

Profile

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Introductory overview

Associate Professor Mohammad Alauddin's academic career in Australia spans four decades, initially as an RHD student and part-time academic at the University of Adelaide and the University of Newcastle, and more importantly, since 1988 as a full-time academic in two best-known Australian Schools of Economics at the University of Melbourne, and The University of Queensland.

Associate Professor Alauddin has sustained an active research agenda in environment, development and productivity growth focusing on agriculture. Associate Professor Alauddin has all four top journals in the field of development economics: *Economic Development and Cultural Change*, *Journal of Development Economics*, *Journal of Development Studies*, and *World Development*. He has also published in four leading journals in the field of environmental and resource economics: *Ecological Economics*, *Environmental and Resource Economics*, *Journal of Environmental Economics and Management*, and *Land Use Policy*. His other publication outlets include internationally reputed applied economics journals: *Agricultural Economics*, *Applied Economics*, *Development and Change*, *Food Policy*, and *Oxford Bulletin of Economics and Statistics*. His research has added new dimensions to measurement of agricultural crop water productivity involving panel data.

To date, he has authored/co-authored (edited) (a) more than 75 refereed journal articles; (b) four books with leading international publishers [Macmillan 1991, 1998 (**A1**); Edward Elgar 2001 (**A1**); Macmillan 1999 (**A3**)]; (c) 24 refereed book chapters; (d) one edited conference monograph [1996]; and (e) one research monograph [A2]. This research includes publishing with the leading economists at UQ, Professor Clem Tisdell, ARC Laureate Fellow (currently UQ Vice Chancellor's Senior Research Fellow) John Quiggin, and Professor Prasada Rao, International Food Policy Research Institute (IFPRI) economist Derek Headey, International Water Management Institute (IWMI) senior researchers Upali Amarasinghe and Bharat Sharma), and South West Fisheries Science Centre, National Marine Fisheries Science, National Oceanic and Atmospheric Administration, US Department of Commerce senior industry economist Professor Dale Squires.

Dr Alauddin has garnered international reputation as a researcher in terms of views of the leading authorities in the field and citations in quality mainstream and multidisciplinary journals. Much of his research has been cited at least a decade after they were first published, in some cases at least two and half decades after publication typifying enduring quality and relevance of my works. His first book (Alauddin & Tisdell, 1991) remains a definitive piece on the Green Revolution in agriculture almost three decades after publication (the latest citation in 2020).

Additionally, Dr Alauddin led three competitive research grants - one Australian Research Council (ARC) Discovery (\$208, 000, 2006-2008 and 2 Australian Centre for International Agricultural Research (ACIAR) funded (\$156,000, 2011-2012 and \$91,631, 1996-1999). I have also been associated with five other highly regarded and competitive research grants funded by ARC (large grant 25,000, 1992-1993, ACIAR (\$150,000 - 2010-2011; (\$150,000 - 2014-2015) and International Labour Organization (ILO) (20,000 – 1991; \$32,000 – 2003-2004).

Associate Professor Alauddin's expertise as a researcher of repute is valued by the academic and professional community within and outside Australia as evidenced by invitations to serve as an external examiner for a range of universities both on a national and international stage. Top-level journals in the field invite him to review papers on a regular basis. He has also served as a panel member for review of a program of World Fish Centre.

Dr Alauddin has taught both core and specialist areas at undergraduate and postgraduate levels, including microeconomic theory and policy, managerial economics, statistics, and ecological economics. He has most recently taught the postgraduate development economics, and research methods in economics courses. Dr Alauddin always challenged his perceptions in teaching and experimented with alternative teaching approaches with a view to providing an intellectual challenge and fostering independent thinking within students to improve learning outcomes and their employability. This belief stimulated him into undertaking a second PhD in Education. His own research on higher education and the works of leaders in the field including John Biggs and William Becker have underpinned his teaching philosophy.

Associate Professor Alauddin added a new dimension to his teaching role by demonstrating evidence of fostering synergy between teaching and research and promoting scholarship in teaching and learning in higher education. For two decades he has sustained an active research agenda in this field as evidenced by 14 papers on various aspects of teaching and learning in higher education (including statistics anxiety). His education PhD, publications and on-going interest in this vital area have added a new dimension to his role as a university academic by demonstrating evidence of fostering synergy between teaching and research and promoting scholarship in teaching and learning in higher education. In 2003, Associate Professor Alauddin jointly with Leslie Alan Duhs created the Australasian Journal of Economics Education (*AJEE*) as a platform for promoting research-led teaching in higher education. Since 2009, the journal has been run by editors located at Macquarie University. *AJEE* is recognised by UQ School of Economics as a publication outlet along with *Journal of Economic Education*, and *International Review of Economics Education* for the teaching-focused academics.

Dr Alauddin's teaching approach has been well received by students and he consistently received student ratings, at 4 or higher on a 5-point scale when combined over more than one semester and across courses.

