

Mohammad Abu Taiyeb Chowdhury

Mailing Address

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Education

Ph.D., University of Western Ontario, London, Canada (Geography), 1988
M.A., University of Western Ontario, London, Canada (Geography), 1984
M.Sc., University of Dhaka, Dhaka, Bangladesh (Geography), 1981
B. Sc. (Hons.), University of Dhaka, Dhaka, Bangladesh (Geography), 1980

Research Interest

Development studies and planning; Geography of well-being and equity; agricultural policy; food security and nutrition- hidden hunger; natural resources conservation and management; climate change and human adaptation; environmental education

Teaching Interest/ Courses Taught

GES 1002 Development Geography
GES 1005 Education for Sustainable Development (ESD)
GES 513: Education for Sustainable Development (ESD)
GES 514: Sustainable Mountain Development (SMD)
GES 405: Environmental Degradation and Management
GES 301: Development of Geographical Thoughts and Concepts
ES2160: Environmental Science and Management (Guest Teacher at SUB)

Profile

Dr. Chowdhury is now Professor and former Chairman the Department of Geography and Environmental Studies from 2002 – 2005. He was elected a Fellow of the Royal Geographical Society (FRGS) with the Institute of British Geographers (IBG), London, U.K. in 1999. He has travelled in Asia, Europe and North America extensively, and has held academic positions at the University of Western Ontario, London, Canada; Ryerson University, Toronto, Canada, UN-ESCAP CAPSA, Bogor, Indonesia and Southern University Bangladesh (SUB), Chittagong. Presently, he is a member of the Academic Council of CU and SUB. He is also a member of the Editorial Board- Subject Editor, The Chittagong University Journal of Biological Sciences (2008- Present). In the past, he worked (2003-2006) for the

Chittagong University Journal of Science in a similar capacity. Recently, he has been appointed by the Springer as a Guest Reviewer of the Journal of Environment, Development and Sustainability. Dr. Chowdhury's many awards and scholarships include International Development Research Centre (IDRC, Ottawa) Energy Award, External Resources Division (ERD, Ministry of Finance) International Travel Award, International Atomic Energy Agency (IAEA, Vienna) Scholarship, University of Hohenheim Scholarship (Germany), University of Western Ontario Scholarship (1981-1988), Canadian Bureau for International Education (CBIE, Ottawa) Visa Bursary Award, and Dhaka University Post-Graduate Merit Scholarship. Prior to joining the University of Chittagong (2002), Dr. Chowdhury worked in Indonesia for four years (1998-2001) under a prescribed development/technical assistance program of the Government of Canada i.e. program funded by the Canadian International Development Agency (CIDA). As part of the program, he served the United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP, Bangkok, Thailand) as a long-term consultant in their agro-economic advisory field. He also worked for the UN-ESCAP Regional Coordination Centre for Research and Development of Coarse Grains, Pulses, Roots and Tuber (CGPRT) Crops in the Humid Tropics of Asia and the Pacific (now Centre for Alleviation Poverty through Sustainable Agriculture/CAPSA, based in Bogor, Indonesia) as Agricultural Economic Training Specialist. Of the major achievements, he conducted five regional training courses/ workshops including two in-country courses in the Philippines (jointly organized by the Philippine Council for Agriculture, Forestry and Natural Resources Research and Development/PCARD, Los Banos) and Sri Lanka (jointly organized by the Sri Lankan Department of Agriculture). He is an active member of the Sustainable Agriculture Technology Network Asia (SATNET Asia), managed by the UN-ESCAP CAPSA. Among his publications by the UN-ESCAP, Agricultural Planning in Asia (Chief Editor), An Agricultural Statistical Profile of Bangladesh (Lead Author), CGPRT Crops in the Philippines (Lead Author), and Database Management and Analytical Techniques for Agricultural Planning (Co-Author) are noteworthy. Professionally, he is well connected to the International Centre for Integrated Mountain Development (ICIMOD) Kathmandu, Nepal (through the Hindu-Kush Himalayan (HKH) University Consortium), Food Security Centre (FSC), University of Hohenheim, Stuttgart, Germany and The University of San Francisco, California, USA. At national- regional level, he is actively involved with the activities of Bangladesh Poribesh Andolon (BPA) and Bangladesh Environmental Lawyers Association (BELA), particularly in the area of Climate Change Education (awareness building program i.e. the Role of Local Government in Human Adaptation Processes) in the Greater Chittagong Region.

