model on indoor air quality management.-2014-2016
21. Evaluation and Prevention of Occupational Injuries among Commercial Vehicle Drivers in Malaysia-2016-2018

22. Indoor Air Quality, Respiratory Illness and Allergies among School Children in Urban Area-2019-2021
23. Seroprevalance of Toxoplasma gondii in individuals with schzophrernia among psychiatric patients in Hospital Kajang. RUGS 2011-2012
23. Socia Acceptability Insecticide Treated Mosquito Nets: A Comparative Study on Mazabuka Zambia and Lipis Pahang Malaysia Communities RUGS- 2011-2012
25. Multiple Risk Factors of MSD and the Impact on the Occurrence of Road Accident among Malaysian Car Drivers -Research University Grant Scheme 2007-2009
26. Suitable Area for Landfill Development: Identification and Calibration Using a GIS Approach-2007
27. Geo-Surveillance Modeling: Outdoor Air Pollution and Acute Respiratory Infection among Children in Klang Valley-2008
27. Assessment of Indoor Air Pollutants and the Risk of Developing Respiratory Illness among School Children in Hulu Langat District-2001-2003
28. Indoor Air Pollution and Respiratory Health among Children –FK7399-2000-2002
29. Determination of Dioxins (Chemical Carcinogen) Contamination in Ambient Air-2010
30. Assessment of Plastic Bottle Usage among Community in Malaysia Jun 2007-July 2008
31. Assessment of Ambient Air Pollution and Its Impact to Human Health-1997-1999
32. Comparative Study of the Impact of Air Quality on Asthma Patients Jan 1996-Dec 1996
33. Environment and Asthma Patients January 1995-December 1995

On-going

1. Exposure Assessment of Bioaerosol and Leukotriene B4 (LTB4), Resolvins E-series (RvEi) as Biomarkers of Airway Inflammation Among Preschoolers in the Selected Areas of Klang Valley.
2. Health Risk Assessment of School Children Exposed to Urban Traffic-Related Air Pollution (TRAP) and Industrial Pollutants in Klang Valley, Malaysia: A Strategic Model on Prevention and Mitigation
3. Elucidating The Relationship Between Microplastics from Human Samples And DNA Methylation As An Epigenetic Biomarker Among Adults In Selangor
4. Relationship of Benzene Concentration, ECR Benzene, Malondialdehyde, Glutathione, and DNA Methylation in Shoe Industrial Workers
5. Maternal cadmium levels during pregnancy associated with lower birth weight in infants in Brebes Jawa Indonesia
6. Integrated Sustainable Plastic Waste Management Analysis on The Coast of Banyuwangi Regency, East Java Province
7. Elucidation of airborne phthalates effects on the intakes of phthalates in children residing near the industrial areas
8. Exposure to Indoor Microbiome and Its Association with Respiratory Symptoms, Allergic Rhinitis, and Eczema among Pre School-Children in Selected Area in Klang Valley
9. Analysis of Formaldehyde, Total Vocs in Residential Area, Serum Ige and its Association with Respiratory Allergies among Children Aged 13-14 Years in Urban Area
10. The Effect of Glutathione Rich Food on Reducing Free Radicals due to X-Ray Radiation among Radiology Workers

Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	Exposure Assessment of Bioaerosol and Leukotriene B4 (LTB4), Resolvins E-series (RvEi) as Biomarkers of Airway Inflammation Among Preschoolers in the Selected Areas of Klang Valley.	RM103.420	2023	Ministry of Higher Education, FRGS
2.	Health Risk Assessment of School Children Exposed to Urban Traffic-Related Air Pollution (TRAP) and Industrial Pollutants in	RM10,00.000		Grant Putra