Associate Professor Alauddin successfully supervised four PhD students as principal advisor, and seven students as associate advisor. In addition, he has successfully supervised 6 Honours, 10 coursework masters, 9 postgraduate diploma, 1 MBA theses and projects in a range of research areas including mathematics and differing socio-economic contexts.

Research Interests

- Development Economics
- Environmental Economics
- Economics Education
- Agricultural Economics
- Applied Econometrics

Qualifications

- Doctor of Philosophy (Education), University of Queensland, Australia, admitted 2012
- Graduate Certificate in Education, University of Queensland, Australia, admitted 1999
- Doctor of Philosophy (Economics), University of Newcastle, Australia, admitted 1988
- Master of Economics (by research), University of Adelaide, Australia, admitted 1981
- Master of Arts (First Class, Economics major), Rajshahi University, Bangladesh, admitted 1972
- Bachelor of Arts (Hons. First Class, Economics major) Rajshahi University, Bangladesh, admitted 1971

Employment History

- Associate Professor (Level D, continuing), University of Queensland, Australia, 2012 – 2020.
- Senior Lecturer (Level C, continuing), University of Queensland, Australia, 1993 – 2011.
- Lecturer (Level B, continuing), University of Queensland, Australia, 1990 – 1992.
- Lecturer (Level B, fixed term), University of Melbourne, Australia, 1989.
- Senior Tutor (Level A), University of Melbourne, Australia, 1988.

Current Research

Submitted Paper(s):

- Alauddin, M., Tisdell, C.A. and Sarker, M.A.R. (2021). Have Conway's Predictions about the Effects of the Green Revolution been Realized? An Investigation of Six Decades of Bangladeshi Rice Data.

Work in Progress

- (with C.A. Tisdell and M.A.R. Sarker). To what extent and why has annual multiple cropping of land increased in Bangladesh? Evidence, consequences, and policy implications.
- (with C.A. Tisdell and M.A.R. Sarker). Does agricultural intensification promote land-saving and environmental conservation? Rice in Bangladesh as an illustrative example.
- (with Clement Tisdell and M A Rashid Sarker). Do diversity indices really measure cropping diversity? An illustration using seven decades of Bangladeshi crop data.
- (with M A Rashid Sarker and Mustafa K Mujeri). Why structural breaks differ among Bangladeshi districts: An econometric investigation using seven decades of rice production data.
- (with M A Rashid Sarker and Mustafa K Mujeri). Are there any hotspots and bright spots in rice production in Bangladesh? An econometric exploration employing seven decades of district-level panel data.
- (with Md. Shahiduzzaman). The business cycle effects of global rice yields: Asymmetric and time-varying analysis.

Publications and Research

Books

- Alauddin, M. and Hossain, M. (2001) *The Environment and Agriculture in a Developing Economy: Problems and Prospects in Bangladesh*, London Edward Elgar, ix + 276pp.
- Alauddin, M. and Tisdell C.A. (1998) *The Environment and Economic Development in South Asia: An Overview Concentrating on Bangladesh*, [with Foreword by Professor John W Mellor, Cornell University, and International Food Policy Research Institute] London Macmillan, xxi+219pp.
- Alauddin, M. and Tisdell C.A. (1991) *The Green Revolution and Economic Development: The Process and Its Impact in Bangladesh*, London Macmillan, xxi+322pp.

Monograph

- Rao, D.S.P, Coelli, T.J and Alauddin, M. (2005) *Agricultural Productivity Growth, Employment and Poverty in Developing Countries, (1970-2000)*, Employment Strategy Paper 20004/9, Geneva: Employment Strategy Unit, International Labour Office. (ISBN 92-2-116759-3).

Edited books

- Alauddin, M., Mujeri, M.K. & Nath, D.K. (2016). *Bangladesh: Yesterday Today Tomorrow* (Essays in Honour of Professor Sanat Kumar Saha). ix + 404pp. Dhaka: Sahitya Prakash.

- Alauddin, M. and Hasan, S. (1999) *Development, Governance and the Environment in South Asia: A Focus on Bangladesh*, [with Foreword by Emeritus Professor W Brian Reddaway, Cambridge] London Macmillan, xxiv + 372pp.

