

Madan M. Dey

Education

Bangladesh Agricultural University, Mymensingh, Bangladesh
Agricultural Economics BSc (Honors) 1981

University of the Philippines at Los Banos
Aquaculture Economics PhD 1988



Employment

2007-present Professor, Department of Aquaculture and Fisheries, UAPB
2004-2007 Regional Director, The WorldFish Center
2001-2007 Senior Research Scientist/Economist, The WorldFish Center
1997-2001 Research Scientist/Economist, The WorldFish Center
1994-1997 Project Coordinator/Economist, the WorldFish Center
1993-1994 Consultant, Int. Food Policy Research Institute/Int. Rice Research Institute
1991-1993 Post Doctoral Fellow, Int. Rice research Institute
1989-1993 Senior Scientific Officer, Bangladesh Agricultural Research Council
1983-1989 Scientific Officer, Bangladesh Rice Research Institute
1990-1993 Adjust Faculty, BSMR Agricultural University, Bangladesh
1989-1993 Adjust Instructor (Int. diploma in Economic Theory and Quantitative techniques, Bangladesh Institute of Development Studies

Scientific & Professional Organizations

International Association of Aquaculture Economics and Management,
International Institute of Fisheries Economics and Trade
International Agricultural Economics Association

Program Capsules (Research, Extension, Teaching)

Research: Aquaculture economics and marketing, food sector modeling, trade policy analysis, impact assessment, and economics of agricultural technology development and dissemination.

Teaching: Aquaculture economics and marketing

Extension: Dissemination of agricultural and aquaculture technologies, aquaculture marketing.

Five Most Significant Professional Contributions

1. Developed a multi-market fish sector model for Asia, the first of its kind in the fisheries and aquaculture sector. Various Asian countries and Australia are using this model (Asia Fish Model) to analyze the impact of different technologies and policy options.
2. Developed frameworks for assessing the impact of different types of aquatic resources research (production technologies, natural resource management research, and policy and information research) at different stages of the research planning-monitoring and impact pathways (both ex ante and ex post).
3. Economics research that led to the development and dissemination of genetically improved tilapia and carps in Asia.
4. Developed research framework for community based fish culture in flooded rice fields and irrigation channels.
5. Convinced fisheries research managers in developing Asian countries to institutionalize multidisciplinary approach in various aquaculture and fisheries research.

Publications

Journal Articles

Bose M. L. and M M Dey. 2007. Food and nutritional security in Bangladesh: going beyond carbohydrate counts. Agricultural Economic Research Review (in press)

Kumar P., Mruthyunjaya and **Madan M.Dey** (2007) Long-term changes in food basket and nutrition in India, Economic and Political Weekly, 42(385): 3567-3572.

Chowdhury, M. A. K., D. P. Bureau, M. L. Bose, and **M. M Dey**. 2007. Relevance of a rapid appraisal approach to identify locally available feed ingredients to small scale tilapia (*Oreochromis niloticus* L.) aquaculture. Aquaculture Economics and Management 11(2):151-169.

Paraguas, F.J., **M.M. Dey** and A. A. Kamil 2006. Spatially linear approximate to

almost ideal demand system. Advances and Applications in Statistics 6(3): 361-375.

Kumar, P and **M. M. Dey**. 2006. Nutritional intake and dynamics of undernourishment of farm households in rural India. Indian Development Review 4(2):269-284.

Kumar, P., **M. M. Dey** and F. Paraguas. 2006. Fish supply projections by production environments and species types in India. . Agricultural Economic Research Review 19 (2): 327-351.

Paraguas, F.J. and **M.M. Dey** 2006. Aquaculture productivity convergence in India: a spatial econometric perspective. Agricultural Economic Research Review 19 (Conference No): 121-134.

Dey, M.M., P. Kambewa, M. Prein, D. Jamu, F.J. Paraguas, D.E. Pems, and R.M. Briones 2006. Impact of Development and Dissemination of Integrated Aquaculture-Agriculture (IAA) Technologies in Malawi. NAGA, WorldFish Center Quarterly, vol. 29 (1&2): 28-35.

