

CURRICULUM VITAE

Kenobi Isima Morris PhD, CEng, MIMechE

Personal Details

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Education

PhD	2016: Mechanical Engineering, The University of Nottingham. Dissertation supervisors, Prof. Andy Chan and A/Prof. Yousif Abakr , <i>Computational study of Klang Valley's urban climatology and urbanisation of Putrajaya City, Malaysia.</i>
Certificate	2016: Global Environmental Management, Technical University of Denmark - DTU.
BEng	2011: Mechanical Engineering, First Class Honours , The University of Nottingham. Thesis supervisor, Assoc. Prof. Wong Kok Cheong , <i>Jet impingement heat transfer in a microchannel.</i>
Certificate	2008: Foundation in Engineering, School of Foundation Studies, Merit , The University of Nottingham
Certificate	2005/6: Mechanical Engineering, Shell Petroleum Development Company (SPDC) Youth Oil and Gas Training Program, Nigeria.
SSCE	2002: National Examinations Council (NECO), Nigeria.

Employment/Work/Research Experience

07/2018 –	Country (Ghana) Representative , Institution of Mechanical Engineers (IMechE), United Kingdom: <i>Organization and Management of activities of local IMechE members in that country; reporting on country activities & objectives achievement; dialogue and planning with Regional Chair; analysis of current membership data; devise and implement local plan for member development and increase; keep abreast of national events (via local media) that would give rise to potential members; keep abreast and report on similar organizations that are operating in the country; report quarterly on activities; report on objectives; and receive queries from the “Near You” site and allocate appropriately.</i>
03/2018 –	Consultant , Academic writing and publishing, Enago (Crimson Interactive): <i>Provide 1-on-1 video-based consultation on academic writing and publishing to researchers and graduate students.</i>
2017 –	Lecturer , Faculty of Engineering, Ashesi University College, Ghana: <i>Academic teaching, carrying out research and related activities such as lecturing, tutoring, supervising, marking, practical demonstrations, organizing workshops, developing course materials and drafting of curriculum, students field excursions, serving on committees, attending departmental and faculty meetings, students mentoring, etc.</i>
2016 – 17	Research Associate , The University of Nottingham: (1) <i>Coupled interactions and impacts of urbanization, haze episodes, heatwaves, and anthropogenic heat release on regional climate, air pollutants dispersion, thermal comfort, and agricultural produce; and (2) developing guidelines and standards for</i>

- retrofit and future sustainable development strategies for mitigation of urban conditions and air pollution in the state of Selangor.*
- 2016 – 17 **Freelance Editor**, Centre of Excellence for Engineering and Technology, Cactus Communications: *Providing support services to authors, including but not limited to, language editing, scientific content review, journal selection, reviewing technical reports, and scientific manuscripts writing.*
- 2015 – 16 **Postdoctoral Research Fellow**, The University of Nottingham Malaysia Campus, (Supervisor, **Prof. Andy Chan**, *Urbanization of Klang Valley and Regional Climate Change*). *Study the effect of urbanisation level on regional climate and human thermal comfort using statistical analyses and comfort indices.*
- 2012 – **Founder and Lead Researcher** of UNMC-WRF Research Group, University of Nottingham Malaysia Campus: *Developing, coordinating, monitoring and evaluating research activities. Part of my responsibilities includes identifying and establishing research collaborations that will further the group research goals and benefit the group and as well the University of Nottingham.*
- 2011 – 15 **Teaching & Research assistant**, The University of Nottingham Malaysia Campus; *Teaching and designated research activities. Laboratory demonstrations, including scheduling, and marking of lab reports; administration of tutorial classes; assistance in projects supervision for BEng, MEng, and MSc; students guide during excursions; conference PowerPoint presentation and journal article preparations. Teaching and laboratory activities here include, but not limited to, Fluid Dynamics, Heat transfer, Solid of Mechanics and Mechanics of Solids, Thermodynamics, Engineering Mathematics, Material Science related modules, Control and instrumentation, Structural vibration, Design and Manufacturing, and Machine dynamics.*
- 2010 **Summer internship**, The University of Nottingham Malaysia Campus, Supervisor, **Assoc Prof W. K Cheong**, (1) *Coanda effect, flow pattern and lift effect on Unmanned Aerial Vehicle. Here, I study the effect numerically using Computational Fluid Dynamics (CFD) and GAMBIT. (2) On the supervision of Dr W. K Cheong, I also work briefly to investigate the causes of inaccuracy observed in the experimental results when using the University's (University of Nottingham Malaysia Campus) installed wind turbine equipment. I successfully recommended solutions which were implemented to solve the problem of turbulence and back pressure causing the inconsistency in results.*
- 2006 **Four months Students Work Experience Scheme (SIWES)**, Akpos Marine Limited, Abuloma, Port Harcourt, Rivers State, Nigeria.