Selected publications of enduring relevance (cited ≥ 25 years after publication)

- Alauddin, M. and Tisdell C.A. (1991) *The Green Revolution and Economic Development: The Process and Its Impact in Bangladesh*, London Macmillan, xxi+322pp.
- Alauddin, M. & Tisdell, C.A. (1995). Labour absorption and agricultural development in Bangladesh: Prospects and predicaments, *World Development*, 23(2), 281-297.
- Squires, D., Alauddin, M. & Kirkley, J. (1994). Individual transferable quota markets and investment decisions in the fixed gear sablefish industry, *Journal of Environmental Economics & Management*, 27, 185-204.
- Alauddin, M. and Tisdell, C.A. (1988). Impact of new agricultural technology on the instability of food grain production and yield data analysis for Bangladesh and its districts, *Journal of Development Economics*, 29(2), 199-227.
- Alauddin, M. and Tisdell, C.A. (1988). The use of input-output analysis to determine the appropriateness of technology and industries evidence from Bangladesh, *Economic Development & Cultural Change*, 36(2), 369-392
- Alauddin, M. (1986). Identification of key sectors in the Bangladesh economy: A linkage analysis approach, *Applied Economics*, 18(4), 422-441.
- Alauddin, M. and Tisdell, C.A. (1987). Trends and projections in Bangladeshi food grain production: An alternative viewpoint, *Food Policy*, 12(4), 318-331.
- Alauddin, M. and Tisdell, C.A. (1986). Market analysis, technical change and income distribution in semi-subsistence economies: The case of Bangladesh, *Agricultural Economics*, 1(1), 1-18.
- Alauddin, M. & Tisdell, C.A. (1986). Decomposition methods, agricultural productivity growth and technological change: a critique supported by Bangladeshi data, *Oxford Bulletin of Economics & Statistics*, 48(4), 353-372.

Selected publications as definitive research in the field

- Kabir, M.J., Alauddin, M. & Crimp, S. (2017). Farm-level adaptation to climate change in Western Bangladesh: An analysis of adaptation dynamics, profitability, and risks, *Land Use Policy*, 64, 212-224.
- Alauddin, M. & Sarker, M.A.R. (2014). Climate change and farm-level adaptation decisions in drought-prone and groundwater-depleted areas of Bangladesh: an empirical exploration, *Ecological Economics*, 106, 204-213.
- Alauddin, M. & Ashman, A.F. (2014). Changing academic environment and diversity in students' study philosophy, beliefs, and attitudes in higher education. *Higher Education Research & Development*. 33(5), 857-870.
- Alauddin, M. & Sharma, B.R (2013). Inter-district rice water productivity differences in Bangladesh: An empirical exploration and implications. *Ecological Economics*, 93, 210-218.

- Hoang, V-N. & Alauddin, M. (2011). Input-Orientated data envelopment analysis framework for measuring and decomposing economic, environmental, and ecological efficiency: An application to OECD agriculture, *Environmental & Resource Economics*, 51, 431–452
- Headey, D., Alauddin, M. & Rao, DSP (2010). Explaining agricultural productivity growth: an international perspective. *Agricultural Economics*, 41, 1-14.
- Alauddin, M., & Nghiem, HS (2010). Do instructional attributes pose multicollinearity problems? An empirical exploration. *Economic Analysis and Policy* 40 (3), 351-361
- Alauddin, M. & Quiggin, J. (2008). Agricultural intensification, irrigation, and the environment in South Asia: Issues and policy options, *Ecological Economics*, 65(1), 111-124.

Selected Peer Reviewed Articles

- Alauddin, M., Sarker, M.A.R., Islam, Z. and Tisdell, C.A. (2020). Adoption of alternate wetting and drying (AWD) irrigation as a water-saving technology in Bangladesh: Economic and environmental considerations, *Land Use Policy*, 91 (104430).
- Kabir, M.J., Cramb, R., Alauddin, M., Gaydon, D.S. and Roth, C.H. (2020). Farmers' perceptions and management of risk in rice/shrimp farming systems in South-West Coastal Bangladesh, *Land Use Policy*, 95 (104577).
- Hasan, M.M, Alauddin, M., Sarker, M.A.R., Jakaria, M. & Alamgir, M. (2019). Climate sensitivity of wheat yield in Bangladesh: Implications for the United Nations sustainable development goals 2 and 6. *Land Use Policy*, 87. (<https://doi.org/10.1016/j.landusepol.2019.104023>).
- Kabir, M.J., Cramb, R., Alauddin, M. and Gaydon, D.S. (2019). Farmers' perceptions and management of risk in rice-based farming systems of south-west coastal Bangladesh, *Land Use Policy*, 86, pp.177-188.
- Tisdell, C.A., Alauddin, M., Sarker, M.A.R. and Kabir, M.A. (2019). Agricultural Diversity and Sustainability: General Features and Bangladeshi Illustrations, *Sustainability*, 11, 6004; doi:10.3390/su11216004.
- Islam, Z., Alauddin, M. & Sarker, M.A.R. (2017). Determinants and implications of crop production loss: An empirical exploration using ordered probit analysis, *Land Use Policy*, 67, 527-536.
- Kabir, M.J., Alauddin, M. & Crimp, S. (2017). Farm-level adaptation to climate change in Western Bangladesh: An analysis of adaptation dynamics, profitability, and risks, *Land Use Policy*, 64, 212-224.
- Alauddin, M. Ashman, A., Nghiem, S. & Lovell, K. (2017). What determines students' expectations and preferences in university teaching and learning? An instrumental variable approach. *Economic Analysis and Policy*, 56, 18-27.
- Alauddin, M. Ashman, A., Nghiem, S. & Lovell, K. (2016). What determines students' study practices in university teaching and learning? An instrumental variable approach. *Economic Analysis and Policy*, 51, 46-54.