Klang Valley, Malaysia: A Strategic Model on Prevention and Mitigation

3.	Elucidating The Relationship Between Microplastics from Human Samples And DNA Methylation As An Epigenetic Biomarker Among Adults In Selangor	RM50,00.000	Grant Putra
4.	Relationship of Benzene Concentration, ECR Benzene, Malondialdehyde, Glutathione, and DNA Methylation in Shoe Industrial Workers	RM 80.000	International Grant Universitas Airlangga and Government Indonesia
5.	Maternal cadmium levels during pregnancy associated with lower birth weight in infants in Brebes Jawa Indonesia	RM 18,000	Universitas Muhamadiyah
6.	Integrated Sustainable Plastic Waste Management Analysis on The Coast of Banyuwangi Regency, East Java Province	RM 20,000	International Grant Universitas Airlangga
7.	Elucidation of airborne phthalates effects on the intakes of phthalates in children residing near the industrial areas	RM 20,000	Swasta - UNIKL
8.	Exposure to Indoor Microbiome and Its Association with Respiratory Symptoms, Allergic Rhinitis, and Eczema among Pre-School Children in Selected Area in Klang Valley	RM15,420.00	Research, Innovation & Postgraduate MAHSA University
9.	Analysis of Formaldehyde, Total Vocs in Residential Area, Serum Ige and its Association with Respiratory Allergies among Children Aged 13-14 Years in Urban Area	RM17,629.61	Ministry of Education, Culture, Research and Technology Airlangga University
10.	The Effect of Glutathione Rich Food on Reducing Free Radicals due to X-Ray Radiation among Radiology Workers	RM17,629.61	Ministry of Education, Culture, Research and Technology Airlangga University
11.	An Intelligent Multifunction Physical Monitoring System	RM23,000.00	Enviromet Technologies Sdn Bhd and UMT
12.	Histone Modification and DNA Methylation as Epigenetic Biomarkers for Exposure to Traffic-Related Air Pollution among Children in Klang Valley	RM161.000.00	Ministry of Higher Education, FRGS
13.	Urban Air Pollution, Oxidative Stress, DNA Damage, dan Genetic Polymorphism among School Children	RM170.000.00	International Collaborative Funding, Indonesia Universitas and Government Indonesia
14.	Determination of Reference Concentration of BTEX Exposure among Workers at Printing Industry Surabaya	RM70.000.00	Universitas Airlangga and Government Indonesia
15.	Effective Dosage CYP2E1, Glisin, and Sulfation in Accelerating Toulena Excretion Causes Nerve Damage and Cancer in Home Industrial Workers	RM90.00.000	University Airlangga & RM MOHE Indonesia

16.	Exposure Assessment of Benzene and Association of Genetic Polymorphisms and Chromosomal Damage among Traffic Policemen in Klang Valley (New 2016 2019)	RM106.900.00	2016 - 2019	Ministry of Education
17.	Association of Respirable Cement Dust Exposure with Fractional Exhale Nitric Oxide (FENO) and Interleukin-8 (IL-8) on Airways Inflammation among Cement Workers in Negeri Sembilan	RM20.0000	2017	Project No: GP IPS/2017/9527 800
18.	Allergy and asthma among school children in Malaysia – Influence of the school environment	RM142.00.00		Individu Berimpak Tinggi- Putra Grant
19.	Genetic Polymorphism in Glutathione (GSTM1 and GSTT1) genes and Methylmercury Levels form a Fish-Eating Pregnant Women in Petaling District, Selangor	RM101 000.00		Ministry of Education
20.	Exposure to Indoor Air Pollution and Respiratory Health Among School Children in Depok Indonesia	RM18,000.00		International Grant Collaboration with Universitas Indonesia
21.	Exposure to Organophosphahate and Effects of Paraoxnase (PON1) Polymorphism on Serum Hormone Level in Paddy Farmers in Tanjung Karang, Malaysia (New Project)	RM15,000.00	2014	GP-IPS/2014/ Putra Grant Siswazah UPM
22.	Indoor Air Quality Factors and Its Respiratory Health Effect Among Secondary School Children in Indonesia. 2016-2017.	RM180.000.00	2016- 2017	Swedish Research Council and United Nation University
23.	Simultaneous Quantification of 14 Commonly Used Pesticides in Personal Air and Blood Samples among Paddy Farmers: Health Impact on Leukocytes Telomere Length	RM 145.00.00		Ministry of Education
24.	Pesticide Health Risk Assessment among Children in Agriculture Areas	RM144.000.00		FRGS

Awards/ Recognition (Current)				
No.	Name of awards	Award Authority	Award Type	Year
1.	Anugerah Setia Putra 2024	Universiti Putra Malaysia	Service award	2024
2.	Best Researcher Penyelidik Berprestasi Tinggi 2023	Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Best Researcher	2023
3.	Travel Grant Award Winner for ISEE Travel Grant Award, 2023	ISEE- International Society of Environmental Epidemiology	Travel Grant Award	2023
4.	Best Supervision Award 2022- Distinction Viva Voce Award	Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Best Supervision Award	2022
5.	Best Supervision Award 2022- Best Publication	Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Best Supervision Award	2022

