

References

- Abdullah, H. (1990). Convective Heat Transfer in Building Energy Analysis. Master in Mechanical Engineering, University Teknologi Malaysia, Malaysia.
- Aboulnaga, M.M. (1998). A Roof Solar Chimney Assisted by Cooling Cavity for Natural Ventilation in Buildings in Hot Arid Climates: an Energy Consideration Approach in Al-Ain City. Elsevier: Renewable Energy, Vol.14, pp357-63, Amsterdam.
- AbdulMalik, A.R. (1999). Natural Cooling of Malaysian Urban Homes by Free Wind. Kuala Lumpur: Green Pages, Editorial.
- AbdulMalik, A.R. (1994). Design for Natural Ventilation in Low Cost Housing in Tropical Countries, University of Wales Colleges of Cardiff, PhD Thesis, UK.
- Afonso, C., Oliveira, A. (2000). Solar Chimney: Simulation and Experiment. Energy and Buildings, Vol.32, pp.71-9, UK.
- Ahmad,S.(2004). Wind Environment Evaluation in Neighbourhood Residential Areas in Malaysia. A Case Study of Johor Bharu Metropolitan City. J. Archit. Plan. Environ. Eng., 538, UK.
- Ahmed,S., Zain-Ahmed,A. and Abdul Rahman,S.(2005). Daylighting Performance of the Integrated Daylighting and Ventilation System for Buildings in the Tropics. World Sustainable Building Conferences, Tokyo.
- Allard, F.(1998). Natural Ventilation in Buildings, England: Cromwell Press.
- Anderson, B. (2003). Solar Energy Fundamentals in Building Digest- Total Environment Action, London: McGraw-Hill Book Co.
- Agarwal, K.N. (1967). Thermal Data of Building Fabric and Its Application in Building Design, Building Digest, No. 52, CBRI, Roorkee, India.
- Al-Hemaidi, W.K. (2001). The Metamorphosis of the Urban Fabric in an Arab Muslim City: Riyadh, Saudi Arabia. Journal of Housing and the Built Environment. Vol. 16, pp.179-201, UK.
- Allen, E. and J. Iano. (2003). Fundamentals of Building Construction, 4th ed. New York: John Wiley & Sons.
- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). (1985). Physiological Principles for Comfort and Health. In ASHRAE Fundamental Handbook. New York.

- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). (2004). Thermal Environmental Conditions for Human Occupancy. In ASHRAE 55-2004 Fundamental Handbook. New York.
- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). (1999). Energy Efficient Standard for Buildings. In ASHRAE 90.1-1999 Fundamental Handbook. New York.
- Ander, G.D. (2003). Daylighting Performance and Design, 2nd ed. New York: John Wiley & Sons.
- Aronium, J.E. (1991). Climate and Architecture. New York: Reinhold Publishing Corporation.
- Auliciems, A. and S. Szokolay. (1997). Thermal Comfort. PLEA Notes 3. PLEA International University of Queensland.
- Aynsley, R.M. (1995). A Study of Airflow Through and Around Buildings. Ph.D.thesis, School of Building, University of New South Wales.
- Bahadori, M. N. (1978). Passive Cooling Systems in Iranian Architecture. USA: Scientific American Ltd.
- Balcomb, D.J. (1992). Passive Solar Buildings. Cambridge: MIT Press.
- Bansal, N.K. (1994). Passive Building Design- A Handbook of Natural Climatic Control. Elsevier Science B.V., Amsterdam.
- Bansal, N.K., Mathur, R., Bhandari, M.S. (1993). Solar Chimney for Enhance Stack Ventilation. Building and Environment, Vol 28, pp.373-7, Amsterdam.
- Bansal, N.K., Mathur, R., Bhandari, M.S. (1994). A Study of Solar Chimney Assisted Wind Tower System for Natural Ventilation in Buildings. Building and Environment Vol.29, pp.495-500, Amsterdam.
- Bennett, R.J. and Chorley, R.J. (1978). Environmental Systems: Philosophy, Analysis and Control, London: Menthuen.
- Bennetts, H. (2000). Environmental Issues and House Design in Australia: Images from Theory and Practice, unpublished thesis, University of Adelaide, Australia.
- Bevirt.W. D. (1996). Thermal Environmental Conditions for Human Occupancy. National Environmental Balancing Bureau, United States of America.
- B M Givoni. (1976). Climate and Architecture. London: Applied Science Publishers.
- Bonine, M.E. (1980). Aridity and Structure. New York: Desert Housing Ltd.
- Bowyer, J. (1980). Vernacular Building Conservation, London: Architectural Press.