Dey, M. M. and M Prein. 2006 Community based fish culture in seasonal floodplains. NAGA, WorldFish Center Quarterly, vol. 29 (1&2): 21-27.

Sugunan V. V., M Prein and **M. M. Dey**. 2006. Integrating agriculture, fisheries and ecosystem Conservation: win-win solutions. International Journal of Ecology and environmental sciences 32(1):3-14.

Dugan Patrick, **Madan M. Dey** and V.V. Sugunan. 2006. Fisheries and water productivity in tropical river basins: Enhancing food security and livelihoods by managing water for fish. Agricultural Water Management, Volume 80 (Issues,1-3): 262-275.

Briones, R., **M. M. Dey**, I. Stobutzki, and M. Prein. 2005. Ex Ante Impact Assessment for Research on Natural Resources Management: Methods and Applications to Aquatic Resource Systems. Research Evaluation, vol. 14(3): 217-227.

- Kumar, P., **M. M. Dey**, and F. J. Paraguas 2005. Demand for fish by species in India: three-stage budgeting framework. Agricultural Economics Research Review, vol. 18 (July-Dec): 167-186.
- Dey, M. M.** and M. Ahmed. 2005. Aquaculture-food and livelihoods for the poor in Asia: a brief overview of the issues. Aquaculture Economics and Management, vol 9 (no.1&2):1-10.
- Dey M.M.**, R. Briones and M Ahmed. 2005. Projecting supply, demand and Trade for specific fish types in Asia. Aquaculture Economics and Management, vol 9 (no.1&2):113-140.
- Dey, M.M.**, M. A. Rab, F.J. Paraguas, S. Piumsombun, R. Bhatta, Md. F. Alam, S. Koeshendrayana and M. Ahmed. 2005. Status and economics of freshwater fish farming in Asia. Aquaculture Economics and Management, vol 9 (no.1&2):11-38.
- Dey, M.M.**, M.A. Rab, F.J. Paraguas, S. Piumsumbun, R. Bhatta, M. F. Alam and M. Ahmed. 2005. Fish consumption and food security: a disaggregated analysis by types of fish and classes of consumers in selected Asian Countries. Aquaculture Economics and Management, vol 9 (no. 1&2):89-112.
- Dey M. M.**, M A Rab, A Kumar and A Nisapa, and M Ahmed. 2005. Food safety standard and regulatory measures: implications for selected fish exporting Asian countries. Aquaculture Economics and Management, vol 9 (no.1&2): 217-236.
- Dey, M.M.**, F.J. Paraguas, X. Yuan, N. Srichantuk, R. Bhatta and L.T.C. Dung. 2005. Technical efficiency of fish farming under polyculture system in freshwater pond in Asia: a cross-country comparison. Aquaculture Economics and Management, vol 9 (no. 1&2): 39-64.
- Dey, M. M.** and M Prein. 2005. Increased income from seasonally flooded rice fields through community-based fish culture in Bangladesh and Vietnam. Plant Production Science, vol 8(3):349-353.
- Dey, M.M.**, M Prein, A.B.M.M. Haque, S. Sultana, N. C. Dan and N. V. Hao. 2005.