- Kifle, T. & Alauddin, M. (2016). What determines students' perceptions in course evaluation rating in higher education? An econometric exploration, *Economic Analysis and Policy*, 52, 123-130.
- Alauddin, M. & Sarker, M.A.R. (2014). Climate change and farm-level adaptation decisions in drought-prone and groundwater-depleted areas of Bangladesh: an empirical exploration, *Ecological Economics*, 106, 204-213.
- Alauddin, M. & Ashman, A.F. (2014). Changing academic environment and diversity in students' study philosophy, beliefs, and attitudes in higher education. *Higher Education Research & Development*. 33(5), 857-870.
- Alauddin, M. & Sharma, B.R (2013). Inter-district rice water productivity differences in Bangladesh: An empirical exploration and implications. *Ecological Economics*, 93, 210-218.
- Hoang, V-N. & Alauddin, M. (2011). Input-Orientated data envelopment analysis framework for measuring and decomposing economic, environmental, and ecological efficiency: An application to OECD agriculture, *Environmental & Resource Economics*, 51, 431-452.
- Headey, D., Alauddin, M. & Rao, DSP (2010). Explaining agricultural productivity growth: an international perspective. *Agricultural Economics*, 41, 1-14.
- Alauddin, M. & Quiggin, J. (2008). Agricultural intensification, irrigation, and the environment in South Asia: Issues and policy options, *Ecological Economics*, 65(1), 111-124.
- Alauddin, M. (2004). Environmentalizing economic development: A South Asian perspective, *Ecological Economics*, 51, 251-270.
- Alauddin, M. (2003). Trade liberalisation and environmental concerns: A South Asian perspective, *South Asia*, 26(3), 39-453.
- Alauddin, M. & Tisdell, C.A. (1995). Labour absorption and agricultural development in Bangladesh: Prospects and predicaments, *World Development*, 23(2), 281-297.
- Squires, D., Alauddin, M. & Kirkley, J. (1994). Individual transferable quota markets and investment decisions in the fixed gear sablefish industry, *Journal of Environmental Economics & Management*, 27, 185-204.
- Alauddin, M., Squires, D. & Tisdell, C.A. (1993). Divergency between average and frontier production functions: an empirical investigation for Bangladesh, *Applied Economics*, 25, 379-388.
- Mujeri, M.K., Alauddin, M. and Tisdell, C.A. (1993). Consumption, savings and investment by social class in Bangladesh: Does the rural sector support the urban sector? *Journal of Development Studies*, 30(1), 226-245.
- Roy, K.C., Alauddin, M. and Tisdell C.A. (1992). Rural-urban migration, poverty, and security in south Asia some theoretical and empirical issues, *Journal of Contemporary Asia*, 22(1), 57-72.
- Alauddin, M. and Tisdell, C.A. (1989). Poverty, resource distribution and security: The impact of new agricultural technology in rural Bangladesh *Journal of Development Studies*, 25(4), 550-570.

- Alauddin, M. and Tisdell, C.A. (1989). Bio-chemical technology and Bangladeshi land productivity Diwan and Kallyanpur's analysis reapplied and critically examined, *Applied Economics*, 21(6), 741-760.
- Alauddin, M. and Tisdell, C.A. (1988). Impact of new agricultural technology on the instability of food grain production and yield data analysis for Bangladesh and its districts, *Journal of Development Economics*, 29(2), 199-227.
- Alauddin, M. and Tisdell, C.A. (1988). The use of input-output analysis to determine the appropriateness of technology and industries evidence from Bangladesh, *Economic Development & Cultural Change*, 36(2), 369-392.
- Alauddin, M. and Tisdell, C.A. (1986). Market analysis, technical change and income distribution in semi subsistence economies: The case of Bangladesh, *Agricultural Economics*, 1(1), 1-18.
- Alauddin, M. and Tisdell, C.A. (1986). Bangladeshi and international agricultural research administrative and economic issues, *Agricultural Administration*, 21(1), 1-20. (Subsequently *Agricultural Systems*).
- Alauddin, M. (1986). Identification of key sectors in the Bangladesh economy: A linkage analysis approach, *Applied Economics*, 18(4), 422-441.
- Alauddin, M. & Tisdell, C.A. (1986). Decomposition methods, agricultural productivity growth and technological change: a critique supported by Bangladeshi data, *Oxford Bulletin of Economics & Statistics*, 48(4), 353-372.
- Alauddin, M. & Mujeri, M.K. (1986). Growth and change in the crop sector of Bangladesh: A disaggregated analysis, *Journal of Contemporary Asia*, 16(1), 55-74.