- Brager, G.S. and de Dear, R.J. (1998). Thermal Adaptation in the Built Environment: A Literature Review, *Energy and Buildings*. V. 27(1), pp. 83-96.
- Brown, G.Z. and M. DeKay. (2001). Sun, Wind & Light: Architectural Design Strategies, 2nd ed. New York: John Wiley & Sons.
- Butcher, J.G. (1979). The British in Malaya 1880-1941, Kuala Lumpur: Oxford University Press.
- Busch, J.F.(1990). Thermal Responses to the Thai Office Environment. ASHRAE Transactions96(1).
- Calloway, S., ed. (1991). The Elements of Styles, London: Mitchell Beazley.
- Carmona, L.S.de. (1984). Human Comfort in the Urban Tropics. World Meteorological Organization 1986. 354 -404, UK.
- Commonwealth Experimental Building Station. (1949). Design for Climate: some notes on the design of domestic buildings for the hot arid and hot humid climates of Australia, Notes on the Science of Building, No.1, Sydney: Commonwealth Experimental Building Station, USA.
- Chalfoun, N. (1999). Computer Energy Analysis I. House Energy Doctor Program. University of Arizona.
- Chan, C. Y.(1987). Post Merdeka Architecture Malaysia 1957-1987, Kuala Lumpur: Pertubuhan Arkitek Malaysia.
- Chand, I. and Krishak, N.L.V. (1986). Window design for natural ventilation in tropics, Building Research Note, No. 62, CBRI, Roorkee, India.
- Chandra, S., P. Fairy, and M.Houston. (1983). A Handbook for Designing Ventilated Buildings. Cape Canaveral, Florida: Florida Solar Energy Centre.
- Chandra, S., P.W.Fairey, and M.M. Houston. (1986). Cooling with Ventilation. Solar Energy Research Institute, Colorado: Golden.
- CIBSE. (2004). Code for Lighting. London: The Chartered Institution of Building Services Engineers.
- Cole, R.L. (1997). Prioritizing Environmental Criteria in Building Design and Assessment, in P.S. Brandon, P.L.Lombardi and V. Bentivegna, London: E & F.N. Spon.
- Cowan, H.J. (1980). Predictive Methods for the Energy Conserving Design of Buildings. London: Applied Science.

- Daview, P. (1987). Speldours of the Raj: British Architecture in India 1660-1947. London: Penguin Books Ltd.
- D Watson. (1983). Climatic Design. New York: McGraw Hill Company.
- De Dear, R.J., G.S. Brager and D.J. Cooper. (1997). Developing an Adaptive Model of Thermal Comfort and Preference – Final Report, ASHRAE RP-884. Sydney:MRL.
- De Dear, R.J.(1998). Global Database of Thermal Comfort Field Experiments,ASHRAE Trans, V.104(1b), p.1141-1152.
- De Dear, R.J. and G.S. Brager.(1998). Developing an Adaptive Model of Thermal Comfort and Preference, ASHRAE Transactions.,V.104(1a), p. 145-167.
- De Dear, R.J., K.G. Leow, Ameen, A.(1991). Thermal Comfort in the Humid Tropics. Part 1. Climate Chamber Experiments on Temperature Preferences in Singapore, ASHRAE Transactions 97(1).
- Elias, S. (1994). Tropical Urban Outdoor Environment and Human Thermal Comfort. PhD University Teknologi Malaysia.
- E-Martin. (2003). Housing Climate and Comfort. New York: Architectural Press Ltd.
- Ernest, D.R. (1991). Predicting Wind Induced Indoor Air Motion, Occupant Comfort, and Cooling Loads in Naturally Ventilated Buildings. Ph.D. diss., University of California, Barkeley.
- Esmawee, H.,E.. (1993). Traditional Malaysian Built Form: A Study of the Origins, Main Building Types, Development of Building Form, Design Principle and the Application of Traditional Concepts In Modern Buildngs. Thesis PhD- Sheffield, UK.
- Fathy, H.(1973). Architecture for the Poor. Chicago: University of Chicago Press.
- Fathy, H. (1986). Natural Energy and Vernacular Architecture. Chicago: University of Chicago Press.
- Fanger, P.O. (1972). Thermal Comfort. New York: McGraw-Hill Book Co.
- Feilden, B.M. (1982). Conservation of Historic Buildings. London: Butterworth Scientific, UK.
- Ghafar, A. (1997). British Colonial Architecture in Malaysia 1800-1930, Kuala Lumpur: Oxford University Press.
- Givoni, B. (1976). Man, Climate and Architecture. London: Applied Science Publisher Ltd, Second Edition.
- Givoni, B. (1994). Passive and Low Energy Cooling of Buildings. New York: John Wiley.

