

REFERENCES

Abeyratne, V.D.K., Ileperuma, O.A., 2004. Effect of Air Pollution on a few selected Agricultural crops in Sri Lanka. First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka.

Abramson , J.H., Abramson, Z.H., 1999. Survey Methods in Community Medicine. 5th ed. Edinburgh: Churchill Livingstone, p 90-96.

Ackermann-Lieblich, U., Rapp, R., 1999. Epidemiological effects of oxides of nitrogen, especially NO₂. In: Air Pollution and Health (Holgate, S.T., Samet, J.M., Koren, H.S., Maynard, R, eds). Academic Press, London, England.

Amerasekera, R.M., 2004. Proven Intervention to reduce indoor air pollution due to cooking with Biomass. First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka.

Bascom, R., Bromberg PA, Costa, D.A., Devlin, R., Dockery, D.W., Frampton, M.W., Lambert, W., Samet, J.M., Speizer, F.E., Utell, M., (Committee of the Environmental and Occupational Health Assembly of the American Thoracic Society). 1996a. Health effects of out door air pollution, Part 1. Am J Respir Crit Care Med 153:3-50.

Bascom, R., Bromberg PA, Costa, D.A., Devlin, R., Dockery, D.W., Frampton, M.W., Lambert, W., Samet, J.M., Speizer, F.E., Utell, M., (Committee of the Environmental and Occupational Health Assembly of the American Thoracic Society). 1996b. Health effects of out door air pollution, Part 2. Am J Respir Crit Care Med 153:477-498.

Basnayake, B.R.S.B., 2004. A hybrid Mesoscale Wind Model for Air Quality Modeling. 'Air that we Breath': First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka.

Bertollini, R., et al., 1996. Environment and Health 1: Overview and Main European Issues, WHO Regional Publications, European Series, No: 68, Copenhagen: World Health Organization.

Brimblecombe, P., 1987. The Big Smoke, Methuen, London

Brown, R.H., Charlton, J., Saunders, K. J., 1981. The Development of an Improved Diffusive Sampler. Am. Ind. Hyg. Assoc. j. 42: p 865-869.

Bruse, M., (2000). Assessing thermal comfort in urban environments using an integrated dynamic microscale biometeorological model system. Third Symposium on the Urban Environment, AMS Conference, Davis, CA, USA.

Bruse, M., Thonnessen M., et al. (1999). Practical and theoretical investigation of the influence of facade greening on the distribution of heavy metals in urban streets.

Urban climatology and International congress of biometeorology, Sydney.

Bruse, M., Flier, H., 1998. Simulating Surface-Plant-Air Interaction Inside Urban Environments with a Three Dimensional Numerical Model, Envi. Software. Model., (13), S 373-384.(ENVI-met-Website:[http://www.geographie.ruhu-uni-bochum.de/agklima/envi met /index.html](http://www.geographie.ruhu-uni-bochum.de/agklima/envi%20met/index.html))

Center for Children's Health and the Environment, 2002. Childhood Asthma, <http://www.childenvironment.org/factsheets/asthma.htm> (accessed on 18th February 2005).

Centers for Disease Control and Prevention, 1996, Asthma mortality and hospitalization among children and young adults: United States, 1980-1993. MMWR Morb Mortal Wkly Rep 45:350-353.

Chandrasiri, S., 2004. Controlling Automotive Air Pollution: The case of Colombo City; Economy and Environmental Programme for Southeast Asia; May, p 24-28. ([http://web.idrc.ca/uploads/ user-S/10536134820ACF1 B6.pdf](http://web.idrc.ca/uploads/user-S/10536134820ACF1B6.pdf)).

Clean Air Initiative for Asian Cities (CAI Asia), Asian Development Bank (ADB), 2006. Country Synthesis Report (CSR) to urban Air Quality Management, Sri Lanka. Asian Development Bank (ADB), Philippines, December.

Daniels, M.J., Dominici, F., Samet, J.M., Zeger, S.L., 2000. Estimating particulate matter-mortality dose-response curves and threshold levels: an analysis of daily time-series for the 20 largest US cities. *Am J Epidemiol*; p 152: 397-406.