Book Chapters

- Alauddin, M. (2016). Introduction. In: M. Alauddin, M.K. Mujeri & D.K. Nath (eds). *Bangladesh: Yesterday Today Tomorrow*, Dhaka: Sahitya Prakash, pp.1-7.
- Alauddin, M. (2005). Recent Developments in the Bangladesh Economy, in Jha, R. (ed.) *Economic Growth, Economic Performance and Welfare in South Asia*, Basingstoke Palgrave Macmillan, pp.11-27. (Invited).
- Alauddin, M. (2004). Bangladesh's Agriculture in Reform Mode: Experiences, Obstacles and Prospects, in Bhattacharyya, M., Smyth, R. and Vicziany, M. (eds.) *South Asia in the Era of Globalisation: Trade, Industrialization and Welfare*, Nova Science Publishers Inc. NY, pp.145-63. (Invited).
- Tisdell, C.A. and Alauddin, M. (2003). Market-oriented Reforms and Poverty in Bangladesh, in K. Sharma (ed.), *Trade Policy, Growth and Poverty in Asian Developing Countries*, London: Routledge, pp.189-201.
- Alauddin, M. (2003) 'Trade and Regional Integration Issues for Bangladesh: Predicaments and Prospects', in Hossain, M., Nurunnabi, AKM and Islam, I. (eds.) *Bangladesh's Development Agenda and Vision: Rhetoric and Reality*, Dhaka: University Press Ltd., pp.91-108.
- Alauddin, M. and Hasan, S. (1999) 'Views and perspectives on the development-governance-environment nexus', in M. Alauddin and S. Hasan (eds.) *Development, Governance and the Environment in South Asia A Focus on Bangladesh*, London Macmillan, pp.1-16.

- Alauddin, M. (1999). Trade among South Asian Nations Complementarities and Competitiveness, in M. Alauddin and S. Hasan (eds.), *Development, Governance and the Environment in South Asia: A Focus on Bangladesh*, London Macmillan, pp.125-39.
- Jahan, N. and Alauddin, M. (1999). Women and the Environment with Special Reference to Rural Bangladesh', in M. Alauddin and S. Hasan (eds.), *Development, Governance and the Environment in South Asia: A Focus on Bangladesh*, London Macmillan, pp.301-13.
- Alauddin, M. and Hamid, A. (1999). Coastal Aquaculture in South Asia Past Experiences and Lessons Learned, in M. Alauddin and S. Hasan (eds.), *Development, Governance and the Environment in South Asia: A Focus on Bangladesh*, London Macmillan, pp.289-99.
- Alauddin, M. (1999). South Asia's Experiences, Challenges and Prospects in Global Context, in M. Alauddin and S. Hasan (eds.), *Development, Governance and the Environment in South Asia: A Focus on Bangladesh*, London Macmillan, pp.315-331.
- Jahan, N., Alauddin, M. and Tisdell, C.A. (1999). Structural Reforms in Bangladesh Their Impact on Efficiency in Resource-Use, Equity and Environment, in R.T. Shand (ed.) *Economic Liberalisation in South Asia*, New Delhi, Macmillan, pp.436-464.
- Alauddin, M. (1997). The Readymade Garment Industry of Bangladesh and Changing Structure of Foreign Trade, in K.C. Roy, H.P. Blomqvist and I. Hossain (eds.) *Development That Lasts*, New Delhi, New Age International, 1997, pp.99-113.
- Tisdell, C.A. and Alauddin, M. (1997). The Environment and Development in South Asia, in K.C. Roy, H.P. Blomqvist and I. Hossain (eds.) *Development That Lasts*, New Delhi New Age International, 1997, pp.139-150.
- Alauddin, M., Mujeri, M.K. and Tisdell, C.A. (1995). Technology-Employment-Environment Linkages and the Rural Poor of Bangladesh Insights From Farm-Level Data', in I. Ahmed and J.A. Doeleman (eds.) *Beyond Rio The Environmental Crisis and Sustainable Livelihoods in the Third World*, London, Macmillan, pp.221-255.
- Alauddin, M. and Hamid, A. (1999) Shrimp Culture in Bangladesh with Emphasis on Social and Economic Aspects', in Smith, P.T (ed. 1999) *Towards Sustainable Shrimp Culture in Thailand and the Region*, ACIAR Proceedings No. 90, Canberra, Australian Centre for International Agricultural Research, pp.53-62.
- Alauddin, M. and Tisdell, C.A. (1989). Rural Poverty and Resource Distribution in Bangladesh 'Green Revolution' and Beyond', in B. Greenshields and M. Bellamy (eds.) *Government Intervention in Agriculture: Cause and Effect* (IAAE Occasional Paper No.5), Aldershot, UK Dartmouth Publishing Company, pp.247-253.
- Alauddin, M. and Tisdell, C.A. (1988). New Agricultural Technology and Sustainable Food Production Bangladesh's Achievements, Predicaments and Prospects, in C.A. Tisdell and P. (eds.) *Technological Change, Development and the Environment: Socio-Economic Perspectives*, London: Routledge, pp.34-61.