6.	Gold Medal Research and Innovation (MPI 2022) An Intelligent Pollutants and Physical Monitoring Device (In-2PMD)	Research Management Centre (RMC), Universiti Sultan Zainal Abidin (UniZA)	Research and Innovation	2022
7.	Gold Medal Research and Innovation (MPI 2022) An Integrated Agile Model for Dynamic Management for Temporary Relief (COVID-19)	Research Management Centre (RMC), Universiti Sultan Zainal Abidin (UniZA)	Research and Innovation	2022
8.	Excellence Reviewer 2022 I	The Public Health Science Journal	Reviewer	2022
9.	Best Supervision Award 2022-Publication	Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Supervision Award	2022
10.	Best Researcher Award at Faculty Medicine and Health Sciences 2020 -First Place (Health Sciences)	Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Researcher Award	2021
11.	Gold Medal Research and Innovation (MPI 2021)	Research Management Centre (RMC), Universiti Malaysia Terengganu	Research and Innovation	2021
12.	Best Researcher Award at Faculty Medicine and Health Sciences 2019 -First Place (Health Sciences)	Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Researcher Award	2020
13.	Gold Medal Minggu Penyelidikan dan Inovasi (MPI 2020)	Ministry of Education	Research and Innovation	2020
14.	Silver Medal Minggu Penyelidikan dan Inovasi (MPI 2018)	Ministry of Education	Research and Innovation	2018
15.	Excellence Reviewer 2018 Excellence in Reviewing for Asian Journal of Research in Biochemistry	Journal of Research in Biochemistry	Reviewer	2018
16.	Excellence Reviewer 2018 Excellence in Reviewing for Asian Journal of Research in Biochemistry	Journal of Research in Biochemistry	Reviewer	2018
17.	Best Presentation Award- BAQ 2018 Genotoxicity Among School Children Living Near Busy Road in Kajang	Clean Air Asia (CAA) and MYCAS	Presentation Award-	2018
18.	Best Presentation Award Genotoxicity Among Primary School Children in the Vicinity of Petrochemical Area in Terengganu	Malaysian Clean Air Society Malaysia Air Quality Annual Seminar (MAQAS) held in Putrajaya on July 12, 2017	Presentation Award	2017

19.	Excellent Poster Award Industrial Air Pollutants and Its Association with Airway Inflammation (FeNO) among Primary School Children in Kemaman, Terengganu.	17th IUAPPA World Clean Air Congress and 9th CAA Better Air Quality Conference, Busan, Korea 2016	Poster Award	2016
20.	Best Presenter Award (oral) Association between Air Pollutants with FeNO among Primary School Children at Petrochemical Industries	Advances in Environmental and Engineering Research Conference 2016	Presenter Award	2016
21.	Best Researcher Award First Place 2015 Faculty Excellence Month-26-27 August,	Faculty of Medicine and Health Sciences, UPM Faculty of Medicine and Health Sciences, UPM	Researcher Award	2015
22.	Best Paper Award 2014 School's Indoor Air Quality and Respiratory Health Implications among Children. International Conference on Environmental and Biological Sciences 26-27 September 2014, Krabi, Thailand	American Eurasian Network for Scientific Information (AENSI)	Paper Award	2014
23.	Best Oral Presentation Award - Third Prize FENO as a Biomarker for Respiratory Inflammation among Children in Selangor. Second International Health and Environment Conference 2014 Perdana Resort Kota Bharu Kelantan 27-28 August 2014	Centre of Health Sciences Research Universiti Sains Malaysia	Oral Presentation	2014
24.	Best Poster Award - First Prize Exposure to Indoor PM10 and Volatile Organic Compounds and Its Association with Respiratory Health Among Preschool Children from Urban and Rural Areas in Selangor in International Conference on Environmental Forensic (iENFORCE) on 13-14 Nov 2013 at Marriott Hotel Putrajaya	The Environmental Forensics Research Centre (ENFORCE), Faculty of Environmental Studies, Universiti Putra Malaysia	Poster Award	2013
25.	Best Poster Presentation -First Prize Regional Conference on Occupational Health on 24-25 June 2011 at Seri Pacific Hotel Kuala Lumpur.	Society of Occupational and Environmental Medicine Malaysian Medical Association (SOME-MMA) in Collaboration with SOCSO	Poster Presentation	2011
26.	Best Poster Presenter Award - First Prize Indoor Particulate Matter 2.5 (PM2.5) and Lung	Universiti Kebangsaan Malaysia	Poster Presenter	2011

Function among Children Living Near Busy Road in Cheras, Kuala Lumpur in First International Public Health Conference & Eighteenth National Public Health Colloquium 27th -28th September 2011 at The Legend Hotel Kuala Lumpur