List of Selected Publications

Chowdhury, M.A.T. (2014) Environmental Science: Towards Environmental Management and Sustainable Development (Book in the Southern University Press)

Chowdhury, M.A.T. (2014) "Sustainable Natural Resources Management in Bangladesh: Issues and Challenges in the Governance of Freshwater Wetlands", Paper presented at the International Conference on Environment, Technology and Sustainable Development: Promises and Challenges in the 21st Century (ETSD2014)", held during March 2-4, 2014 at ABV- Indian Institute of Information Technology and Management (IIITM), Gwalior, MP, India (organized in collaboration with the University of San Francisco, California and the Institute for Social and Economic Change/ISEC, Bangalore). The paper has been selected for the SAGE publication- Book "Managing Sustainable Development: Case Studies of Governance and Adaptation in South Asia".

Hossain, M. Morshed, **M.A.T. Chowdhury**, K.Barkat Ali and others (2013) "Supply Water Quality in Urban Bangladesh: A Case Study of Chittagong Metropolitan City to Improve Service Delivery", (Paper accepted for presentation at the Asian Water Week 2013 in Manila (12-13 March) by the Asian Development Bank /ADB, Philippines). Link: <http://scribd.com/doc/131384858/AWW2013>

- Chowdhury, M.A.T. (2014)** "Magnitude of Hidden Hunger in Asia: Approaches to Reach a Sustainable Nutrition Solution in the Region", Paper presented at the International Congress Hidden Hunger (ICHH), Stuttgart, Germany during 6-9 March 2013, and now accepted for publication in the February 2014 issue of The Asian Profile, Asian Research Service, Vancouver, British Columbia, Canada
- Chowdhury, M.A.T., M. I. Sarwar and M. Muhibullah (2013)** "Environmental Education at School Level in Bangladesh: Observations with Reference to the National Curriculum, Bangladesh Education Journal, BAFED, IED-BRACU, and UNESCO, Vol. 12, Number 1, pp.27-36, June 2013.
- Chowdhury, M.A.T. (2013)** Magnitude of Hidden Hunger in Sub-Saharan Africa: Approaches to Reach a Sustainable Nutrition Solution in the Region", Australian International Food Security Centre, June 2013
- Chowdhury, M.A.T. (2013)** "Greening Business: Issues and Challenges", Proceedings of the Seminar on Business and Environment, held on 3rd January, 2013 at the Faculty of Business Administration, Department of Accounting and Information Systems (under HEQEP CP-140), University of Chittagong. pp. 8-20., January 2013 (awaiting probable publication in the Journal of Business Studies)
- Chowdhury, M.A.T. (2012)** "Education for Sustainable Development: The Role of Environmental Education in Bangladesh Universities", Journal of General Education, Southern University Bangladesh, Vol. II, pp. 6-25, December 2012.
- Chowdhury, M.A.T. (2012)**, "Meeting Food Security Needs through Sustainable Agriculture: A Perspective with reference to Bangladesh, The Palawija, UN-ESCAP CAPSA, Bogor, Indonesia, Vol. 29. No. 2 pp. 1-6, August 2012.
- Syem, M.A., and **M.A.T. Chowdhury** (2011), "Regional Patterns of Foodgrain Production in Bangladesh: Implications for National Food Security and the Environment", Asian Profile (Asian Research Service, British Columbia, Canada), Vol. 39, No. 4 pp. 319-334, August 2011
- Chowdhury, M.A.T. (2009)**, "Sustainability of Accelerated Rice Production in Bangladesh: Technological Issues and the Environment", Bangladesh Journal of Agricultural Research, Vol. 34, No. 3, 2009, pp. 523-529, September 2009
- Sarwar, M. Iqbal and **M.A.T. Chowdhury (2008)** "Quality of Urban Neighbourhood Environment: A Case Study of Resident's Perception in Chittagong City, Bangladesh, The Journal of Geo-Environment, Vol. 8, pp. 30-41, 2008
- Hossain, M.S., Sayedur R. **Chowdhury and M.A.T. Chowdhury (2007)**, "Integration of Remote Sensing, GIS and Participatory Approaches for Coastal Island Resource Use Zoning in Bangladesh" ,Songklanakarin Journal of Social Science and Humanities (Thailand), Vol. 13, No. 3, pp. 413-43, July-September 2007.
- Muhibullah, M. **M.A.T. Chowdhury** and M.I. Sarwar (2007) "Floristic Condition and Species Distribution in the Sundarban Mangrove Forest Community, Bangladesh", Journal of Biological Sciences, Vol. 7, Number 2, pp. 384-388, 2007
- Alam, M. Edris, **M.A.T. Chowdhury**, Marshia T. Akbar and M. Hiamul Islam (2005), "Prospect of Eco-Tourism Development in the Cox's Bazar Coastal Belt of Bangladesh", Journal of Business and Society, Southern University Bangladesh, Vol. 4, No. 3. pp. 55-60, December 2005