- Gupta, V. (1992). Energy Conservation- Indian Myths and Realities. Architecture + Design, Vol.9, No.3, India.
- Guzowski, M. (2000). Daylighting for Sustainable Design. New York: McGraw-Hill.
- Hanafiah, A., (2005). The Effectiveness of Natural Ventilation Design in Low Cost Housing. Thesis Msc (Pengurusan Kontrak Pembinaan), University Teknologi Malaysia.
- Harvey, J. (1972). Conservation of Buildings, London: John Baker Ltd.
- Hasegawa, F., Y. Ishikawa and H. Matsumoto. (1983). Theoretical Study on Room Temperature Variation of Multi room in Consideration of Mutual Radiation among the Indoor Surfaces, Transaction of AIJ, No. 323, pp. 78-86, USA.
- Hesketh, R.F. (1986). Architecture of the British Empire. London: George Weidenfeld and Nicolson Ltd.
- Highfield, D. (1987). Rehabilitation and Reuse of Old Buildings. London: E&FN Spon Ltd.
- Hirunlabh, J., Wachirapuwadon, S., Pratinthong, N., Khedari, J. (2001). New Configurations of a Roof Solar Collector Maximizing Natural Ventilation. Building and Environment, Vol.36, pp.383-91, Amsterdam.
- Hobbs, J.E. (1980). Applied Climatology- A Study of Atmospheric Resources. London: Butterworths.
- Hokoi, S. and M. Matsumoto. (1983). Analysis Method of the Evaporative Cooling Effect on the Wall Surface. Proceedings of 13th Symposium of AIJ Building Environment Committee, UK.
- <http://www.state.nj.us>
- Hui, S.K.(2000). Natural Ventilation of Low Cost Dwellings in the Hot Humid Tropics Malaysia. Master of Architecture University Teknologi Malaysia, Malaysia.
- Humphreys, M.A. (1992). Thermal Comfort Requirements, Climate and Energy. Proc. Of the Second World Renewable Energy Congress. Reading, U.K.
- Hyde, R., A. (1998). Ligthing, thermal and ventilation (LTV) design tool for non-domestic buildings in tropical and subtropical regions: preliminary assessment of design integration. Proceedings of the ANZAScA Conference, the University of Queensland, UK.
- Hyde, R., A. and Docherty, M. (1997), Thermal performance of housing in the hot humid tropics of Australia. Architectural Science Review, pp. 105-112, Australia.