- | | | | | |
|-----|---|---|------------------------|------|
| 27. | Silver Award Evaluation of Two Ergonomics Intervention Programs in Reducing Ergonomics Risk Factors of Musculoskeletal Disorder among School Children in Product Invention & Innovation Exhibition on 20-22 July 2010 at Universiti Putra Malaysia | Research Management Centre (RMC), Universiti Putra Malaysia | Evaluation | 2010 |
| 28. | Best Oral Presentation Award – First Prize Asia Pacific Conference on Risk Management for Preventive Medicine on 20-22 Nov 2007 at Crowne Plaza Hotel Kuala Lumpur | NORMS-National Occupational Risk Management Programme | Oral Presentation | 2007 |
| 29. | Best Poster Award – Second Prize Prevalence of Musculoskeletal Disorders among Malaysian Commercial Vehicle Drivers in 2nd Regional Conference on Occupational Health on 28-30 April 2006 at Crowne Plaza Hotel, Kuala Lumpur | Malaysian Medical Association (SOME) | Poster Award | 2006 |
| 30. | Silver Award Health Promotion Tool in Reducing Musculoskeletal Disorder in Product Invention & Innovation Exhibition at Universiti Putra Malaysia | Research Management Centre (RMC), Universiti Putra Malaysia | Invention & Innovation | 2006 |
| 31. | Gold Award Development of Malaysian's Ergonomics Bus Seat in Product Invention & Innovation Exhibition at Universiti Putra Malaysia | Research Management Centre (RMC), Universiti Putra Malaysia | Invention & Innovation | 2006 |
| 32. | Best Oral Presentation Award - 3rd Prize Exposure to Ultrafine Particle (UFP) and Interleukine-6 Among Public Bus Drivers in Klang Valley in Asia Pacific Conference on Risk | NORMS-National Occupational Risk Management Programme | Oral Presentation | 2005 |

	Management for Preventive Medicine on 1-3 Oct 2005			
33.	Best Poster Presentation - 3rd Prize Relationship of Fine Particle (PM2.5) Exposure to Lung Function among Public Bus Drivers in Klang Valley in Asia Pacific Conference on Risk Management for Preventive Medicine on 1-3 October 2005 Malaysia Society of Risk	Management for Preventive Medicine	Poster Presentation	2005
34.	Best Poster Presentation – 2nd Prize Prevalence of Musculoskeletal Disorders Among Malaysian Commercial Vehicle Drivers in Asia Pacific Conference on Risk Management for Preventive Medicine on 1-3 October 2005	Malaysia Society of Risk Management for Preventive Medicine	Poster Presentation	2005
35.	Best Poster Presentation - First Prize Exposure to Wood Dust and Respiratory Health Implication among Workers in Wood Industry in 6th Sabah Clinical Conference on 4-6 Aug 2004	Department of Health, Sabah	Poster Presentation	2004
36.	Best Paper Publication Award 2003 Exposure to indoor PM10 and Respiratory Health among children in Sungai Siput, Perak in National Public Health Colloquium on October 2003	Malaysian Public Health Physicians' Association, College of Public Health Medicine, Academy of Medicine Malaysia	Paper Publication	2003
37.	Best Poster Presentation Award- First Prize Relationship between Total Antioxidant Status and Lung Function among Glass Factory Workers in National Public Health Colloquium on 24-25 Sept 2002	Malaysian Public Health Physicians' Association, College of Public Health Medicine, Academy of Medicine Malaysia	Poster Presentation	2002
38.	Best Poster Presentation – 2nd Prize The Exposure of HeatStress among Steel Factory Workers, Gurun Kedah in National Public Health Conference on 17-19 April 2001	Malaysian Public Health Physicians' Association, College of Public Health Medicine, Academy of Medicine Malaysia	Poster Presentation	2001
	Excellence Service Award UPM – 2020, 2019, 2018 2014, 2003	Universiti Putra Malaysia	Service Award	2003-2020

