

# Curriculum Vitae



## KOH Tieh Yong

Weather and Climate Scientist, Theoretical Physicist,  
Sustainability Science Educator, Environmental Science Consultant

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### Education Qualifications

PhD (Atmospheric Science), Massachusetts Institute of Technology, 2001

MASt (Mathematics: Theoretical Physics), University of Cambridge, 2024

BSc Hons I (Physics), Imperial College London, 1994

### Academic and Professional Experience

- 2025 – **present** Adjunct Associate Professor, Department of Physics, Faculty of Science, National University of Singapore
- 2024 – **present** Associate Professor (part-time), School of Science and Technology, Singapore University of Social Sciences
- 2021 – 2023 Associate Professor, School of Science and Technology, Singapore University of Social Sciences
- 2017 – 2021 Associate Professor, Centre for University Core, College of Lifelong and Experiential Learning, Singapore University of Social Sciences (\*renamed from SIM University)
- 2016 – 2017 Associate Professor, UniSIM College, SIM University
- 2015 – 2016 Associate Professor (with tenure), Asian School of the Environment, Nanyang Technological University (NTU)
- 2013 – 2015 Associate Professor (with tenure), School of Physical & Mathematical Sciences, NTU
- 2009 – 2016 Principal Investigator, Earth Observatory of Singapore, NTU
- 2008 – 2017 Co-Investigator, Center for Environmental Sensing and Modeling (CENSAM), Singapore-MIT Alliance for Research and Technology (SMART)
- 2005 – 2014 Principal Investigator, Temasek Laboratories, NTU
- 2004 – 2013 Assistant Professor, School of Physical & Mathematical Sciences, NTU
- 2001 – 2004 Research Scientist (A), Temasek Laboratories, National University of Singapore (NUS)
- 2001 Visiting Scientist, Laboratoire de Météorologie Dynamique (LMD), Ecole Polytechnique

### Current Professional Affiliations

- 2016 – **present** Member (2022 – 2025: Co-chair), [Working Group on Asian-Australian Monsoons](#), CLIVAR/GEWEX Monsoons Panel, World Climate Research Programme, World Meteorological Organisation
- 2022 – **present** Provisional Member, Asia Pacific Institute of Experts
- 2023 – **present** Expert, registered in [List of Experts](#), Intellectual Property Office of Singapore
- 2024 – **present** Expert, registered in [List of Neutrals](#), World Intellectual Property Organization.

### Consultancy Experience

- 2022 - 2023 Consultant, Weather Incident Investigation, Pan-United Concrete Pte Ltd, Singapore
- 2021 Instructor, Training Course on Climate for Secondary and Pre-university Geography Teachers, Academy of Singapore Teachers, Ministry of Education, Singapore
- 2020 Consultant and Contributor, "[ASEAN State of Climate Change Report](#)", Institute of Global Environmental Strategies, Bangkok, Thailand / Centre for International Law, National University of Singapore, Singapore (commissioned by ASEAN Working Group on Climate Change)
- 2014 – 2015 Project Consultant, "Development of Weather Database in Singapore for Atmospheric Dispersion Modelling", DSO National Laboratories, Singapore
- 2012 Project Consultant, "Sensitivity of Dispersion Modelling Results to Perturbations in Wind Magnitude", DSO National Laboratories, Singapore

### Awards and Honours

- 2013 [Nanyang Education Award](#), Nanyang Technological University
- 2012 [Koh Boon Hwee Scholars Award](#), Nanyang Technological University (honoured by student Ng Huei Ying Nelly)
- 2011 [Koh Boon Hwee Scholars Award](#), Nanyang Technological University (honoured twice, independently by students Wang Shengtao and Chiang Qi Ming Aron)
- 1996 – 1999 Jule Charney Prize, Massachusetts Institute of Technology
- 1994 Granville Prize, University of London
- 1994 Governors' Prize, Imperial College London

### Selection of Courses Taught at University Level

- 2026 Climate Science and Climate Change Fundamentals
- 2025 – 2026 Advanced Linear Algebra
- 2024 – 2025 Linear Algebra
- 2023 Multivariate Calculus
- 2022 Mathematical Methods II: Laplace & Fourier Transforms, Linear 2<sup>nd</sup> Order ODE/PDE
- 2022 Mathematical Methods I: Linear Algebra & Linear 1<sup>st</sup> Order ODE
- 2022 Enterprise Leadership for Transformation 03, Session 10 - Sustainable Energy and Carbon Mitigation Policies