- Hyde, R.,A. (2000). Climate Responsive Design. New York: Spon Press.
- Jain, D. (2006). Modeling of Solar Passive Techniques for Roof Cooling In Arid Regions. India: Longman Press.
- Jones. (1968). Ventilation Problems in Hot Countries. Research Report to the Ford Foundation. Technion, Haifa, Building Research Station, Israel.
- Julaida binti Kaliwon. (2004). Energy Conservation in Historic Building. Msc Thesis University Teknologi MARA, Malaysia.
- Kannan, K.S. (1991). Thermal Characteristics of Malaysian Building Envelopes. Ph.D University Teknologi Malaysia.
- Kennedy, J. (1962). A History of Malaya A.D. 1400-1595, London: Mac Millan and Co. Ltd.
- Khedari, J., Hirunlabh, J., Bunnag. T. (1997). Experimental Study of a Roof Solar Collector Towards the Natural Ventilation of New Houses. Energy and Buildings; Vol. 26:pp.159-64, Amsterdam.
- Khedari, J., Boonsri, B., Hirunlabh, J. (2000). Ventilation Impact of a Solar Chimney on Indoor Temperature Fluctuation and Air Change in a School Building. Energy and Buildings; Vol.32:pp.89-93, Amsterdam.
- Khedari, J., Mansirisub, W., Chaima, S., Prathinthong, N., Hirunlabh, J.(2000). Field Measurement of Performance of Roof Solar Collector. Energy and Buildings. ;Vol.31:pp.171-8, Amsterdam.
- Kleunne, W.E. (2003). Energy Use for Space in RDP Houses. New Zealand: University of Auckland.
- Koenigsberger, et al. (1975). Manual of tropical Housing and Building (Part I) : Climatic Design. India: Longman Press.
- Krishan, A. and Agnihotri, M.R. (1992). Bio-climatic architecture – a fundamental approach to design. Architecture+Design, Vol. 9, No. 3, May-June, 1992, UK.
- Krishan, A. (2000). Climate Responsive Architecture- A Design Handbook for Energy Efficient Buildings. New Delhi: Tata McGraw-Hill Pub. Co. Ltd.
- Kubota, T.(2006). Usage of Air-conditioners & Windows in Residential Areas In Johor Bharu city: Planning Methods of Coastal Residential Areas in Consideration of Air Flow. The 7th International Seminar on Sustainable Environment and Architecture Hasnuddin, University Makassar, Indonesia.

- Kwok, A.G., Walter T. Grondzik. (2007). Environmental Strategies for Schematic Design. Elsevier Inc, UK.
- Lee, D. (1979). Contrasts in Warming and Cooling Rates at an Urban and Rural Site. Weather 24, Vol. 60-66, UK.
- Lee, William Chu Ching. (1998). Thermal Modelling and Control of Building Temperature. MSc. Thesis. University Malaysia Sarawak, Malaysia.
- Lippsmeier, G. (1969). Buildings in Tropics. New York: Reinhold Publishing Corporation.
- Martin, K. (1980). Housing Climate & Comfort. London: Architectural Press Ltd.
- McIntyre, D.A.(1978). Preferred Air Speeds for Comfort in Warm Conditions. ASHRAE Transactions V-84:pp.264-277, UK.
- Mendler, S., W. Odell and M. Lazarus. (2005). The HOK Guidebook to Sustainable Design. 2nd ed. New Jersey: John Wiley & Sons, Hoboken.
- Moore, W. (1990). Petronas Heritage Mapbook of Peninsular Malaysia. Petaling Jaya: Falcon Press Sdn Bhd.
- Ng, D.(1983). Malaya 1900-1930: a Retrospect of the Country Through Postcards. Petaling Jaya: Star Publications (M) Sdn Bhd.
- Nieuwolt, S. (1984). Design for Climate in Hot Humid Cities. New York: John Wiley & Sons.
- Oke, T.R. (1991). Urban Climatology and the Tropical City. USA:World Meteorological Organization.
- Olgyay, V. (1953). Bioclimatic Approach to Architecture. BRAB Conference Report No. 5, National Research Council, Washington, D.C.
- Olgyay, V. (1963). Design with Climate. USA: Princeton University Press.
- Pertubuhan Akitek Malaysia (PAM). (1990). 1890-1990: 100 Years Kuala Lumpur Architecture. Kuala Lumpur.
- Rai, G.S. (1992). The Listing of Heritage. Architecture + Design, Vol.9, No. 3, May-June 1992, UK.
- Rai, S. (1991). Attuned: Climate Sensitive Design and Energy Efficient Buildidngs. Indian Architects and Builders, April 1991, UK.
- Raikar, R.N.(1999). Heritage Conservation of Structure – Guidelines. New York: Wiley.