Professional Services/ Consultation			
No.	Year	Title	Authority

1.	2021-2022	Consultant for National Clean Air Action Plan for Malaysia- (NCAAP)	DOE, KASA
2.	2019-2021	Indoor Air Quality Assessment for VOCs and NanoTechnology	Azwa Pharma Sdn Bhd and Titanaium Bhd
3.	2019-2020	Air Monitoring at Eco Hill Semenyih	EcoHill
4.	2018 -2019	Respiratory Health Assesment Idaman Pharma Sungai Petani and Sime Darby	Sime Darby
5.	2018	Respiratory Health Assesment at N9 Cement Industries	Cement Industries
6.	2018	Spirometric Assessment at UMW Shah Alam	UMW Shah Alam
7.	2019	Respiratory Assessment at Stolthaven Westport	Stolthaven Westport
8.	2015	Exposure to Respirable Dust and Lung Function at Genting Sanyan and Felda Sg Tinggi.	
9.	2015	Exposure to Respirable Dust and Lung Function at Idaman Pharma and Nippon Steel, Bota, Perak.	
10.	2010	Indoor Air Quality and Sick Building Syndrome in Malaysia – for Kim Chew Communications Best Malaysian PR Awards 2010 (Consumer Launch Campaign of the Year).	
11.	2011	Nippon Odour-less Aircare –Nippon Paint Malaysia	Nippon Paint Malaysia
12.	2009-2010	Assessment of Indoor Air Quality for - PETRONAS & PTM (Pusat Tenaga Malaysia) & Media Prima Berhad Buildings	
13.	2010	Indoor Air Quality Assessment for MedKlinn International Sdn Bhd, Bukit Jelutong Shah Alam Selangor.	MedKlinn International Sdn Bhd
14.	2009	Indoor Air Quality Assessment of Laboratory in Faculty of Medicine & Health Sciences	UPM
15.	2009	Indoor Air Quality Assessment for NIOSH, Bandar Baru Bangi	NIOSH
16.	2009	Indoor Air Quality Assessment -Berjaya Times Square Building.	Berjaya Times Square
17.	2009	Biological Health Risk Assessment of Sewage Operator	
18.		Assesment of Air Quality from Palm Oill Mill Sdn Bhd, Dengkil	Palm Oill Mill Sdn Bhd
19.	1996	Air Pollutants Monitoring at Solid Waste Disposal Site Jinjang Utara Kuala Lumpur	
20.	1996	Data collection for Malaysia GHG inventory (for EDP and ISIS)	Malaysia GHG inventory

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status
1.	Fahimah Hashim	The Interaction of Bioaerosol Indoor Air Pollutants and Respiratory Health: Associations With Leukotriene B4 (LTB4) And Resolvin E1 (Rve1) Among Preschool Children In Klang Valley Region.	New
2.	Albahnasawi Mohammend	Indoor Air Quality and Sick Building Syndrome (SBS): Impacts of Physical, Chemical and Biological Environmental Factors on users in Gaza Strip, Palestine	New
3.	Abdoulhossain Madani	Study of selected environmental and behavioural risk factors for colorectal cancer in Malaysia and Iran.	New

4.	Nahid Sultana	Association of Extreme Heatwaves and Relative Occupational Factors Induce Poor Mental Health among Bangladeshi Workers in Brickfield.	New
5.	Zarith Afzan Sofia	Sick Building Syndrome and Biomarkers for Oxidative Damage among Staffs in UPM	New
6.	Ernie Syazween Junaidi	The Evaluation of Exposure to Benzene among Children in Indoor Environments:	In Progress
7.	Nur Faseeha Suhaimi	Epigenetic Modifications as a Potential Mediator among Children Exposed to Air Pollution	Completed
8.	Noormaliza Hamdan	Exposure to Traffic Related Air Pollutant and Genotoxicity Among Bus Driver in Klang Valley	In Progress
9.	Cynthia Oluchi Owunsereaka	Fungal DNA, Mould, Dampness and Allergens in Schools and Day Care Centers and Respiratory Health	In Progress
10.	Nur Hazirah Hisamuddin	Assessment of DNA Damage Among School Children in the Urban Areas of High Traffic Intensity in Selangor	Completed
11.	Chua Poo Choo	Assessment and Management of IAQ Strategic Model Evaluation on Prevention of Respiratory Illness among Pre-school Children in Selangor	Completed
12.	Shaikha Al Harthi	Exposure to PAH and DNA Damage among Workers in Kemaman, Terengganu	In Progress
13.	Norashikin binti Sopian	Seasonal Distribution of Polyaromatic Hydrocarbon (PAHs) and genotoxicity effect among primary schoolchildren living in the vicinity of petrochemical area in Kemaman, Terengganu	Completed
14.	Noor Haziqah bte Kamaludin	Assessment The Airborne Carcinogenic PAHs and Genotoxicity Effect Among Workers In Terengganu	Completed
15.	Noor Fatihah bt Mohamad Fandi	Benzene Exposure and Genetic Polymorphism urban Traffic Policeman In Klang Valley	Completed
16.	Mumtaz binti Mohd Bohari	Epigenetic Biomarkers of Exposure To Polycyclic Aromatic Hydrocarbons (PAHs)	In Progress
17.	Nor Azzalina Suzianti	Health Risk Assessment and Biomarkers of Exposure to Heavy Metals from Bauxite Mining among School Children in Felda Bukit Goh, Kuantan, Pahang	Completed
18.	Khairul Nizam Mohd Isa	Indoor Air Pollutants in Schools And Their Relationship With Airway Inflammation, Respiratory And Allergic Symptoms Among School Children In Hulu Langat, Malaysia.	Completed