- Economic feasibility of community-based fish culture in flooded rice fields in Bangladesh and Vietnam. Aquaculture Economics and Management, vol 9 (no. 1&2):65-88.
- Garcia, Y, **M.M. Dey** and S. Navarez. 2005. Analysis of fish demand in the Philippines. Aquaculture Economics and Management, vol 9 (no. 1&2):141-168.
- Piumsombun, S., Rab, M.A., **M. M.Dey**, and N. Srichantuk. 2005. Farming practices and economics of aquaculture in Thailand. Aquaculture Economics and Management, vol 9 (no. 1&2):265-287.
- Katiha,P., J.K. Jana, N.G. K. Pillai, C. Chakraborty and **M M Dey**. 2005. Aquaculture in India. past trend, present status and future prospects. Aquaculture Economics and Management, vol 9 (no. 1&2):237-264.
- Kumar, P. & M. M. Dey. 2004. A Study on modeling of household demand for fish in India. Indian Journal of Agricultural Economics, Vol 59 (no.3): 465-475.
- Briones R., **M. M. Dey** & M Ahmed. 2004. The future for fish in the food and livelihoods of the poor in Asia. NAGA, WorldFish Center Quarterly, vol. 27 (no. 3&4): 48-50.
- Briones, R., **M. M. Dey**, M. Ahmed, I. Stobutzki , M. Prein, & B. O. Acosta. 2004. Impact pathway analysis for research planning: the case of aquatic research in the WorldFish Center. NAGA, WorldFish Center Quarterly, vol. 27 (no. 3&4): 51-55.
- Hussain, M. G., M. S. Islam, M. A. Hossain, M. I. Wahid, A. H. M. Kohinoor, **M. M Dey**, & M. A. Mazid. 2002. Stock Improvement of Silver Barb (*Barbodes gonionotus bleeker*) Through Several Generations of Genetic Selection. Aquaculture 204 (2002): 469-480.
- Li, S.,Li ,C., **M. M. Dey**, F. Galgalac & R.A. Dunham. 2002. Cold Tolerance of Three Strains of Nile tilapia, *Oreochromis niloticus*, in China. Aquaculture 213(2002)123-129
- Li S., G. Lu & **M M Dey** 2002 Polymorphism of the ND5/6 gene in mtDNA of stains of Nile tilapia, *Oreochromics niloticus*. Asian Fisheries Science 15:265-270

- Li S.F, J. L. Zhao, **M M Dey** and R Dunham 2001 Isozyme Variation in Nile Tilapia *Oreochromis niloticus* in China. Asian Fisheries Science 14:411-416
- Dey, M.M.** 2000. "The Impact of Genetically Improved Farmed Nile Tilapia in Asia". Aquaculture Economics and Management, 4(1&2): 107-124.
- Dey, M. M.** 2000. "Analysis of Demand for Fish in Bangladesh". Aquaculture Economics and Management, 4(1&2): 63-82.
- Dey, M.M.** & M.V. Gupta, 2000. "Socioeconomic Aspects of Disseminating Genetically Improved Nile Tilapia (*Oreochromis Niloticus*) in Asia: Introduction". Aquaculture Economics and Management, 4(1&2): 5-12.
- Dey, M.M.**, F.J. Paraguas, G. Bimbao & P.B. Regaspi. 2000. "Technical Efficiency of Growout Pond Operations in the Philippines". Aquaculture Economics and Management, 4(1&2): 31-46.
- Dey, M. M.**, G. B. Bimbao, L. Yong, P. Regaspi, A. H. M. Kohinoor, N. Pongthana & F.J. Paraguas. 2000. "Current Status of Production and Consumption of Tilapia in Selected Asian Countries". Aquaculture Economics and Management, 4 (1&2):13-30.
- Dey, M. M.**, Eknath, A. E., Li Sifa, M.G. Hussain, T. M. Tran, M. Pongthana, V. H. Nguyen & F.J. Paraguas. 2000. "Performance and Nature of Genetically Improved Farmed Tilapia: a Bioeconomic Analysis" . Aquaculture Economics and Management, 4(1&2): 83-106.
- Bimbao, G., F.J. Paraguas, **M. M. Dey** & A. E. Ekanath. 2000. "Socioeconomics and Production Efficiency of Tilapia Hatchery Operations in the Philippines". Aquaculture Economics and Management, 4(1&2): 47-62.
- Hussain, M.G., A.H.M, Kohinoor, M. S. Islam, A. Hossain, **M. M. Dey** & M. A. Mazid. 2000. "Growth and Production Performance of GIFTstrain of Nile Tilapia, *Oreochromis niloticus* L., in Ponds and Cages under Different Farming Conditions in Bangladesh". Journal of Aquaculture in the Tropics, 15(3): 273-280.
- William, M.J., J.D. Bell, M.V. Gupta, **M.M. Dey**, M. Ahmed, M. Prein, S.E. Child, P.R. Gardiner, R. Brummett and D. Jamu. 2000. "Responsible Aquaculture Can Aid Food Problems". Correspondence, Nature 406:17-17, p673.
- Li Sifa, Li Chenhong, **Madan Mohan Dey** & Rex Dunham. 1999. "Sustainability of