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| 2021        | Executive Management Programme 06, Session 10 - Why Do Good: Sustainable Development |
| 2019 – 2021 | Science for Sustainability   |
| 2017 – 2018 | Sustainability and Technology  |
| 2014 – 2016 | Climate and Climate Change   |
| 2008 – 2010 | Atmospheric Physics  |
| 2007        | Statistical Mechanics  |
| 2006 – 2013 | Classical Mechanics  |
| 2005        | Complex Methods for the Sciences   |
| 2005        | Calculus for the Sciences I  |

### **Selection of Past Professional Activities (Scientific Profession)**

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| 2025 May – July<br>& 2025 Dec | Visiting Scientist, Department of Atmospheric Sciences, National Taiwan University   |
| 2024 – 2025                   | Member, International Scientific Committee, 8 <sup>th</sup> WMO International Workshop on Monsoons (IWM-8).  |
| 2022                          | Invited Participant, “Geopolitics and Domestic Policy Implications of Climate Change”, Inaugural LKYSPP Strategic Roundtable with Prime Minister’s Office Strategy Group and National Climate Change Secretariat, Lee Kuan Yew School of Public Policy (LKYSPP), National University of Singapore, Singapore |
| 2022                          | Accredited Participant, Asia Pacific Institute of Experts Membership Accreditation Course 2022, Singapore  |
| 2022                          | Invited Speaker, 18 <sup>th</sup> ASEAN Climate Outlook Forum, Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)   |
| 2021                          | Invited Panellist, Conversations on “UN Sustainable Development Goals” and “Climate Change (UN IPCC A6R)”, 18th Annual Meeting, Asia-Oceania Geosciences Society, Singapore  |
| 2021                          | Invited Speaker, “Weather Prediction by Numerical Methods Module 2” Workshop, Meteorological Service Singapore and ASEAN Specialised Meteorological Centre   |
| 2021                          | Invited Speaker, Third Workshop on ASEAN Regional Climate Data, Analysis and Projections, Meteorological Service Singapore and ASEAN Specialised Meteorological Centre   |
| 2021 - 2023                   | Lead Coordinator, Sustainability Cluster @ SUSS, Singapore University of Social Sciences   |
| 2017 – 2020                   | Member, <a href="#">Stratospheric and Tropospheric Influences on Tropical Convective Systems</a> , Stratosphere-Troposphere Processes and their Role in Climate, World Climate Research Programme, World Meteorological Organisation   |
| 2016 – 2024                   | Editor, Scientific Online Letters on the Atmosphere, Meteorological Society of Japan   |
| 2015                          | Invited Speaker, <a href="#">International Student Energy Summit</a>   |

- 2014 – 2023 Member, [Madden-Julian Oscillation Task Force](#), Working Group on Numerical Experimentation, World Meteorological Organisation
- 2013 [Expert Reviewer](#), 5<sup>th</sup> Assessment Report, Working Group 1, [Inter-governmental Panel for Climate Change](#)
- 2012 Member, [Climate Science Experts Network](#), Meteorological Service Singapore
- 2012 Reviewer, White Paper for Competitive Research Programme (CRP) 10th Call-for-Proposals, National Research Foundation, Singapore
- 2012 Editor, Advances in Geosciences, Vol. 28 - Atmospheric Science and Ocean Science
- 2011 Editor, Advances in Geosciences, Vol. 22 - Atmospheric Science
- 2010 – 2022 Secretary, Atmospheric Sciences Section, [Asia-Oceania Geosciences Society](#)
- 2010 Contributor, [WWRP/WGNE Joint Working Group on Forecast Verification Research](#), WWRP-WCRP, World Meteorological Organization
- 2004 Conference Publication Chair, 2nd Annual Meeting, Asia-Oceania Geosciences Society
- 2004 – 2023 Member, Asia-Oceania Geosciences Society
- 2002 Reviewer, Atmospheric Sciences Research Grant, Natural Environment Research Council, United Kingdom