Master with Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Glynn Dexter	Association between Indoor Air Quality (IAQ) and Sick Building Syndrome among workers in Penang, Malaysia	Completed
2.	Mohd Fairus Awang	Exposure to Benzene, Toulene and PM2.5 on Respiratory Health among Traffic Policeman 2017	Completed
3.	Nur Hanisah Fauzan	Exposure to Pahs and Genotoxicity effects among community in industrial area 2016	In Progress
4.	Haroun Zerguine	Occupational injury and illness rates among construction workers in Selangor 2015	Completed
5.	Anis Syafiqah Kamaruddin	Exposure to Industrial Air Pollution and FeNO as Biomarkers for Airways Inflammation 2014	Completed
6.	Sharmadevan Sundrasegaran	Exposure to Pesticide and Genetic Polymorphism among Farmers in Kuala Selangor 2014	In Progress
7.	Nur Faseeha Suhaimi	Exposure to Industrial Air Pollutants and Biomarkers for Airways Inflammation (Sputum Cysteinyl Leukotrienes and FENO) among Primary School Children in Kemaman, Terengganu 2014	Completed
8.	Cynthia Oluchi Owunsereaka	Indoor Moulds and Respiratory Allergy among primary school children: Variation of Indoor Air Pollutants of Preschool in Urban, Rural and Industrial Area in Selangor 2014	Completed
9.	Nuraida Aziz	Indoor Air Quality Assessment and Variation of Indoor Air Pollutants of Preschool in Urban, Industrial and Rural area in Selangor 2013	In Progress
10.	Lovetta Yatta Juanah	Entomological and Ecological Assessment of the Distribution of the Malaria Vector-Female Anopheles Mosquitoes in Serdang, Putrajaya and Bintulu 2010-2012	Completed
11.	Zainudin Zakaria	Exposure to Indoor Air Pollutants Inside Buses and Its Implication To Respiratory Health among Drivers in Klang Valley 2004-2006	Completed
12.	Kavitha A/P Manikam	Exposure to Traffic Air Pollutans and Tumor Necrosis Factor and Interleukin 6 (alpha TNF& IL6) among Bus Driversin Klang Valley 2004-2006	Completed
13.	Sharifah Nazariah Syed Noh	Indoor Exposure to Indoor Air Pollutants and Biomarkers of Inflammation among School Children 2009-2014	Completed

14.	Nurrul Fariza Abd Rahman	Exposure to Indoor Air Pollutants and Respiratory Health among School Children 2009-2012	Completed
15.	Siti Sahartini Hanafi	The Association between Risks Factors and Low Back Pain among Commercial Vehicle Drivers in Peninsular Malaysia 2007-2009	Completed
16.	Salawati Yahya	Indoor Air Pollutants Inside Buses and Its Implication to Respiratory Health among Drivers in Malaysia 2007-2009	Completed

Master without Thesis (Main Supervisor)			
No.	Name	Title	Status
1.			
2.			
3.			

Attended Seminars/ Workshops/ Forums both National and International			
No.	Year	Title	Organizers
1.	2022	ISEE Conference 2023, Kaohsiung Taiwan	National Health Research Institutes, Kaohsiung Medical University & Kaohsiung City Government
2.	2022	Indoor Air Quality and Health in School 25 June 2022	
3.	2022	Asian Aerosol Conference 2022 12-16 June	Asian Aerosol Research Assembly
4.	2022	Internasional Hybrid Webinar, Surabaya Indonesia January 2022	
5.	2022	ICMST 2022 Medical Science Conference 23- 24 November 2022	UNIKL MESTECH
6.	2022	2nd Muhammadiyah International Public Health and Medicine Conference 28-29 July 2022	Universitas Muhammadiyah Jakarta
7.	2022	Plastic Waste Management and Health Impact 24 January 2022	
8.	2021	International Conference in Air Quality and Climate Change 17 - 18 Nov	MyCAS
9.	2021	International Conference on Occupational safety and Health ICOSHE 2021. MSU University 12 August 2021	MSU
10.	2021	World Environmental Health Day 29 September 2021	MAEH
11.	2021	The Inaugural 2021 Malaysian Harm Reduction Forum 16 October 2021	
12.	2021	MAHSA International Conference CHEST 2021 17-18 September	MAHSA
13.	2021	International Conference on Environmental Health, MOH Indonesia 28 November 2021	MOH Indonesia