Dockery, D.W., Pope, C.A., Kanner, R.E., Vollegas, G.M., Schwartz, J., 1999. Oxygen saturation, pulse rate, and particulate air pollution: a daily time-series panel study. *Am J Respir. Crit. Care Med.* 159: p 365-372.

Elsom, D., 1996. *Smog Alert: Managing Urban Air Quality*, London: Earthscan Publications Limited.

Emmanuel, R., 2003. "Assessment of impact of land cover changes on urban bioclimate: the case of Colombo, Sri Lanka," *Architectural Science Review*, 46 (2): p 151-158.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

ESP, ISB,US-AEP, USAID, 2005. Remote Sensing of Vehicle Emissions in Sri Lanka. A Survey Report Prepared for the Ministry of Transport. USAID/ USAEP program, January, p 15-26.

European Environment Agency (EEA), 1996. Information for Improving Europe's Environment, Ambient air quality, pollutant dispersion and transport models, Topic report No 19/1996 (http://www.eea.europa.eu/main/_htm , Searched on August 2006).

Folinsbee, L., 1992. "Human health effects of Air Pollution," *Environmental Health Perspective*, 100: p 47-48.

Google Map, (2005, 2006, 2007). www.googlemap.lk, (accessed on March 2005, February 2006, December 2007).

Hansen, J. E., Sato, M., Lacis, A., Ruedy, R., Gegen, I., 1998. Matthews, E., Climate forcing in the industrial era, Proceedings of the National Academy of Sciences, 95, p 12,753-12,758.

Health Effects Institute (HEI), 2004. Health Effects of Outdoor Air Pollution in Developing Countries of Asia: A literature Review: HEI International Science Oversight Committee of HEI Public Health and Air Pollution in Asia Program, Special Report 15, p 18-26.

Henderson-Sellers, A., and P. J. Robinson, 1986. Contemporary Climatology, 439 pp., John Wiley Sons, Inc., New York.

Holm, I., 2006. Ideas and Beliefs in Architecture and Industrial design: How attitudes, orientations, and underlying assumptions shape the built environment. Oslo School of Architecture and Design. ISBN 8254701741.

Hu, W., Wei, F., Zhang, J., Wu, G., Teng, E., Chapman, R.S., 2001. Study on relation between air pollution and children's respiratory illness prevalence using a two step regression method. China Environmental Science, 21(6): p 485-489.

Hu, W., Wei, F., Teng, E., Wu, G., Zhang, J., Chapman, R.S., 2000. The impact of air pollution on respiratory health of children and their parents", China Environment Science, 20(5): p 425-428.

Jayasinghe, S., De Silva, P., Chandrasiri, S., 2004. Health Damage of Auto diesel emissions in Colombo. First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka, p 2.

Jayaweera, D.S., 2001. Vehicle Inspection and Maintenance Policy and Programme. Sri Lanka. Global Initiative on Transport Emissions Asia workshop. Bangkok, Thailand, 10-12 December.

Jayaweera, D.S., 2007. Is it an Effective Way to use the Market Based Instruments for the Reduction of Vehicle Emission? Case Study for Sri Lanka. "Air That We Breath", Third National Symposium on Air Resource Management in Sri Lanka; p 15.

Karunasekara, K.A.W., Jayasinhe, J.A., Alwis, L.W., 2001. Risk factors of childhood asthma: a Sri Lankan study. *Journal of Tropical Pediatrics*;47 (3): p142 - 145.

Karunasekara, K.A.W., Perera, K.P.J., Perera, M.T.P.R., Abeynarayana, J., 2005. Genetic and environmental risk for asthma in children aged 5-11 years. *Sri Lanka Journal of Child Health*; 34: p 79-83.

Katz, M., 1969. *Measurement of Air Pollutants: Guide to the selection of methods*. WHO: Geneva, Switzerland.

Kellogg, W. K., 1996. Greenhouse Effect, in *Encyclopedia of Climate and Weather*, edited by S. H. Schneider, Oxford University Press, New York, p. 368-371.

Lankathilaka, K.N., Seneviratne, S.R.D.A., Fernando, D.N., 2000. Indoor air quality and respiratory symptoms among children and women. Sri Lanka Association for the Advancement of Science - 56th Annual Session, Colombo.

Lahme, E., and Bruse M., (2003). Microclimate effects of a small urban park in densely built-up areas: Measurement and model simulations. ICUC5, Lodz.