### **Selection of Past Professional Activities (Education and Outreach)**

- 2022 Organiser and Lecturer, Online Workshop on Atmospheric Dynamics, College of Science, Nanyang Technological University, Singapore
- 2021 Invited Expert, “Inter-varsity Singapore Green Plan 2030 Youth Conversation”, National Youth Council, Singapore
- 2021 Invited Panelist, “Perspectives on Opportunities for Geography Students in Universities”, 2021 Geography Symposium, Singapore
- 2020 Member, Academic Audit Committee, Singapore University of Social Sciences
- 2020 Member, Syllabus Development Committee for Pre-University Geography, Ministry of Education, Singapore
- 2019 Member, Curriculum Review Committee for Pre-University Geography, Ministry of Education, Singapore
- 2015 Invited Panelist, Earth Day Film Screening "Chasing Ice", organized by Asian Venture Philanthropy Network
- 2014 – 2016 Member, NTU Teaching Council, Nanyang Technological University
- 2014 Examiner, [Asian Physics Olympiad](#)
- 2013 – 2014 Member, Advisory Committee, Climate Change Exhibition II, Singapore Science Centre
- 2009 – 2010 Member, 'A'-level Mathematics Syllabuses Consultative Committee, Ministry of Education

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| 2007 – 2008 | Member, Advisory Committee, Climate Change Exhibition I, Singapore Science Centre  |
| 2008 – 2022 | Member, Selection Panel, WSPC-ICAAS Most Outstanding Junior College Science Student Award, jointly awarded by Imperial College Alumni Association of Singapore (ICAAS) and World Scientific Publishing Company (WSPC) and facilitated by the Ministry of Education |
| 2006        | Examiner, <a href="#">International Physics Olympiad</a>   |
| 2005        | Member, Steering Committee, Science.05, annual science activity month jointly organized by Singapore Science Centre and A*STAR   |

### Academic Interests

- Weather and climate of Southeast Asia
- Atmospheric modelling, numerical prediction and predictability
- General circulation of the atmosphere
- Mixing and transport of tracers in fluids
- Geophysical fluid dynamics and Lagrangian formulation
- General Relativity, Lie Groups and Algebras, Quantum Field Theory

### Research Grants

#### Total funding of \$7,734,400 (SGD) over 15 years

|             |             |  |
|-------------|-------------|--|
| 2015 - 2017 | \$276,000   | Rainfall as Self-Organized Criticality: Observations and Models              |
| 2013 - 2017 | \$1,093,100 | Monsoon Dynamics, Predictability and Tropical Paleoclimate                   |
| 2013 - 2015 | \$192,000   | Rainfall, Mesoscale Weather, Climate Change and Urban Boundary Layer         |
| 2012 - 2014 | \$540,000   | Weather Research IV  |
| 2011 - 2015 | \$562,700   | Combined statistical downscaling and disaggregation of regional climate data |
| 2011 - 2012 | \$184,800   | Urban Boundary Layer and Mesoscale Weather Modelling                         |
| 2010 - 2012 | \$184,800   | Atmospheric Modelling of Singapore and Southeast Asia                        |
| 2010 - 2011 | \$91,200    | Urban Canyon and Boundary Layer Modelling                                    |
| 2009 - 2014 | \$579,800   | Regional Climate Downscale of El Nino and Indian Ocean Dipole                |
| 2009 - 2012 | \$1,600,000 | Weather Research III   |
| 2005 - 2008 | \$1,200,000 | Weather Research II  |
| 2005 - 2016 | \$150,000   | Geophysical Fluid Dynamics of Tropical Atmospheres                           |
| 2002 - 2005 | \$1,080,000 | Weather Research I   |