14.	2021	International e-Seminar 'FMHS UPM's Silver Jubilee: Education and Research Excellence in Diversity June 29, 2021	UPM
15.	2021	Indoor Air Quality and Covid 19 28 April IPSAS Invited Speaker	National Institutes of Health (NIH)
16.	2020	Ist International Conference in Environmental Health, MOH Indonesia 28 November 2020	MOH Indonesia
17.	2020	Climate Change and Health Impact International Webinar January 2020	HAKLI
18.	2020	International Conference on Applications of Air Quality in Science and Engineering 10-12 Feb at State of Kuwait	KISR
19.	2019	Tips and Trick for Scopus Journal Publication (Field: Health, Safety and Environment) 5 May 2019 at Fakultas Kesehatan Masyarakat	UNAIR
20.	2019	Assessing Health Risks for Indoor Air Pollution 27 Jun 2019 at University of the Philippines Diliman	University of the Philippines Diliman
21.	2019	Assessing Health Risks of Indoor Air Pollution 28 Jun 2019 at Batangas State University, Philippines	Batangas State University, Philippines
22.	2019	Seminar Kualiti Persekitaran Dalaman (IEQ) Jabatan Kerja Raya (JKR) 2019 5 Sep 2019 at CREATE Melaka	JKR
23.	2019	World Clean Air Congress WCAC'19 Istanbul Turkey	IUAPPA
24.	2019	7th EFCA International Symposium on Ultrafine Particles Brussels, Belgium	
25.	2019	T&T International Air Quality Symposium and MAQAS Holiday Inn Melaka	MyCAS
26.	2018	Better Air Quality Conference 2018 BCKK, Kuching Sarawak	Clean Air Asia & MyCAS
27.	2018	NEHAP Conference Hotel Bangi - Putrajaya	
28.	2018	Malaysia Air Quality Seminar 2018 (MAQAS) Hotel Bangi - Putrajaya	MyCAS
29.	2018	International Conference on Environmental Forensics Auditorium Rashdan Baba, Office of Deputy Vice Chancellor Complex, Universiti Putra Malaysia, Malaysia 10 September 2018	UPM
30.	2017	Sambutan Hari Kesihatan Persekitaran Sedunia Peringkat Kebangsaan 25 Sep 2017 at INSPEN Kajang, Selangor	MAEH
31.	2017	International Conference on Air Quality and Environmental Sustainability ICAQES2017. UMT, Terengganu August 9-10 2017	UMT
32.	2016	International Conference in Environmental & Occupational Health 2016 (ICEOH 2016) 11-13 Marriott Hotel Putrajaya	DEOH, FMHS
33.	2016	Advances in Environmental and Engineering Research Conference 2016 11-12 May 2016	ICISS
34.	2016	17th IUAPPA World Clean Air Congress and 9th CAA Better Air Quality Conference 28-29 September 2016, Busan, Korea	Clean Air Asia & IUPPA
35.	2015	Seminar between UPM and Universitas Malahayati, Lampung on Haze Disaster Management 10 Mac 2015 at FPSK, UPM	UPM
36.	2015	International Conference on Ergonomics & 1st International Conference on Industrial Engineering, Kuala Lumpur 20 August 2015	UM