Research Grants

Concluded

- Saiful Karim, Mohammad Alauddin, Stephen Harrison, Tevita Kete, Jimmy Rantes, Rexon M. Viranamangga, Caroline A. Sullivan, Samuela Lagataki, Craig Johns (2014-2015), Promoting sustainable agriculture and agroforestry to replace unproductive

land-use in Fiji and Vanuatu, Australian Centre for International Agricultural Research (ACIAR), (ADP/2014/013), (\$150,000, 25% contribution)

- Mohammad Alauddin, (2011-12), Policy constraints in rice-based farming systems in Bangladesh, Australian Centre for International Agricultural Research (ACIAR), (ASEM/2011/005) (\$156,860, 100% contribution)
- Robert Cramb and Mohammad Alauddin, (2010-11), Agricultural policies affecting rice-based farming systems in Bangladesh, Cambodia, and Lao PDR, Australian Centre for International Agricultural Research (ACIAR), (ASEM/2009/039), (\$150,000, 30% contribution)
- Alauddin, DSP Rao, TJ Coelli (2006-08), The sustainability of agricultural productivity growth in a changing environment, ARC (DP0663809), (\$208,000, 33% contribution)
- DSP Rao, TJ Coelli, M Alauddin (2003-04) Agricultural Productivity Growth, Employment and Poverty in Developing Countries, 1970-2000), International Labour Organization (ILO), (\$32,691, 25% contribution)
- Mohammad Alauddin (1996-99) Economic, Social and Environmental Implications of Integrated Rice-Shrimp Farming System in Bangladesh A Feasibility Study, Australian Centre for International Agricultural Research (ACIAR), (\$91,631, 100% contribution)
- Mohammad Alauddin (1994) Social, Economic and Environmental Implications of Shrimp Farming in Bangladesh, ACIAR (\$7,200, 100% contribution)
- C A Tisdell, K C Roy, M Alauddin (1993-94) Poverty, Environment and Economic Development: Case Studies from Bangladesh and West Bengal, India, ARC (\$25,000, 33% contribution)
- South West Fisheries Science Centre, National Marine Fisheries Science, National Oceanic and Atmospheric Administration, US Department of Commerce, 1992 (approx. value of \$30,000 to fully fund a two-month visiting faculty fellowship).
- M Alauddin, CA Tisdell & MK Mujeri (1991) Employment, Environmental Protection and Development in Rural Bangladesh, International Labour Organization (ILO) (\$20,000, 40% contribution)

Reviewer of papers submitted to journals

- *Agricultural Economics*
- *Agricultural Water Management*
- *Applied Economics*
- *Aquaculture Economics & Management*
- *Australia-Japan Research Centre, Australian National University*
- *Australian Economic Papers*
- *Australian Journal of Agricultural and Resource Economics*
- *Australasian Journal of Environmental Management*
- *Climate and Development*
- *Ecological Economics*
- *Economic Analysis and Policy*
- *Economic Papers*
- *European Review of Agriculture*

- *Global Business and Economics Review Journal of International Trade & Development*
- *Griffith University, Office of Research*
- *International Journal of Energy Research*
- *Journal of Asia Pacific Economy*
- *Journal of Developing Areas*
- *Journal of Development Economics*
- *Journal of Environmental Management*
- *Land Use Policy*
- *Review of Marketing and Agricultural Economics*
- *Singapore Economic Review*
- *Singapore Journal of Tropical Geography*
- *Sustainable Development*
- *Environment and Sustainable Development*
- *Studies in Higher Education*
- *Higher Education*

Higher Degree Research Thesis Examiner

- *Central Queensland University*
- *Deakin University*
- *Griffith University*
- *James Cook University*
- *La Trobe University*
- *Macquarie University*
- *Queensland University of Technology*
- *University of Southern Queensland*
- *University of Wollongong*
- *University Putra Malaysia*
- *Bharathidasan University, Tamil Nadu, India*
- *Madurai Kamaraj University, Tamil Nadu, India*
- *Manonmaniam Sundaranar University, Tamil Nadu, India.*
- *Peshawar Agricultural University, Pakistan*
- *Punjab University, Pakistan*
- *Fatema Jinnah Women's University, Pakistan*
- *Rajshahi University, Bangladesh*

Principal Advisor for Higher Degree Research

- Viet-Ngu Hoang (2011). *Measuring and Decomposing Economic, Environmental and Ecological Efficiency and Productivity Change in Agricultural Production*, PhD thesis, School of Economics, University of Queensland (Associate advisors: Professors Prasada Rao and Chris O'Donnell).