- four Strains of Nile Tilapia, *Oreochromis niloticus*, in Chinese Ponds". Aquaculture, 174 (1999): 223-227.
- Deb, U.K., Gopal Krishna Bose & **Madan Mohan Dey**. 1999. "Growth and Variability in Sugarcane Production in Bangladesh". The Asian Economic Review, 41(1): 152-165.
- Ahmed, M., **M. M. Dey**, & M.J. Williams. 1999. "Assessment of the Impact of Aquatic Resources Research by ICLARM: scope and methodologies". Naga, ICLARM Quarterly 22(2), 4-10.
- Dey, Madan Mohan** & G. W. Norton. 1992. "Rice Research Priorities in Bangladesh: A Quantitative Analysis". Bangladesh Journal of Agricultural Economics, 15 (2): 1-17.
- Elahi, Q.E., **Madan Mohan Dey** & M.A. Hakim. 1992. "Removing Constraints on Small Farmers Development in Bangladesh. An Action Programme for the Fourth Five Year Plan Period". Farm Economy, 8 (Conference 1991): 83-96.
- Deb, U.K., M.A.S. Mandal & **Madan Mohan Dey**. 1991. "Variability in Agricultural Production in Bangladesh". Bangladesh Journal of Agricultural Economics 14 (2): 27-50.
- Deb, U.K., **Madan Mohan Dey**, & M.A.S. Mandal. 1991. "Changes in the Crop Production and their sources in Bangladesh Agriculture". Bangladesh Journal of Agricultural Economics 14 (1): 1-18.
- Dey, Madan Mohan** & Uttam K. Deb. 1990. "The Economics of Investment in Agricultural Research in Bangladesh." Bangladesh Journal of Agricultural Economics 13 (1&2): 1-23.
- Dey, Madan Mohan**, 1990. "Rice Prize Stabilization Policy in Bangladesh". Bangladesh Journal of Political Economy 10(3): 199-211.

Book chapters and Reviewed Proceedings papers

- Dey, M.M.**, P. Kambewa, M. Prein, D. Jamu , F.J. Paraguas, D.E. Pems, and R.M. Briones. 2007. Impact of the Development and Dissemination of Integrated Aquaculture-Agriculture (IAA) technologies in Malawi, p 118-146. In H. Waibel and D. Zilberman (eds), International Research on Natural Resource Management: Advances in Impact Assessment, 320pp. FAO and CAB International.
- Ahmed, M., **M.M. Dey**, and Y.T. Garcia. 2007. The role of species and systems in the development and growth of aquaculture in Asia: needs and prospects, pp 85-102. In P.S. Leung, C.-S. Lee, and P. O'Bryen, (eds.). Species and System

Selection for Sustainable Aquaculture. Blackwell Publishing, Ames, Iowa, USA, 506 pp.

Dey, M. M., N. Sheriff and T Bjorndal. 2007. Utvikling av akvakultur i Asia: Noverande status, økonomi og framtidsutsikter (Development of Aquaculture in Asia: Current Status, Economics and Future Prospects), 151-172. In B. Aarset and G. Rusten (eds.) Havbruk: Akvakultur paa norsk (Modern Norwegian Aquaculture). Fagbokforlaget, 220 pp.

Nelson K.C., Z Basiao, A. M. Cooper, **M. M. Dey**, D. Fonticiella, M. L Hernandez, S. Kunawasen, W. Leelapatra, S Li, B.D. Ratner and M I Toledo. 2007. Problem formulation and option assessment: science guided deliberation in environmental risk assessment of transgenic fish, pp. 29-60. In A. R. Kapuscinski, K. R. Hayes, S Li, and G. Dana (eds.) Environmental Risk Assessment of Genetically Modified Organisms, Vol. 3, Methodologies for Transgenic Fish. CAB International, 304 pp.