## Publications

### Journal Articles (Refereed)

1. Turkington, T., T.-Y. Koh, D. Permana, Z. Dong and J. Basconcillo (2026), "**Southeast Asian Monsoon Index (SEAMI) for monitoring and prediction**", *in preparation*.
2. Suematsu, T., Z. Martin, E. Barnes, C. Demott, S. Hagos, Y.-G. Ham, D. Kim, H. Kim, T. Y. Koh and E. Maloney (2024), "**Incorrect computation of Madden-Julian oscillation prediction skill**", *npj Climate and Atmospheric Science*, 7, 134. DOI: 10.1038/s41612-024-00687-1.
3. Panda, J., T.-Y. Koh, A. Mukherjee, X.-X. Li, L. K. Norford (2024), "**Numerical modeling of the distinct urbanization impact over Singapore during two contrasting weather scenarios**", *Urban Climate*, 55, 101924. DOI: 10.1016/j.uclim.2024.101924.
4. Koseki, S., R. Fonseca, T.-Y. Koh and C.-K. Teo (2023), "**Upper tropospheric cloud-radiation interaction induced by monsoon surge over the South China Sea**", *Meteorol. Appl.*, 30(2), e2125. DOI: 10.1002/met.2125.
5. Feng, L., T. Zhang, T.-Y. Koh and E. Hill (2021), "**Selected years of monsoon variations and extratropical dry-air intrusions compared with the Sumatran GPS Array observations in Indonesia**", *J. Meteorol. Soc. Japan*, 99(2), 505-536. DOI: 10.2151/jmsj.2021-026.
6. Teo, C.-K., T.-Y. Koh, K. K. W. Cheung, B. Legras, H. N. Huynh, L. Y. Chew and L. Norford (2021), "**Scaling characteristics of modelled tropical oceanic rain clusters**", *Quart. J. Roy. Meteorol. Soc.*, 147(735), 1055-1069. DOI: 10.1002/qj.3959.
7. Tay, K, T.-Y. Koh and M. Skote (2021), "**Characterizing mesoscale variability in low-level jet simulations for CBLAST-LOW 2001 campaign**", *Meteorol. Atmos. Phys.*, 133(2), 163-179. DOI: 10.1007/s00703-020-00736-3.
8. Fonseca, R., T.-Y. Koh and C.-K. Teo (2019), "**Multi-scale interactions in a high-resolution tropical-belt experiment and observations**", *Clim. Dyn.*, 52(5), 3503-3532. DOI: 10.1007/s00382-018-4332-y.
9. Tiew, J.-J., T.-Y. Koh, M. Skote and N. Srikanth (2018), "**Variance characteristics of tropical radiosonde winds using a vector-tensor method**", *Energies*, 11(1), 137. DOI: 10.3390/en11010137.
10. Teo, C.-K., H.-N. Huynh, T.-Y. Koh, K. K. W. Cheung, B. Legras, L.-Y. Chew and L. Norford (2017), "**The universal scaling characteristics of tropical oceanic rain clusters**", *J. Geophys. Res.*, 122(11), 5582–5599. DOI: 10.1002/2016JD025921.
11. Lestari, R. K. and T.-Y. Koh (2016), "**Statistical evidence for asymmetry in ENSO-IOD interaction**", *Atmos. Ocean*, 54(5), 498-504. DOI: 10.1080/07055900.2016.1211084.
12. Li, X. X., T.-Y. Koh, J. Panda and L. K. Norford (2016), "**Impact of urbanization patterns on the local climate of a tropical city Singapore: an ensemble study**", *J. Geophys. Res.*, 121(9), 4386-4403. DOI: 10.1002/2015JD024452.
13. Koh, T.-Y. and R. Fonseca (2016), "**Subgrid-scale cloud-radiation feedback for the Betts-Miller-Janjic convection scheme**", *Quart. J. Roy. Meteorol. Soc.*, 142(695), 989-1006. DOI: 10.1002/qj.2702.