Logan, W.P., Mortality in London fog incident, 1952. *Lancet* 1953; 1: p 336-338

Malé Declaration on Control and Prevention of Air Pollution and Its Likely Trans-boundary Effects for South Asia : UNEP Regional Resource Center for Asia and the Pacific, 2002. www.rrcap.unep.org/issues/air/maledec/baseline/indexsri.html. (accessed on 8th March 2005)

Mallikarachchi, B.S. Manawadu, L., Samarakkody, R.P., 2004. Identification of Air Pollution potential areas and its temporal and spatial pattern of the city of Colombo-applying GIS.

Manahan S, 1996, *Environmental Chemistry*, Sixth Edition,. Lewis publishers.

NHDES, 2007. New Hampshire Department of Environmental service, Criteria Air Pollution, <http://www.des.state.nh.us/ard/polut.htm> (accessed on 3rd March 2006).

OECD, 1979, The OECD-Programme on long-range transport of air pollutants. Measurements and findings, 2nd ed. (OECD), Paris.

Orlanski, J., 1975, A rational subdivision of scales for atmospheric processes, Bull. Amer. Meteorol. Soc. 56, p 527-530.

Paramasivam, D., Mahanama, K.R.R., 2007. Carbonyl and Phenol Emissions from Indoor Combustion Sources. "Air That We Breath", Third National Symposium on Air Resource Management in Sri Lanka; Colombo, p 5.

Pathirane, S.M., Mahanama, K.R.R., 2006. Low Birth Weights of Infants and Exposure to Smoke from Biomass Fuel during Pregnancy. "Air That We Breath", Second National Symposium on Air Resource Management in Sri Lanka; Colombo, March.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

Peixoto, J. P., and A. H. Oort, 1992. Physics of Climate, American Institute of Physics, New York, p 520.

Peters, A., et al., 1996. "Acute effects of exposure to high levels of air pollution in Eastern Europe," American Journal of Epidemiology, 144 (6): p 570-580.

Peters, A., Doring, A., Wichmann, H.E., Koenig, W., 1997. Increased plasma viscosity during air pollution episode: a link to mortality? Lancet 349: p 1582-1587.

Peters, A., Frohlich, M., Doring, A., Immervoll, T., Wichmann, H.E., Hutchinson, W., Pepys, M.B., Koenig, W., 2001. Particulate air pollution is associated with an acute phase response in men: results from the MONICA-Augsburg Study. Eur. Heart J.:22: p 1198-1204.

Pope, C.A., Verrier, R.L., Lovett, E.G., Larson, A.C., Raizenne, M.E., Kanner, R.E., Schwartz, J., Villegas, G.M., Gold, D.R., Dockery, D.W., 1999. Heart rate variability associated with particulate air pollution. Am. Heart J. 138: p 890-899.

Premaratna, R., Pathmeswaran, A., Chandrasekara, B., Dissanayake, A.S., Silva, H.J.D., 2002. Effects of Pollution on Health of Residents in an Industrial Area in Sri Lanka. Archives of Environmental Health.; 57(6): p 579-83.

Premasiri, H.D.S., Samarakkody, R.P., Annakkage, C.J., Basnayake, G.B.M.A., National Building Research Organization (NBRO), 2003. Particulate pollution ratio of STM, PM10 and PM2.5 in Colombo atmosphere, Sri Lanka Association for the Advancement of science, Annual Session.

Prins, D.S., Rombout, P.J.A., Kamers, P.G.N., Heijna-Merkus E., 1984. Fine dust. Criterion Document Air. Bilthoven, Netherlands.

Qian, Z., Chapman, R.S., Tian, Q., Chen, Y., Liou, P.J., Zhang, J., 2000. Effects of Air Pollution on children's respiratory health in Hong Kong. Int J Epidemiol 25: p 821-828.

Rajapaksha, L., Jayasinghe, C., Premasiri, H.D.S., 2006. The effects of indoor air pollution in office building on occupant illnesses symptoms (Sick Building Syndrome). "Air That We Breath", Second National Symposium on Air Resource Management in Sri Lanka; Colombo, March.