- Shahajahan Ali Khandaker (2003). *Economic Analysis of Diseases Caused by VTEC (Verotoxin Producing E.Coli) in Australia*, PhD Thesis, School of Economics and School of Veterinary Science, University of Queensland (Associate advisor: Dr Richard Sutton).
- Nilufar Jahan (1998). *Changing Agricultural Productivity in Bangladesh: Its Nature and Implications for Poverty, Women, Off-Farm Employment and the Environment*, PhD Thesis, School of Economics, University of Queensland (Associate supervisor: Professor Clement Tisdell).
- Abdullah Saeed (1992). *Riba, Interest and Islamic Banking: A Study of the Prohibition of Riba and Its Contemporary Interpretation*, (the then) School of Middle Eastern Studies, University of Melbourne (with Dr AK Kazi as joint principal advisor).

Associate Advisor for Higher Degree Research

- . Purwanto (2020). *The Role of Infrastructure in Improving Local Economy and Rural Household Income: A Study in Rural Development in Indonesia*, PhD Thesis, School of Agriculture and Food Sciences, The University of Queensland (Principal advisor: Professor Helen Ross).
- Kabir, Md Jahangir (2016). *The Sustainability of Rice-Based Cropping Systems in Coastal Bangladesh: Bio-Economic Analysis of Current and Future Climate Scenarios*, PhD Thesis, School of Agriculture and Food Sciences, The University of Queensland (Principal advisor: Professor Robert Cramb).
- Sultana, Nasrin (2013). *Women, Livelihoods, and Rural Change in a Coastal Rice-Growing District of Bangladesh: A Case Study Approach*. PhD Thesis, School of Agriculture and Food Sciences, The University of Queensland (principal advisor Professor Robert Cramb, School of Agriculture and Food Sciences).
- Derek Headey (2007). *Foreign Aid, Agricultural Development and Economic Growth: An International Perspective*, PhD thesis, School of Economics, University of Queensland, (Principal advisor: Professor Prasada Rao, and Mr Alan Duhs as associate advisor)
- Mohammad Abul Hossain (2003). *Trade Liberalisation and Economic Performance: Analytics and Empirics from Bangladesh*. PhD thesis, School of Economics, University of Queensland (Principal advisor: Associate Professor Neil Karunaratne).
- Nirmal Saha, (2003). *An Economic Analysis of Pond Polyculture in Bangladesh: Efficiency, Comparative Returns, and Related Environmental and Poverty Issues*. PhD thesis, School of Economics, University of Queensland (Principal advisor: Professor Clement Tisdell).
- Glyn Edwards (1999). *The Economics of Imprisonment and Offender Supervision in Queensland: Costs and Efficiency in the Provision of Corrective Services*, PhD thesis, School of Economics, University of Queensland (Principal advisor: Professor Clement Tisdell).

Higher Degree Research Students Under Current Supervision

- **Nusrat Habib** *Livelihood Diversification and Gender Dynamics: The Case of Punjab, Pakistan*, School of Agriculture and Food Sciences (submission date: June 2022) (60%) (associate advisor: Dr Ammar Aziz).

Mentor of Visiting Academics

- Jul 2018-Jun 2019: Professor Qiang Liang, Chinese Academy of Fiscal Sciences, Beijing, PRC.
- Feb 2013-Jun 2013: Dr Tong Xia, Business School Nantong University, Nantong, PRC

Metrics

- Google Scholar Citations (accessed 8 February 2021: 2182, 925 since 2016)
- h-index: 27 (14 since 2016)
- i10-index: 43 (21 since 2016)

Engagement and Service

External Collaboration and Industry Engagement

- Alauddin, M. and Sharma, B.R. (2013). Inter-district rice water productivity differences in Bangladesh: An empirical exploration and implications, *Ecological Economics*, 93, pp.210-218, funded by the International Water Management Institute.
- Rao, D.S.P, Coelli, T.J and Alauddin, M. (2005) *Agricultural Productivity Growth, Employment and Poverty in Developing Countries, (1970-2000)*, Employment Strategy Paper 20004/9, Geneva: Employment Strategy Unit, International Labour Office. (ISBN 92-2-116759-3.
- Alauddin, M. and Shand, R. (1997) *South Asian Economic Profiles 1997 Bangladesh*, Australia South Asia Research Centre, Research School of Pacific and Asian Studies, The Australian National University, Report for AusAID, Canberra.
- Squires, D., Alauddin, M. & Kirkley, J. (1994). Individual transferable quota markets and investment decisions in the fixed gear sablefish industry, *Journal of Environmental Economics & Management*, 27, 185-204, Funded by the South West Fisheries Science Centre, National Marine Fisheries Science, National Oceanic and Atmospheric Administration, US Department of Commerce, 1992.
- Alauddin, M., Mujeri, M.K. and Tisdell, C.A. (1995) 'Technology-Employment-Environment Linkages and the Rural Poor of Bangladesh Insights From Farm-Level Data', in I. Ahmed and J.A. Doeleman (eds.) *Beyond Rio The Environmental Crisis and Sustainable Livelihoods in the Third World*, London, Macmillan, pp.221-55. Funded by ILO, 1991.