14. Fonseca, R. M., T. Zhang and K. T. Yong (2015), "**Improved simulation of precipitation in the tropics using a modified BMJ scheme in the WRF model**", *Geosci. Model Dev.*, 8, 2915-2928, DOI: 10.5194/gmd-8-2915-2015.
15. Koh, T.Y. and F. Wan (2015), "**Theory of the norm induced metric in atmospheric dynamics**", *Atmospheric Chemistry and Physics*, 15, 2571-2594, DOI: 10.5194/acp-15-2571-2015.
16. Chen, H., P. Malanotte-Rizzoli, T.-Y. Koh, G. Song (2014), "**The relative importance of the wind-driven and tidal circulations in Malacca Strait**", *Cont. Shelf Res.*, 88, 92-102. DOI: 10.5194/acp-15-2571-2015.
17. Koseki, S., T.-Y. Koh and C.-K. Teo (2014), "**Borneo vortex and meso-scale convective rainfall**", *Atmos. Chem. and Phys.*, 14, 4539-4562, DOI: 10.5194/acp-14-4539-2014.
18. Lee, S. Y. and T. Y. Koh (2014), "**Isentropic Primitive Equations for the Troposphere**", *Quarterly Journal of the Royal Meteorological Society*, 140(685), 2484-2490. DOI: 10.1002/qj.2312.
19. Li, X. X., T.-Y. Koh, D. Entekhabi, M. Roth, J. Panda and L. K. Norford (2013), "**A multi-resolution ensemble study of a tropical urban environment and its interactions with the background regional atmosphere**", *J. Geophys. Res.*, 118(17), 9804-9818. DOI: 10.1002/jgrd.50795.
20. Koseki, S., T. Y. Koh and C. K. Teo (2013), "**Effects of the Cold Tongue in the South China Sea on the Monsoon, Diurnal Cycle and Rainfall in the Maritime Continent**", *Quart. J. Roy. Meteorol. Soc.*, 139(675), 1566-1582. DOI: 10.1002/qj.2052.
21. Koh, T. Y., S. Wang and B. C. Bhatt (2012), "**A diagnostic suite to assess NWP performance**", *J. Geophys. Res.*, 117, D13109, DOI: 10.1029/2011JD017103.
22. Lee, S. Y. and Koh, T. Y. (2012), "**Teleconnection between Australian winter temperature and Indian summer monsoon rainfall**", *Atmospheric Chemistry and Physics*, 12, 669-681, DOI:10.5194/acp-12-669-2012.
23. Li, X. X., R. E. Britter, L. K. Norford, T. Y. Koh and D. Entekhabi (2012), "**Flow and pollutant transport in urban street canyons of different aspect ratios with ground heating: large-eddy simulation**", *Bound. Layer Meteorol.*, 142(2), 289-304. DOI: 10.1007/s10546-011-9670-9.
24. Koh, T. Y., B. C. Bhatt, K. K. W. Cheung, C. K. Teo, Y. H. Lee, M. Roth and Purnawirman (2012), "**Using the spectral scaling exponent for validation of quantitative precipitation forecasts**", *Meteorology and Atmospheric Physics*, 115(1), 35-45, DOI:10.1007/s00703-011-0166-4.
25. Teo, C. K., T. Y. Koh, C. F. Lo, B. C. Bhatt (2011), "**Principal Component Analysis of observed and modelled diurnal rainfall in the Maritime Continent**", *J. Clim.*, 24(17), 4662-4675. DOI: 10.1175/2011JCLI4047.1.
26. Koh, T. Y., Y. S. Djamil and C. K. Teo (2011), "**Statistical dynamics of tropical wind in radiosonde data**", *Atmos. Chem. and Phys.*, 11, 4177-4189, DOI: 10.5194/acp-11-4177-2011.
27. Li, X. X., R. E. Britter, T. Y. Koh, L. K. Norford, C. H. Liu, D. Entekhabi and Y. C. Leung (2010), "**Large-eddy simulation of flow and pollutant transport in urban street canyons with ground heating**", *Bound. Layer Meteorol.*, 137(2), 187-204, DOI: 10.1007/s10546-010-9534-8.
28. Bhatt, B. C., T. Y. Koh, M. K. Yamamoto and K. Nakamura (2010), "**Diurnal Cycle of Convective Activity over South Asia Diagnosed from METEOSAT-5 and TRMM Data**", *Terrestrial, Atmospheric and Oceanic Sciences*, 21 (5), 841-854, DOI: 10.3319/TAO.2010.02.04.01(A).

29. Teo, C. K. and T. Y. Koh (2010), "**Nadir correction of AIRS radiances**", Journal of Atmospheric and Oceanic Technology, 27, 470-480, DOI:10.1175/2009JTECHA1341.1.
30. Koh, T. Y. and J. S. Ng (2009), "**Improved Diagnostics for NWP Verification in the Tropics**", J. Geophys. Res., 114, D12102, DOI: 10.1029/2008JD011179.
31. Koh, T. Y. and C. K. Teo (2009), "**Towards a mesoscale observation network in Southeast Asia**", Bull. Amer. Meteor. Soc., 90(4), DOI: 10.1175/2008BAMS2561.1.
32. Joseph, B., B. C. Bhatt, T. Y. Koh and S. Chen (2008), "**Sea breeze simulation over Malay Peninsula over an intermonsoon period**", J. Geophys. Res., 113, D20122, DOI: 10.1029/2008JD010319.
33. Koh, T. Y. and R. A. Plumb (2004), "**Isentropic zonal average formalism and the near-surface circulation**", Quart. J. Roy. Meteorol. Soc., 130(600), 1631-1654. DOI: 10.1256/qj.02.219.
34. Koh, T. Y. and B. Legras (2002), "**Hyperbolic lines and the stratospheric polar vortex**", Chaos, 12(2), 382-394. DOI: 10.1063/1.1480442. **[most cited paper]**
35. Koh, T. Y. and R. A. Plumb (2000), "**Lobe dynamics applied to barotropic Rossby-wave breaking**", Phys. Fluids, 12(6), 1518-1528. DOI: 10.1063/1.870400.