Invited Presentations/Consultations

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- 2017 Speaker on “Sustainable urban development strategies: A compromise between economic cost, thermal comfort, air quality, and ambient temperature reduction in ASEAN cities – The case of Klang Valley, Malaysia, in a tropical urban climate” at the *R & D Congress on Sustainable Urbanization in the Course of ASEAN Economic Integration*, 26 – 30 June 2017, Sofitel Philippine Plaza, Manila, Philippines.
- 2017 Keynote Presentation on Urbanisation, Urban heat island, and Thermal Comfort: The case of Klang Valley and Putrajaya city, Malaysia. University of Nottingham, 5th April 2017.
- 2016 Consultation with the Department of Housing, Selangor, Malaysia: Propose measures and urban retrofits to reduce incidence of frequent thunderstorms and to improve air quality of a highly dense city in Selangor, Malaysia
- 2016 Consultation with the Ministry of Science, Technology and Innovation (MOSTI), Malaysia: Validation and valuation of the effectiveness of the garden city concept used in the construction of the Putrajaya city, which cost more than USD 8 Billion.
- 2016 Briefing on the effect of urbanisation on the environment, Selangor Department of Housing and Property, 24th Feb 2016. The outcome (of the

2013 briefing) was a consultation contract with financial benefits.
 Urbanisation and urban heat island in Malaysia, Malaysia Department of Meteorology.

Projects and Students supervised, University of Nottingham Malaysia Campus, UNIM

2016 – 17 **Stephanie Ifeoma Okogba** (BEng in Env. Sci.): Impact of land use/cover changes on the human thermal environment and urban climate of Delta State, Nigeria.

2016 – 17 **Robin Lai Chiong Sun** (MEng in Civil Eng): Review and systematic investigation of Climatology of Selangor in an effort to provide solutions to recurring extreme climate events in the region.

2016 – 17 **Lim Chun Yan** (MEng in Civil Eng): Formulation of urban development and planning strategies for retrofit and future urban development to supplement existing urban development guidelines in Selangor.

2015 – 16 **Phang Ching Kiat** (MEng in Civil Engineering): *Effect of urbanisation on postharvest losses of Tomatoes in Klang Valley, Malaysia.*

2013 – 14 **Lee Chian Fang** (MEng in Civil Engineering): *Planting and Vegetation as Mitigation Measures of Urban Heat Island in Kuala Lumpur.*

2012 – 13 **Lye Chit Bin** (MEng in Civil Engineering): *Urban Green Roof as a measure of urban heat island mitigation.*

2011 – 12 **Liu Chen** (MSc in Civil Engineering): *Factors influencing formation of UHI.*

Academic/Professional Awards/Grants

2017 "Best Paper Award" at the 3rd International Conference on Research Methodology for Built Environment and Engineering (ICRM BEE 2017) held on the 8-9 November 2017. It was organised by Universiti Teknologi MARA (UiTM) at the Best Western Hotel i-City, Shah Alam, Malaysia.