Dey, M. M. and Y. T. Garcia. 2007. Demand for fish in Asia: a cross country analysis, pp 8-13. In Johnston B. (ed.). Economics and Market Analysis of the Live Reef-Fish Trade in the Asia-Pacific Region. ACIAR Working paper No. 63. Canberra. 173 pp.

Dey, M. M., U. Rodriguez, R. M. Briones, and O. Chen. 2007. Disaggregated projections on fish supply, demand and trade for developing Asia, pp 104-109. In Johnston B. (ed.). Economics and Market Analysis of the Live Reef-Fish Trade in the Asia-Pacific Region. ACIAR Working paper No. 63. Canberra. 173 pp.

Dey, M.M. Roslina, K., Paraguas, F. and Bhatta, R. 2006. The Economics of Shrimp farming in Selected Asian Countries, pp 241-261. In P. Leung, C. Engle (eds). Shrimp Farming, Economics and Trade. Blackwell Publishing. 335 pp.

Viswanathan, K. K., M. Ahmed., P. Thompson, P. Sultana, **M. M. Dey**, and M Torell. 2006. Aquatic Resources: collective management patters and governance for the world's fish wealth, pp 209-216. In M. M. Cerrnea and A. H. Kassam (eds.) Researching the Culture in Agri-Culture: Social Research for International Development. CABI Publishing. 497 pp.

- Paraguas, F.J., Johannes Janssen, **M. M. Dey**, M. Prein, and A.K Anton. 2006. On the application of Spatial Modelling and Poverty Analysis on identifying Geographic target areas for aquaculture development in Bangladesh, pp 217-229. In I.Md.I. Ahmad, K.H. Lye and A.H. Yahya (eds). Models in Ecological and Environmental Studies. 555 pp.
- Dey, M. M.** and R. P. Subasinghe (eds.). 2006. Production, Marketing, Accessibility and Consumption Patterns of Freshwater Aquaculture Products in Asia. FAO Fisheries Technical Paper (in press).
- Dey M. M.**, F. J. Paraguas and M. F. Alam. 2006. Production, marketing, accessibility and consumption of aquaculture products in Asia: a cross-country comparison, p xx. *In* M. M. Dey and R P. Subasinghe (eds.) Production, Marketing, Accessibility, and Consumption Patterns of Freshwater Aquaculture Products in Asia. FAO Fisheries Technical Paper. (in press).
- Penman, D., M. V. Gupta and **M. M. Dey** (eds.). 2005. Carp Genetic Resources for Aquaculture in Asia. WorldFish Center, Penang, Malaysia, WorldFish Center Technical Report 65, 152p.
- Dey, M.M.**, M. F. Alam, M. Weimin, S. Piumsumbun, R. Bhatta, L. T. C. Dung, and F.J. Paraguas. 2005. Constraints to higher yield in carp farming: implications for future genetic research, p.5-15. *In* Penman, D., M. V. Gupta and M. M. Dey (eds.) 2005. Carp Genetic Resources for Aquaculture in Asia. WorldFish Center, Penang, Malaysia, WorldFish Center Technical Report 65, 152p.
- Dey, M.M.**, F.J. Paraguas, R. Bhatta, M. F. Alam, M. Weimin, S. Piumsumbun and S. Koeshendrayana. 2005. Carp production in Asia: past trends, current status and future prospects, p. 114-120. *In* Penman, D., M. V. Gupta and M. M. Dey (eds.) 2005. Carp Genetic Resources for Aquaculture in Asia. WorldFish Center, Penang, Malaysia, WorldFish Center Technical Report 65, 152p.
- Dey, M.M.**, R. Briones and M. Ahmed. 2003. Modeling the Asian fish sector: issues, framework and method. *In*, Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002.