- Chowdhury, M.A.T.**, M.S. Hossain and M. Muhibullah (2005) "Coastal Shrimp Culture in Bangladesh: Economic, Social and Environmental Implications", The Indonesian Quarterly, Vol. 33. Number 3. pp. 296-319, Third Quarter 2005
- Hossain, M.S., M. Shafiqul Islam, and **M.A.T. Chowdhury (2005)** "Shore Based Pollution Sources of The Karnafully River and the Effects of Oil-Grease on the Riverine Environment", The Journal of Geo-Environment, Vol. 5, pp. 55-66, 2005
- Hossain, M.S., Sayedur R. Chowdhury, **M.A.T. Chowdhury** and M. Shafiqul Islam (2005) "Towards a Map of Coastal Natural Resources of UkhiaUpazila, Bangladesh", The Oriental Geographer, Vol. 49. Number 2. pp. 235-246, July 2005 (The Bangladesh Geographical Society)
- Alam, M. Edris, **Chowdhury, M.A.T.** and Marshia, T. Akbar (2005), "Aspects of Socio-Environmental Problems Resulting from Hill Cutting in the City of Chittagong, Bangladesh: Local People's Perspective", Pakistan Journal of Social Sciences, Vol. 3. Number 8. 2005, pp. 1048-1052
- Muhibullah, M., S. Mamtaz, **M.A.T. Chowdhury**, and M.I. Sarwar (2005), "Use of Agrochemicals and their Impacts on Soil, Water and Human Health in the Rasulpur Village of Mymensingh District, Bangladesh", Bangladesh Journal of Agriculture and Environment, Vol. 1. Number 1. pp. 7-17, June 2005
- Muhibullah, M., S. Mamtaz, and **M.A.T. Chowdhury (2005)**, "Use of Chemical Fertilizers and their Impacts on Soil, Water and Human Health in the KhamargaoVillage of Mymensingh District, Bangladesh", Journal of Agronomy, Vol. 4. Number 2pp. 109-115.
- Muhibullah, M., S.M. Nurul Amin and **M.A.T. Chowdhury (2005)** "Some Physico-chemical Parameters of Soil and Water of Sundarban Mangrove Forest, Bangladesh, Journal of Biological Sciences, Vol. 5, Number 3, pp. 354-357, May-June, 2005
- Chowdhury, M.A.T. (2001)**, "Globalization and Human Economic Security: Issues and Constraints", The Indonesian Quarterly, Vol. XXIX, Number 1. pp. 63-73, First Quarter 2001
- Chowdhury M, A.T.** and M. Arif (2001) "CGPRT Crops in the Philippines: A Statistical Profile1990-1999", CGPRT WP 60, UN-ESCAP, Bogor, Indonesia, 2001.
- Chowdhury, M.A.T.** and Harry Zulfikar (2001), "An Agricultural Statistical Profile of Bangladesh, 1947-1999" (including policy review, analysis and recommendations), CGPRT WP 54, UN-ESCAP, Bogor, Indonesia, February 2001..
- Chowdhury, M.A.T. (2000)**, "Global Food Security in the 21st Century: A Supply Side Perspective with Reference to Cereal", The Indonesian Quarterly, Vol. XXVII, Number 1. pp. 17-28, First Quarter 2000
- Chowdhury, M.A.T.**, Gary. G. Timoshenko, P. Simatupang and Douglas, R. Stolz (Eds. 1998) "Agricultural Planning in Asia", Proceedings of an International Seminar/Workshop (CGPRT No. 37) held during 13-24 April, 1998, Bogor, Indonesia (organized and published by the UN-ESCAP)
- Bottema, J.W.T., Siemon Hollema and **M.A.T. Chowdhury (Eds. 1998)**, "Database Management and Analytical Techniques for Agricultural Planning: A Course Manual", CGPRT Monograph No. 35, UN-ESCAP. Bogor, Indonesia
- Chowdhury, M.A.T.** and M.J. Troughton (1989) "Dimensions of Development and Change in Rural Bangladesh, 1960-1980", Rural Systems, Journal of the International Geographical Union (IGU) Commission on Changing Rural Systems, Vol, II, No. 1, pp. 1-24, March 1989.

Chowdhury, M.A.T. and S. Shahid Shaukat (1984) "Spatial Distribution of Health Care Facilities in Bangladesh: A Multivariate Analysis", Ilmu Alam, Journal of the Department of Geography, National University of Malaysia (UKM), Number 12 and 13, pp. 55-64, 1984.

On-going research activities

- Supply water using patterns and its health impacts on urban dwellers in Bangladesh: A case study of Chittagong Metropolitan City
- Vulnerability assessment of climate risks: A case study of cyclonic disaster in the coastal belt of Patuakhali District, Bangladesh
- Solid waste management in Chittagong Metropolitan City: A case study of selected market areas
- Patterns of development and its' change in Bangladesh: An inter-regional variation 1980-2000
- The role of micro credit in poverty reduction: A case study of Char Ruhita Union, Sadar Lakshmipur