2017 Full Scholarship from the Philippines Department of Environment and Natural Resources, Ecosystems Research and Development Bureau to deliver a research talk at the *R & D Congress on Sustainable Urbanisation in ASEAN cities and Economic Integration*

2017 Outstanding Reviewer Award for Reviews in Environmental Research Letters in 2016

2016 Postdoctoral Research Associate at the University of Nottingham

2016 Design of standards and guidelines for climatic conditions for future urban development in Selangor, Malaysia (RM97,986.40)

2015 Faculty of Engineering funding for short investigation/research on Klang Valley urbanisation and regional climate change (RM20,000).

2015 Outstanding Contribution in Reviewing for *Sustainable Cities and Society*

2013 Faculty of Engineering Academic Excellent Scholarship, UNIM, Malaysia

2012 Faculty of Engineering Research Training/Travel Grant Award.

2011 The University of Nottingham Malaysia Campus Academic Excellent Scholarship (for PhD program) in recognition of academic achievements

2007 Rivers State Governor's Special Overseas scholarship Award.

2004 Shell Petroleum Development Company of Nigeria (SPDC) skill scholarship.

Training/Skills

2017 Nottingham Dignity at Work Policy Training, Imago Consultancy & Training Sdn Bhd, Malaysia

2012 Weather Research & Forecasting Model (WRF) (NCAR, Boulder, CO. USA)
 WRF Chemistry (WRF-CHEM) (NCAR, Boulder, CO. USA)
 WRF Data assimilation (WRFDA) (NCAR, Boulder, CO. USA)

2011 Research methodology; Safety, teaching, marking & assessment; and laboratory demonstration in practical (UNIM, Malaysia)

2011 – 15 Working effectively in research (UNIM)
 Data collection and analysis (UNIM)

Planning and time management (UNIM)
 Research proposal writing (UNIM)
 Presentation Skills (UNIM)
 Anatomy of a good thesis (UNIM)
 Research communication (UNIM)
 Critical thinking (UNIM)
 Project management (UNIM)
 Anatomy of a good journal (UNIM)
 Use of Mendeley and Endnote (UNIM)
 2008 Basic Arc Welding, CIAST, Selangor, Malaysia
 2006 Five Standards of Training, Certification and Watchkeeping (STCW, 1995)
 Certificates, Maritime Academy of Nigeria, Oron, Nigeria

- Basic fire prevention and firefighting certificate (MAN/EFA/NO.6052)
- Personal safety and social responsibility certificate (MAN/EFA/NO.4703)
- Oil tanker familiarization certificate (MAN/OTF/NO.0552)
- Elementary first aid certificate (MAN/EFA/NO.5459)
- Certificate in personal survival techniques (MAN/PST/NO.5795)

Basic Knowledge

NCAR Command Language (NCL)
 Computational Fluid Dynamics (CFD)

- ANSYS Suite

 Geographic information systems (GIS)
 Remote Sensing
 Fortran
 Matlab
 Linux OS
 Pro Engineer (PTC Creo)
 NetCDF operators (NCOs)
 Climate Data Operators (CDO) - Unidata
 Excel and Microsoft Suite
 ArcGIS Suite

Research Interests

- Energy meteorology – using numerical models such as WRF to predict energy potentials of a given region and daily forecast of sun intensity, wind speed and direction.
- Fluid Dynamics and Thermodynamics
- Long range pollutants dispersion and transport
- Interaction of human-induced climate change and natural climate variability
- Agrometeorology - climate change and food security
- Climate change impacts, adaptation, and resilience
- Interaction of urbanisation and pollutants dispersion
- Land use-cover changes and impacts on regional transport
- Urban heat island mitigation, through city design and urban greening approach

Professional memberships

2017 – Chartered Engineer (CEng), Engineering Council (EngC), (Registrant Number: 645605)
 2016 – The IAENG Society of Industrial Engineering (Member, 137362)
 2016 – The IAENG Society of Mechanical Engineering (Member, 137362)
 2016 – Urban Climate Change Research Network (UCCRN), (Member)
 2013 – International Association of Engineers (IAENG), (Member, 137362)
 2013 – International Association for Urban Climate (IAUC), (Member)
 2011 – Institution of Mechanical Engineers (IMechE), UK (Member, 80140450)