Ranasinghe, M.H., Mahanama, K.R.R., 2004. Risk of Cataract formation with Exposure to Biomass Smoke. "Air That We Breathe", First National Symposium on Air Resource Management in Sri Lanka. Colombo December.

Ratto, C.F., Festa, R., Romeo, C., Frumento, O.A., and Galluzzi, M., 1994. Mass-consistent models for wind fields over complex terrain: The state-of-the art, Environ. Software 9, p 247-268.

Reese. A., 1999. Bad Air Days-air pollution in the United States: The Environmental Magazine, November.

Safetyline Institute, 1993. Work place safety, <http://www.worksafe.wa.gov.au>.
<http://www.safetyline.gov>, (accessed on 3rd March 2004). "Management of Dust Hazards and Diseases: Silicosis in WA 1984 - 1993".
<http://www.worksafe.wa.gov.au>., Last visited September 2005.

Samarakkody, R.P., Fernando, A.T.R., 2007. Measuring of Nitrogen Dioxide Exposure Levels, A Quick Test for Air Pollution. "Air That We Breath", Third National Symposium on Air Resource Management in Sri Lanka; Colombo, p 7.

Schlesinger, R.B., & Cassee, F., 2003. "Atmospheric secondary inorganic particulate matter: The Toxicological perspective as a basis for health effects risk assessment," *Inhalation Toxicology*, 15(3): p 197-235.

Scholar, 2007. Research Opportunities Air Borne Particulate Matter, Health Effects, Cardiovascular Mechanism. (accessed on January 2007). (<http://scholar.google.com/scholar?q=Research+Opprtunities+Airborne+Particulate+Matter+Health+Effects+Cardiovascular+Mechanism&hl=en&um=1&ie=UTF-8&oi=scholar>).



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

Scorecard, 2007. The pollution information site, smog and particulates, <http://www.scorecard.org/env-releases/cap/pollutant-desc.tcl> (accessed on 3rd March 2006).

Sears, M.R., 1996, Epidemiological trends in asthma, *Can Respir J*; 3: p 261-268.

Senanayaka M.P., Samarakkody, R.P., 2004. Impact of outdoor and indoor air pollution on personal exposure of 5 - 8 year old children living in low income settlements in Colombo. "Air That We Breathe", First National Symposium on Air Resource Management in Sri Lanka. Colombo December.

Seneviratne, M.C.S., Waduge, V.A., Handagiriathira, H.L., Mahakumara, P.D., Attanayake, T.N., Jayawardena, K.G.S., 2004. Air pollution Monitoring using Nuclear Related Analytical Technique, Energy Dispersive X-Ray Fluorescence (ED-XRF) in Colombo. 'Air that we Breath': First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka.

Shprentz, D., 1996. *Breathtaking: Premature Mortality due to Particulate Air Pollution in 239 American Cities*, New York: Natural Resources Defense Council.

Sirithunga, T.L.J.C., Kumarasiri, R.P.K., Illeperuma, O.A., 2006. Effects of outdoor air pollution on the respiratory health of children in a rural and an urban area in the Kandy district. "Air That We Breath", Second National Symposium on Air Resource Management in Sri Lanka; Colombo, March.

Sunyer. J., et al., 1996. "Air Pollution and mortality in Barcelona," *Journal of Epidemiology and Community Health*, 50 (Supplement 1): S76.

Tarr, J.A., 1996. *The Search for the Ultimate Sink: Urban Pollution in Historical Perspective*, University of Akron Press, Akron, Ohio.

Touloumi, G., Samoli, E., Katsouyanni, K., 1996. "Daily mortality and winter type air pollution in Athens, Greece: a time series analysis within the APHEA project," *Journal of Epidemiology and Community Health*, 50 (Supplement 1): S47.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

United Nations Environment Program, 1994. *GEMS/AIR Methodology Reviews Vol.3: Measurement of suspended particulate matter in ambient air Nairobi*. UNEP/WHO.

United Nations Environment Program (UNEP), 1994. *GEMS/AIR Methodology Reviews Vol.4: Passive and Active sampling methodologies*, UNEP/WHO.

U.S. Environmental Protection Agency (USEPA). 1996. *Air quality criteria for particulate matter*. Research Triangle Park, NC: National Center for Environmental Assessment-RTP Office; report nos. EPA/600/P-95/001aF-cF.