37.	2015	International Conference on Environmental Forensic 19-20th August 2015	UPM
38.	2015	Nano Particles Air Monitoring 16th June 2015	
39.	2015	International Conference on Ecology, Environmental sciences and Technology 2015 6 & 7 March 2015, Ammarossa Hotel, Bandung Indonesia	TSI
40.	2014	Seminar Penyelidikan Kelestarian 2014 Geopark Langkawi	LESTARI, UKM
41.	2014	2nd International Health and Environment Conference 2014 27-28 August 2014, Perdana Resort Kota Bharu Kelantan	USM
42.	2014	Workshop on Environmental Chemistry and Climate Change 14-15 July 2014, Universiti Malaya	Universiti Malaya
43.	2014	2nd International Environmental and Occupational Health Conference 27-28 August 2014 at Marriott Hotel Putrajaya, Malaysia	
44.	2014	1st International Conference of Environmental and Occupational Health (ICEOH) 2014 by Department of Environmental and Occupational Health, Universiti Putra Malaysia 8-9 April 2014 at Marriott Hotel Putrajaya, Malaysia	UPM
45.	2014	Pre-Conference Workshop of Environmental Health Impact assessment 7 April 2014 at Marriott Hotel Putrajaya, Malaysia	EOH, FMS
46.	2014	International Conference on Environmental Biological Sciences 2014 26-27 September 2014, Krabi, Thailand	ICEBS
47.	2013	International Conference on Environment and Bioscience (ICEBS 2013) 23-24 November 2013, Phuket, Thailand	
48.	2012	International Society for Environmental Epidemiology East Asia Chapter (ISEE EAC) 2012 Conference 16th -17th October 2012, Renaissance Kuala Lumpur Hotel	MYSEE & ISEE
49.	2012	Pre-Conference Workshop of the ISEE EAC 2012 Conference on Indoor Environment and Health with Special Reference to East Asia 15th October 2012, Renaissance Kuala Lumpur Hotel	ISEE & MYSEE
50.	2011	First International Public Health Conference and Eighteenth National Public Health Colloquium 27-28th September 2011	UKM
51.	2010	Environmental Health Forum 11 Nov 2010, Institut Penyelidikan Perubatan	UKM
52.	2012	International Environment and Health Conference 5-6 June 2012, Hotel Vistana Penang	USM
53.	2012	X2012, the 7th International Conference on the Science of Exposure Assessment 2-5 July 2012, Royal College of Physicians, Edinburgh, UK	BOSH
54.	2010	International Society for Environmental Epidemiology East Asia Chapter (ISEE EAC) Conference 15th– 18th Oktober, Renaissance Kuala Lumpur Hotel	ISEE
55.	2010	2nd National Conference on Environment and Health 2010 17-18 March 2010, Kelantan, Malaysia	USM
56.	2009	International Scientific Conference 6th-8th November 2009, First World Hotel, Genting Highlands Malaysia	MAHSA

57.	2008	15th National Public Health Colloquium 26-27th August 2008, Crown Princess Hotel Kuala Lumpur	
58.	2007	4th Asia Pacific Conference on Risk Management for Preventive Medicine (4th APCRMPM 2007) 2007, Renaissance Kota Bahru Kelantan	USM
59.	2006	13th National Public Health Colloquium 25th -26th July 2006 Crown Princess Hotel, Kuala Lumpur	UKM
60.	2005	Regional Conference on Occupational Medicine 28-29 June 2005, Crowne Plaza Mutiara Kuala Lumpur	NORMS
61.	2001	In Proceeding of Research Symposium of Langat Basin Ecosystem II (SPELL II) 5-6 June 2001, Universiti Kebangsaan Malaysia, Bangi.	Universiti Kebangsaan Malaysia
62.	2008	The Asia-Pacific Health Minister's Conference on Climate Change and Health 18-19 September 2008, Kuala Lumpur	
63.	2007	2nd National Industrial Hygiene Conference (Malaysian Industrial Hygiene Association) 10-11 April 2007, Sheraton Subang Hotel & Tower, Malaysia	Malaysian Industrial Hygiene Association
64.	2006	Ergo Future 2006 International Symposium on Past, Present and Future Ergonomics Occupational Safety and Health University of Udayana Bali, Indonesia 26-30th August 2006	University of Udayana Bali
65.	2008	2nd Asia Pacific Conference on Risk Management for Preventive Measure 1st to 3rd October 2008, Renaissance Hotel, Kota Bharu, Kelantan	USM, IRPA
66.	2005	8th NIOSH Conference and Exhibition on Occupational Safety and Health 28-29 June 2005, World Trade Centre, Kuala Lumpur	NIOSH
67.	2003	Seminar in Occupational Health April 2003, FMHS, UPM	UPM
68.	2002	Lung Function Test and Analysis 15th May, NIOSH Bangi	NIOSH
69.	2002	Audiometric test and analysis 14th May 2002, NIOSH Bangi	NIOSH
70.	1999	Health Risk Assessment April 1999, FMHS UPM	UPM
71.	2005	4th National public Health Conference	UKM
72.	2003	3rd National Public Health Conference	UKM
73.	2002	Kolokium Kebangsaan Kesihatan Masyarakat ke IX	UKM
74.	2000	2nd National Public Health Conference	UKM
75.	1988	Kolokuim Kebangsaan Kesihatan Masyarakat	UKM

Intellectuals Property			
Patent Granted			
No.	Date	Patent No.	Name
1.			
2.			

Patent Field			
No.	Date	Patent No.	Name

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