Professional/community services

Educational/leadership

- 2018 – Member, Academic Program Committee, Ashesi University College
- 2016 – 16 Organising Committee Member of the **10th 7SEAS Workshop on Transboundary Haze**, 21st to 24th September 2016 at Angkasa (National Space Centre, Banting, Malaysia), in collaborations with National Aeronautics and Space Administration (NASA), USA; Office of Naval Research, USA; Naval Research Laboratory, USA; Malaysia Meteorological Department (MMD), Malaysia; Ministry of Science, Technology and Innovation (MOSTI), Malaysia; *etc.*
- 2012 – Founder and lead Researcher, UNMC-WRF Research Group
- 2013 – 13 Committee co-chair, UNIM 2013 Postgraduate Research Week
- 2010 – 11 Course representative (Module Convenor, **Dr. Md Enamul Hoque**, *Materials Models and Modes of Failure*)

Peer-review activities: Manuscripts

- 2015 – Environmental Research Letters, IOPscience
- 2015 – Sustainable Cities and Society, Elsevier BV
- 2015 – Urban Climate, Elsevier BV
- 2016 – Area Development and Policy, Taylor & Francis Online
- 2016 – Atmospheric Research, Elsevier BV
- 2016 – Energy and Buildings, Elsevier BV
- 2017 – Egyptian Journal of Remote Sensing and Space Sciences, Elsevier BV
- 2017 – Ecological Indicators, Elsevier BV
- 2017 – Spatial Information Research, Nature Springer
- 2018 – Atmospheric Environment, Elsevier BV
- 2018 – Building and Environment, Elsevier BV
- 2018 – Science of the Total Environment, Elsevier BV

PUBLICATIONS

I. JOURNAL PAPERS – PUBLISHED (PEER-REVIEWED)

1. M.C.G. Ooi, A. Chan, M.J. Ashfold, M.Y. Oozeer, **K.I. Morris**, S.S.K. Kong. The role of land use on the local climate and air quality during calm inter-monsoon in a tropical city. *Geoscience Frontiers* (ELSEVIER BV), 2018. DOI: 10.1016/j.gsf.2018.04.005. (**Q1, IF = 4.256**)
2. M.S.M. Nadzir, M.J. Ashfold, M.F. Khan, M.T. Latif, A.D. Robinson, C. Bolas, B.M. Wallis, M.I. Mead, H.H.A. Hamid, N.R. Harris, Z.T.A. Ramly, T.L. Goh, J.N. Liew, F. Ahamad, R. Uning, A.A. Samah, K.N. Maulud, W. Suparta, M.I.A. Wahab, M. Sahani, M. Muller, S.Y. Foong, N.A. Rahman; A. Mujahid; **K.I. Morris**, N.D. Sasso. Spatial-temporal variations in surface ozone over Ushuaia and the Antarctic region: observations from in situ measurements, satellite data, and global models. *Environmental Science and Pollution Research* (NATURE SPRINGER), 25(3), PP. 2194 – 2210, 2018. (**Q2, IF= 2.741**)
3. M.C.G. Ooi, A. Chan, K. Subramaniam, **K.I. Morris**, M.Y. Oozeer. Interaction of urban heating and local winds during the calm inter-monsoon seasons in the tropics. *Journal of Geophysical Research: Atmosphere* (AGU PUBLICATIONS), 122 (21), pp. 11499 – 11523, 2017. (**Q1, IF = 3.454**)
4. **K.I. Morris**, A. Chan, K.J.K. Morris, M.C.G. Ooi, M.Y. Oozeer, Y.A. Abakr, M.S.M. Nadzir, I.Y. Mohammed, H.F. Al-qrimli. Impact of urbanization level on the interactions of urban area, the urban climate, and human thermal comfort. *Applied Geography* (ELSEVIER BV), 79, pp. 50 – 72, 2017. (**Q1, IF = 2.687**)
5. I.Y. Mohammed, Y.A. Abakr, J.N.X. Hui, P.A. Alaba. **K.I. Morris**, M.D. Ibrahim. Recovery of clean energy precursors from Bambara groundnut waste via pyrolysis: Kinetics, products distribution and optimisation using response surface methodology. *Journal of Cleaner Production* (ELSEVIER BV), 164, pp. 1430 – 1445, 2017. (**Q1, IF = 5.715**)
6. **K.I. Morris**, A. Chan, K.J.K. Morris, M.C.G. Ooi, M.Y. Oozeer, Y.A. Abakr, M.S.M. Nadzir, I.Y. Mohammed. Urbanisation and urban climate of a tropical conurbation, Klang Valley,