#### Book Chapters

1. Annamalai, H., W. R. Boos, G. Martin, B. Mapes, Y. Ming, P. Mukhopadhyay, T.-Y. Koh and S. Rao (2021), "**Grand Challenges in Asian Summer Monsoon Modeling — Representation of Processes and Sources of Model Error**" in The Multiscale Global Monsoon System, C.-P. Chang, K.-J. Ha, R. H. Johnson, D. Kim, G. N. C. Lau and B. Wang, Eds., Vol. 11, World Scientific Series on Asia-Pacific Weather and Climate, World Scientific Publishing Co, pp. 420. ISBN: 978-981-121-659-6 (hardcover), 978-981-121-661-9(e-book).
2. Robertson, A. W., V. Moron, C.-P. Chang, F. Tangang, E. Aldrian, T. Y. Koh, L. Juneng (2011), "**The Maritime Continent Monsoon**" in The Global Monsoon System - Research and Forecast, C.-P. Chang, Y. Ding, N.-C. Lau, R. H. Johnson, B. Wang and T. Yasunari, Eds., Vol. 5, World Scientific Series on Asia-Pacific Weather and Climate, World Scientific Publishing Co, pp. 594. ISBN: 978-981-4343-40-4.
3. Koh, T. Y. and P. Linden (2011), "**Geophysical and Environmental Fluid Mechanics**" in Environmental Hazards, the Fluid Dynamics and Geophysics of Extreme Events, H. K. Moffatt and E. Shuckburgh, Eds., Vol. 21, Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore, World Scientific Publishing Co, pp. 315. ISBN: 978-981-4366-99-1.

#### Proceeding Papers

1. Ajayamohan, R. S., G. Martin, T. Turkington, H. Fujinami, J. Basconcillo, H. Annamalai, S. Jayawardena, R. Ashrit, H. Takahashi, and T. Y. Koh (2024), "**Asian Summer Monsoon Variability during 2022–2023: Beyond Canonical Teleconnection Patterns**", GEWEX Quarterly, 34(3), 8 – 10.
2. Koh T.-Y. (2015), "**Statistical Distributions and Climate Change**", Procedia IUTAM, 17, 53-58, DOI: 10.1016/j.piutam.2015.06.009.

3. Panda, J. and T.-Y. Koh (2014), "**Interaction between urban surface boundary and mesoscale weather**", Proceedings of the 11th Symposium on the Urban Environment, American Meteorological Society, 2-6 February 2014.
4. Koh, T. Y. and R. A. Plumb (2003), "**Isentropic zonal average formalism and the near-surface circulation**", Proceedings of the 14th Conference on Atmospheric and Oceanic Fluid Dynamics, American Meteorological Society, 9-13 June 2003.

#### **Technical Publications**

1. K. Saito, T. Kuroda, S. Hayashi, H. Seko, M. Kunii, Y. Shoji, M. Ueno, T. Kawabata, S. Yoden, S. Otsuka, N. J. Trilaksono, T.-Y. Koh, S. Koseki, L. Duc, K. T. Xin, W.-K. Wong and K. C. Gouda (2011), "**International Research for Prevention and Mitigation of Meteorological Disasters in Southeast Asia**", Technical Reports of the Meteorological Research Institute, 65, pp.198, ISSN: 0386-4049.
2. Koh, T. Y. (2010), "Alpha index" and "Elliptical representation of vector errors" in **Forecast Verification: Issues, Methods and FAQ**, by WWRP/WGNE Joint Working Group on Forecast Verification Research, WWRP-WCRP, World Meteorological Organization. (Accessible at <https://www.cawcr.gov.au/projects/verification/>)

#### **PhD Thesis**

1. Koh, T. Y. (2001), "**Isentropic diagnostics of mid-latitude circulation and transport**", Ph.D. thesis, Massachusetts Institute of Technology, USA, 288pp.

*Updated on 2 March 2026*