U.S. Environmental Protection Agency (USEPA), 1999. *National Air Quality and Emissions Trends Report*. Washington, DC.

U.S. Environmental Protection Agency (USEPA). 2003, *Air quality monitoring*, <http://www.epa.gov/air/air-quality-monitoring/metrological-data> (accessed on 8th March 2005).

Ventura county Air Pollution Control District, 2000, health effects, <http://www.vcapcd.org/health.htm> (accessed on 18th February 2005).

Vigotti, M.E.T. A.L., 1996. "Short-term effects of urban air pollution on respiratory health in Milan, Italy, 1980-1989," *Journal of Epidemiology and Community Health*, 50 (Supplement 1): S71.

Wargo, J., 2001. Children's Exposure to Diesel Exhaust on School Buses, *Environment & Human Health*, Inc. Feb 02.

Wei, F., Hu, W., Teng, E., Wu, G., Zhang, J., Chapman, R.S., 2000. "Relation analysis of the air pollution and children's respiratory prevalence rate", *China Environmental Science*: 20(3): p 220,224.

Wei, F., Hu, W., Wu, G., Teng, E., Zhang, J., Chapman, R.S., 2001. Analysis of relation between air pollution and children's lung function induces. *China Environmental Sciences*: 21 (5): p 385-389.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

Wijeyartna, S.C., and Attanayake, A.M.N.P., 2007. Assessment of Air Quality Using Lichens. 'Air that we Breath': First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka.

World Health Organization (WHO), 1987. Air quality guideline for Europe. Copenhagen, World Health Organization Regional Office for Europe, WHO Regional Publications, European Series No:23.

World Health Organization WHO, 1994, Update and Revision of the Air Quality Guidelines for Europe, WHO Regional Office for Europe, Copenhagen, Report No. EUR/ICP/EHAZ 94-05/PB01.

WHO, 2000. Air Quality Guidelines for Europe, Second Edition, Who Regional Publications European Series No.91, WHO regional Office for Europe, Copenhagen.

WHO, 2000. guideline for Air Quality, WHO/SDE/OEH/00.02, World Health Organization, Geneva, <http://www.who.int/peh>

World Health Organization WHO, 2006, Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulfur dioxide. Summary of risk assessment, p 8-19.

Wheeler S., 1998. "Planning Sustainable and Livable Cities", ISBN 0-415-27173-8, Routledge, New York.

Wijayamuni, R.L, 2004. Sri Lanka Air Quality index; a guide to air quality and public health. First National Symposium on Air Resource Management in Sri Lanka. 2-3 December. Sri Lanka.

Wikipedia, 2006. Transport in Sri Lanka . available at : http://en.wikipedia.org/wiki/Transport_in_Sri_Lanka (.accessed on March 2006).

Wong, C.M., Hu, Z.G., Lam, T.H., Hedley, A. J., Peters, J., 1999. Effects of ambient air pollution and environmental tobacco smoke on respiratory health of non-smoking women in Hong Kong. International Journal of Epidemiology: 28: p 859-864.

Wong, W.T., Tam, W.S., Yu, T.S., Wong, A.H.S., 2000. Associations between daily mortalities from respiratory and cardiovascular diseases and air pollution in Hong Kong, China. Occup Environ Med : 59: p 30-35

Wong, G.W.K., Ko, F.W.S., Lau, T.S., Li, S.T., Hui, D., Pang, S.W., Leung, R., Fok, T.K., Lai, C.K.W., 2001. Temporal relation ship between air pollution and hospital admissions for asthmatic children in Honh Kong. Clin Exp Allergy: 31: p 565-569.

World Bank, 2001. Urban Air Pollution: Vehicular Air Pollution: Setting Priorities, South Asia Urban Air Quality Management Briefing Note No: 1, ESMAP.

World Bank, 2002. Urban Air Pollution: Urban Planning and Air Quality, South Asia Urban Air Quality Management Briefing Note No: 6, ESMAP.

Zhang, J., Hu, W., Wei, F., Wu, G., Korn, L.R., Chapman, R.S., 2002. Children's Respiratory Morbidity Prevalence in Relation to Air Pollution in Four Chinese Cities. Environmental Health Perspectives, September, 110, p 9.