- Malaysia. *Urban Climate* (ELSEVIER BV), 19, pp. 54 – 71, 2017. (**Q1, IF = 2.09**)
7. I.Y. Mohammed, Y.A. Abakr, S. Yusup, P.A. Alaba, **K.I. Morris**, Y.M. Sani, F.K. Kazi. Upgrading of Napier grass pyrolytic oil using microporous and hierarchical mesoporous zeolites: Products distribution, composition and reaction pathways. *Journal of Cleaner Production* (ELSEVIER BV), 162, pp. 817 – 829, 2017. (**Q1, IF = 5.715**)
 8. M.C.G. Ooi, A. Chan, M.Y. Oozeer, **K.I. Morris**, M. Ashfold. Numerical study on effect of urban heating on local climate during calm inter-monsoon period in Greater Kuala Lumpur, Malaysia. *Urban Climate* (ELSEVIER BV), 20, pp. 228 – 250, 2017. (**Q1, IF = 2.09**)
 9. F.Z. Hiung, H.F. Al-Qrimli, **K.I. Morris**. Implementation of XFEM in the study of gear crack propagation behaviour using the SIF on different moments. *International Journal of Simulation and Process Modelling* (INDERSCIENCE PUBLISHERS), 12(3/4), pp. 362-368 2017. (**Q3, IF = 1.36**)
 10. **K.I. Morris**, A. Chan, M.C.G. Ooi, M.Y. Oozeer, Y.A. Abakr, K.J.K. Morris. Effect of vegetation and waterbody on the garden city concept: An evaluation study using a newly developed city, Putrajaya, Malaysia. *Computers, Environment and Urban Systems* (ELSEVIER BV), 58, pp. 39 – 51, 2016. (**Q1, IF = 2.659**)
 11. **K.I. Morris**, A. Chan, M.C-G. Ooi, S. Aekbal Salleh, Y.A. Abakr, M.Y. Oozeer. Numerical study on the urbanisation of Putrajaya and its interaction with the local climate, over a decade. *Urban Climate* (ELSEVIER BV), 16, pp. 1 - 24, 2016. (**Q1, IF = 2.09**)
 12. M.Y. Oozeer, A. Chan, M.C-G. Ooi, A.M. Zarzur, S.V. Salinas, B-N. Chew, **K.I. Morris**, W-K. Choong. Numerical Study of the Transport and Convective Mechanisms of Biomass Burning Haze in South-Southeast Asia. *Aerosol and Air Quality Research* (AAGR) 16(11), pp. 2950-2963, 2016. (**Q2, IF = 2.606**)
 13. **K.I. Morris**, S. Aekbal Salleh, A. Chan, M.C.G. Ooi, Y.A. Abakr, M. Y. Oozeer, M. Duda. Computational study of urban heat island of Putrajaya, Malaysia. *Sustainable Cities and Society* (ELSEVIER BV), 19, pp. 359 – 372, 2015. (**Q1, IF = 1.777**)
 14. **K.I. Morris**, S. Aekbal Salleh, A. Chan, M.C.G. Ooi, Y.A. Abakr, M.Y. Oozeer, M. Duda. Integrating Weather Research and Forecasting Model, Noah Land Surface Model and Urban Canopy Model for Urban Heat Island Effect Assessment. *British Journal of Environment and Climate Change* (SCIENCEDOMAIN International), 5(3), pp. 231 - 253, 2015.
 15. S.A. Salleh, Z.A. Latif, A. Chan, **K.I. Morris**, M.C.G. Ooi, W.M.N.W. Mohd. Weather Research and Forecast (WRF) Model Modification of Land Surface Albedo Simulations for Urban Near Surface Temperature. *The 2015 International Conference on Space Science and Communication* (IEEE IconSpace2015), pp. 243-247, 2015.