- Rao, K.R. and Prakash C. (1972). Thermal Performance Rating and Classification of Walls in Hot Climate. Building Digest, No. 101, CBRI, Roorkee, India.
- Rea, M.S.ed. (2000). IESNA Lighting Handbook 9th ed. New York: Illuminating Engineering Society of North America.
- Rincon, J., Almaso, N., Gonzalez, E. (2001). Experimental and Numerical Evaluation of A Solar Passive Cooling System Under Hot and Humid Climatic Conditions. Solar Energy ;Vol. 71:pp.71-80, UK.
- Roaf, S. (2004). Wind Catchers, Living with the Desert. London: Air & Philips.
- Salleh, R. (1989). Natural Ventilation in Terrace Housing of Malaysia. Master of Architectural Studies University Teknologi Malaysia, Malaysia.
- Salmon, C. (1999). Architectural Design for Tropical Regions. New York:Wiley.
- Samirah Abdul Rahman. (1999). Airflow and Thermal Comfort Studies in Naturally Ventilated Classrooms in a School. Ph.D of University Teknologi Malaysia, Malaysia.
- Santamouris, M. (2001). Natural Ventilation Handbook. London: James&James.
- Schiller Brager, G. and de Dear, R.J.(2000). A Standard for Natural Ventilation. ASHRAE Journal. V.42 (10), pp. 21-27.
- Sharma, M.R.(1994). Orientation of Buildings. Building Digest, No. 74, December 1969, CBRI, Roorkee, India.
- Sobin, H. (1983). Analysis of Wind Tunnel Data on Natural Ventilated Models. Arizona: Harris Sobin & Associates.
- Stein, B. et al. (2006). Mechanical and Electrical Equipment for Buildings. 10th ed. New York: John Wiley & Sons, Hoboken.
- Straatan, V.J.F. (1988). Thermal Performance of Buildings. Elsevier Pub. Co., Amsterdam.
- Sullivan,P., O. (1972). The Building as a Climatic Filter. Built Environment, July 1972, pp. 267-269, Amsterdam.
- Sullivan, R., and S. Selkowitz. (1986). Residential Heating and Cooling Energy Cost Implications Associated with Window Type. Report LBL – 21578. Lawrence Barkeley Laboratory, Barkeley, California.
- Szokolay,S. (1999). Sustaining the Future, Energy, Ecology, Architecture. Proc. Of the PLEA 99 Conference. PLEA International with University of Queensland, UK.
- Szokolay, S. (2003). Introduction to Architectural Science: the Basic of Sustainable Design. London: Architectural Press.

- Ubin, T.S.(2008). Uniform Building By-Laws 1984. Kuala Lumpur: John Wiley.
- UM CORE. (2006). Measured Drawing Report of British Colonial Houses in Kuala Lumpur. Kuala Lumpur: University Malaya.
- UTM. (1998). Measured Drawing Report of JKR 989. Johor: University of Teknologi.
- Watson, D. (1983). Energy Conservation through Building Design- An Architectural Record Book. New York: Mc-Graw Hill Company.
- Watson, D. and K. Labs. (1983). Climatic Building Design: Energy Efficient Building Principles and Practices. London:McGraw-Hill.
- Wilson, A. (2005). Insulation: Thermal Performance is the Beginning. Environmental Building News, Vol. 14, No.1, January, UK.
- Wise, A.F.E., D.E. Sexton, and M.S.T. Lillywhite. (1965). Studies of Air Flow Round Buildings. London: The Architects Journal 141.
- Wong, N.H., Shan S.K.(2003). Thermal Comofrt in Classrooms in the Tropics. Elsevier: Energy and Buildings 35.
- Wright, F.L. (1991). The Natural House. New York: Horizon Press.
- www.bca.gov.sg
- Yeang, K. (1995). Designing with Nature: The Ecological Basis for Architectural Design. New York: McGraw-Hill
- Yeang, K. (1996). The Skyscraper Bioclimatically Considered. London: Academy Editions.
- Yunus, N. (1986). Passive Ventilation of Buildings: A Review of Existing Studies and Potential for Energy Savings. MSc University Teknologi Malaysia, Malaysia.
- Zain-Ahmed, A.(2000). Daylighting and Shading for Thermal Comfort in Malaysian Building. PhD Thesis University of Hertfordshire, UK.
- Zain-Ahmed, A. and Abdul Rahman, S.(2000). Bioclimatic Approach to Modern Tropical Architecture. Proceedings of Seminar/workshop on Environment Townships for Developing Countries, University Putra Malaysia, Malaysia.
- Zakaria, Z., I. (2006). Thermal Design of Roof: Case Study of PWD new Quarters Design. Malaysia. Ph.D. University of Malaya, Malaysia.