Internal University Service

- 2013-2020, Member, Faculty Board of Studies – Health and Medical Sciences, University of Queensland
- 2011-2015, 2018-2020 Member, School of Economics, University of Queensland Teaching & Learning Committee

- 2011-2015, 2019-2020 Postgraduate coursework coordinator, School of Economics, University of Queensland
- 2010, Chief examiner, School of Economics, University of Queensland
- 2006, Organiser of a workshop on Trade and Investment Opportunities in Bangladesh in honour of the visit of the Bangladesh High Commissioner in Australia, 13 June 2006.
- 2005-2008, Member, School of Economics Teaching & Learning Committee, University of Queensland
- 2002-2004, Convenor, School of Economics Seminars, University of Queensland
- 2002-2003, Member, School of Economics Executive, University of Queensland
- 2001, Contributor to conflict resolution in postgraduate supervision for overseas student(s) under the leadership of Dean of the Graduate School (Re Shahjahan Khandakar, Vet. Science, PhD awarded 2003), University of Queensland
- 2001-2020 Editor, Economics Discussion Paper Series/Economic Issues Series, University of Queensland
- 2000, Organiser of the visit of (local expatriate Bangladesh Community level) an eminent journalist to the University of Queensland to market UQ and especially the School of Economics in Bangladesh [UQ subsequently featured prominently in a leading Bangladesh Daily, *Prothom Alo* (First Light)].
- 2000, Participating in BEL Faculty Research Retreat, University of Queensland
- 1999, Contributor to design of a procedure in place for assessment of applications for admission and scholarship from candidates with overseas academic qualifications to the University of Queensland
- 1998, Equipment Committee Address, University of Queensland
- 1998, Contributor to the BEL Faculty Workshop, speaking on course outlines, objectives and assessment criteria, University of Queensland
- 1998, Member of the overseas marketing committee of the School of Economics, University of Queensland
- 1995-97, Member, School of Marine Science, University of Queensland, participant in meetings, course development, joint research activities, marketing of courses developed by the School at Courses and Curriculum Week
- 1997, Main discussant at Conference Celebrating 50 Years of Indian Independence organised by the Department of Economics and the Australia India Association, University of Queensland
- 1996-, Member Editorial Board of Economics Conference Monograph Series, University of Queensland
- 1996, Organiser, Conference Celebrating 25 years of Bangladeshi Independence at the School of Economics, University of Queensland, and editor of subsequent proceedings published in *Economics Conference Monograph Series 1*
- 1995-96, Member of Faculty Board, Faculty of Agricultural Science, University of Queensland
- 1995-99, Occupational Health and Safety Officer, School of Economics, University of Queensland

- 1994-99, Internal examiner of four PhD and two Research Masters theses, University of Queensland
- 1993, Contributor (interviewee) to the Review Panel of the Department of Agriculture (19-23 April)
- 1993-99, Examiner of two PhD and two research Masters theses, Department of Agriculture (currently School of Agriculture and Food Sciences), University of Queensland
- 1992-2002, participated in marketing every Courses and Curriculum Week for the School of Economics.
- 1991-1999, Member of Departmental Research Committee, University of Queensland
- 1991-1999, Member of Departmental Seminar Committee, to help prepare a list of seminar speakers, occasional seminar session chair, University of Queensland

External and Community Service

- 2003-2006, Teacher of Bangla to non-native speakers for business, professional or social reasons (including two barristers, one later appointed to the Bench of the Queensland Supreme Court, one solicitor and a university lecturer)
- 2003-2004, President, Bangladesh Association in Brisbane (BAB), and organiser of a multicultural festival 'Celebrating Liberation and Nationhood' opened by the BCC Lord Mayor Campbell Newman and attended by federal and state MPs and the Bangladesh High Commissioner. Attracted more than \$14,000 from two sources and organised a commemorative publication (200pp.) featuring historical materials leading to the emergence of Bangladesh as a Nation State in 1971. Raised \$11,500 in collaboration with the Australian Red Cross for flood relief and rehabilitation in Bangladesh.
- 2000-2004, Presenter of weekly Bangla program for RADIO 4EB
- 2000, Review of the Canada Fund for Local Initiatives Projects Small Local NGOs in Bangladesh in collaboration with Dr Mustafa K Mujeri, former Director General Bangladesh Institute of Development Studies (a leading Asian Think Tank).
- 1998, Member of a team in association with Community Aid Abroad which organised a cultural event to raise funds for flood victims in Bangladesh. More than \$1600 was sent to Bangladesh
- 1997-1998, President, Bangladesh Association in Brisbane Inc. Under my leadership the Association was incorporated and received certificate of incorporation from the Queensland Government. Organiser of four cultural events and reviver of the Bangla Language School.