II. CONFERENCE PAPERS AND WORKSHOP PRESENTATIONS

16. M.C.G Ooi, A. Chan, S. Kumaraenthiran, **K.I. Morris**, M.Y. Oozeer, M.A. Islam, S.A. Salleh. Comparison of WRF Local and Nonlocal Boundary Layer Physics in Greater Kuala Lumpur, Malaysia. *IOP Conference Series: Earth and Environmental Science* (IOPScience), 117(1), pp. 12015, 2018. (**IF = 0.4**)
17. M.C.G Ooi, A. Chan, S. Kumaraenthiran, **K.I. Morris**, M.Y. Oozeer, M.A. Islam, S.A. Salleh. Performance of WRF boundary layer physics in Greater Kuala Lumpur, Malaysia. *3rd International Conference on Research Methodology for Built Environment and Engineering 2017 (ICRMEE2017)*, 8 – 9 November, 2017, Best Western Hotel i-City, Shah Alam, Malaysia. <https://www.nottingham.edu.my/Engineering/Newsitems/Best-Paper-Award.aspx>
18. **K.I. Morris**, A. Chan, K.J.K. Morris, H.F. Al-Qrimli, M.C.G Ooi, M.Y. Oozeer, Y.A. Abakr, M.S.M. Nadzri. Sustainable urban development strategies in a tropical urban climate – Klang Valley, Malaysia: A compromise between economic cost, thermal comfort, and ambient temperature reduction in ASEAN cities. *R & D Congress on Sustainable Urbanization in the Course of ASEAN Economic Integration*, 26 – 30 June, 2017, Sofitel Philippine Plaza, Manila,

Philippines.

19. M.Y. Oozeer, A. Chan, M.C.G. Ooi, **K.I. Morris**. A case study of the uncharacteristic June 2013 haze episode: effect of tropical cyclone. *10th 7SEAS Annual Workshop: International workshop of Technologies and Science on Transboundary Haze*, 2016, National Space Agency (ANGKASA), Banting, Selangor, Malaysia.
20. M.C-G. Ooi, A. Chan, S.A. Salleh, M.Y. Oozeer, **K.I. Morris**. Temperature response of boundary layer schemes on urbanization level of Klang Valley, Malaysia. *12th Annual Meeting: Asia Oceania Geoscience Society (AOGS) Together with 7th APHW*, 2015, Singapore, pp. AS28-A022.
21. **Morris, K.I.** M.C-G. Ooi, A. Chan, Y.A Abakr, S.A. Salleh, M.Y. Oozeer, M.Duda. Numerical study on urban heat island of the city of Kuala Lumpur, Malaysia, using weather research and forecasting (WRF) model. *Urban Environmental Pollution 2014: Climate Change and Urban Environment*, 2014, Sheraton Centre, Toronto, Canada, pp. P2.05.
22. M.Y. Oozeer, M.C.G. Ooi, **K.I. Morris**, A. Chan, A.M. Zarzur. A numerical study of the transport and convective mechanisms of biomass burning haze in South Southeast Asia. *Urban Environmental Pollution 2014: Climate Change and Urban Environment*, 2014, Sheraton Centre, Toronto, Canada, pp. P1.05.
23. M.C.G. Ooi, **K.I. Morris**, M.Y. Oozeer, A. Chan, S.A. Salleh. Investigation of urban heat island phenomenon and ozone formation in Putrajaya, Malaysia using multiple regression analysis and numerical weather prediction (WRF-CHEM). *Urban Environmental Pollution 2014: Climate Change and Urban Environment*, 2014, Sheraton Centre, Toronto, Canada, pp. P2.07.
24. **Morris, K.I.** M.C-G. Ooi, A. Chan, Y.A Abakr, S.A. Salleh, M.Duda. Urban heat island of Putrajaya. In *Proceedings of 2nd Postgraduate Colloquium for Environmental Research 2013 (POCER2013)* held in Genting Highland, 28th – 29th June, pp. ID-083. Awana Hotels and Resorts, Genting Highland, Malaysia.
25. **Morris, K.I.** M.C-G. Ooi, A. Chan, Y.A Abakr, S.A. Salleh, M.Duda. Influence of Urbanisation on Urban Heat Island Effects in Putrajaya, Malaysia. In *Proceedings of 12th International Conference on Atmospheric Sciences and Applications to Air Quality* held in Seoul, 3rd – 5th June 2013, edited, Chung, Y.S. & Yoon, S.C., pp. S8-1. Seoul, Seoul National University and Korea Centre for Atmospheric Research.
26. **Morris, K.I.** M.C-G. Ooi, A. Chan, Y.A Abakr, S.A. Salleh. Urbanisation and Urban Heat Island (I): The Putrajaya case study. Poster presentations, *Malaysia Aerospace Mission Workshop*, March 18-22, 2013, KLTC Kuala Lumpur, Malaysia.

III. JOURNAL PAPERS – UNDER REVIEW (PEER-REVIEWED)

27. M.Y. Oozeer, A. Chan, J. Wang, J. Reid, S. Salinas-Cortijo, M. Ooi, **K.I. Morris**, M. Ashfold. The uncharacteristic occurrence of the June 2013 biomass-burning haze event in Southeast Asia: Effects of the Madden-Julian Oscillation and tropical cyclone activity. *Atmospheric Environment*, 2018. (Submitted for Initial Review)
28. **K.I. Morris**, A. Chan, K.J.K. Morris, Y.A. Abakr, I.Y. Mohammed, M.S.M. Nadzir, H.F.A. Al-Qrimili. The economic cost of urban heat island in a tropical conurbation, Klang Valley, Malaysia. *Journal of Environmental Management (ELSEVIER BV)*, 2017. (Submitted for Initial Review)
29. **K.I. Morris**, A. Chan, K.J.K. Morris, Y.A. Abakr, M.S.M. Nadzir, I.Y. Mohammed, H.F. Al-Qrimli. Exploratory study on the implications of urbanisation and urban heat island on energy consumption and thermal comfort in a tropical conurbation, Greater Kuala Lumpur, Malaysia. *Computers, Environment and Urban Systems (ELSEVIER BV)*, 2017. (Submitted for Initial Review)
30. **K.I. Morris**, A. Chan, K.J.K. Morris, Y.A. Abakr, I.Y. Mohammed, M.S.M. Nadzir, H.F.A. Al-Qrimili. Effects of urbanization on a tropical environment: The Klang Valley, Malaysia. *Landscape and Urban Planning (ELSEVIER BV)*, 2017. (Under Revision)

31. M.S.M. Nadzir, M.J. Ashfold, M.F. Khan, M.T. Latif, A.D. Robinson, C. Bolas, B.M. Wallis, M.I. Mead, H.H.A. Hamid, N.R. Harris, Z.T.A. Ramly, T.L. Goh, J.N. Liew, F. Ahamad, R. Uning, A.A. Samah, K.N. Maulud, W. Suparta, M.I.A. Wahab, M. Sahani, M. Muller, S.Y. Foong, N.A. Rahman; A. Mujahid; **K.I. Morris**, N.D. Sasso. The temporal and spatial distribution of surface ozone in the marine boundary layer of Ushuaia, the Drake Passage and the Antarctic Peninsula. *Marine Pollution Bulletin* (ELSEVIER BV), 2017. (Submitted for Initial Review)

Writing in Progress

Morris, K.I et al.,	Effect of urbanisation on local and regional climate change; initiation and modification of thunderstorm.
Morris, K.I. et al.,	Climate change impact on agricultural yield and postharvest losses
Morris, K.I. et al.,	Interactions of urban heat island and heatwaves: Impact on urban bioclimate
Morris, K.I. et al.,	Tropical urban meteorology: WRF sensitivity study