- Dey, M.M.**, M. Ahmed, K.M. Jahan and M.A. Rab. 2003. Liberalization vs. barriers: experiences from selected countries in Asia. *In*, Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002.
- Ahmed, M, M. A. Rab and **M. M. Dey**. 2003. Changing structure of fish supply, demand and trade in developing countries – issues and needs. *In*, Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002.
- Piumsombun, S., **M M Dey**, & F J Paraguas 2003. Analysis of Demand for Fish consumed at home in Thailand. *In*, Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002.
- Dey M. M.** and M. Prein. 2003. Participatory research at landscape level: flood-prone ecosystems in Bangladesh and Vietnam, p233-226. *In* B. Pound, S. S. Snapp, C. McDougall and A. Braun (eds.) Uniting Science and Participation for Sustainable Livelihoods and Adoptive Natural Resource Management. Earthscan Publishing /IDRC.252 p.
- Dey M. M.** 2001. Tilapia Production in South Asia and the Far East, p17-27. *In* S. Subasinghe and T Singh (Eds.) Tilapia: Production, Marketing and Technological Developments. Proceedings of the Tilapia 2001, International Technical and Trade Conference on Tilapia, 28-30 May 2001, Kuala Lumpur, Malaysia.
- Dey M. M.** & F. J. Paraguas. 2001 Economics of Tilapia Farming in Asia, p33-46. *In* S. Subasinghe and T Singh (Eds.) Tilapia: Production, Marketing and Technological Developments. Proceedings of the Tilapia 2001, International Technical and Trade Conference on Tilapia, 28-30 May 2001, Kuala Lumpur.
- Gupta, Modadugu, V., John D. Sollows, M.A. Mazid, A., Rahman, M.G. Hussain, & **M. M. Dey**. 2001. “Economics and Adoption Patterns of Integrated Rice-Fish Farming in Bangladesh”, p. 41 to 54 . *In* H Demaine, D Little and P Edwards (Eds.) Rural Aquaculture in Asia. CAB international, Wallingford, UK. 358 p.

- Prein M & **M M Dey** 2001. "Rice and Fish Culture in Seasonally Flooded Ecosystems", p. 207 to 214. *In* IIRI, IDRC, FAO, NACA & ICLARM. Utilizing Different Aquatic Resources for Livelihoods in Asia: A Resource Book. International Institute of Rural Reconstruction, Philippines. 416p.
- Dey, M. M.** & M. Prein. 2000. "Case 3: Fish in Deepwater Rice lands", p.19-20. *In* PRGA Program (eds.) Equity, Well-being, and Ecosystem Health: Participatory Research for Natural Resources Management. CGIAR Program on Participatory Research and Gender analysis, CIAT, Cali, Colombia. 62p.
- Gupta, Modadugu, V., John D. Sollows, M.A. Mazid, A., Rahman, M.G. Hussain & **Madan Mohan Dey**. 1998. Integrating Aquaculture with Rice Farming in Bangladesh: Feasibility and Economic Viability, Its adoption and Impact. ICLARM Tech. Report. 55, 90 p.
- Eknath, A.E., **M.M. Dey**, M. Rye, B. Gjerde, T.A. Abella, R.C. Sevilleja, M.M. Tayamen, R. A. Reyes, & H.B. Bentsen. 1998. "Selective Breeding of Nile Tilapia for Asia". Proceedings of the 6th World Congress on Genetics Applied to Livestock Production, 11-16 January 1998, Armidale, Australia, **27**, 89-96.
- Dey, Madan Mohan** & Gaspar B. Bimbao. 1998. "Policy Imperatives for Sustainable Aquaculture Development in Asia: Lessons from Bangladesh, the Philippines and Thailand", pp. 331-350. *In* Network of Aquaculture Centers in Asia-Pacific (NACA). Proceedings of the Regional Study and Workshop on Aquaculture Sustainability and the Environment, 6-12 October 1995, Beijing, Asian Development Bank and NACA, Bangkok,
- Dey, Madan Mohan**. 1997. "Returns to Investment in Crop Research in Bangladesh: Synthesis of *Ex Post* and *Ex Ante* Analysis." pp. 60-73, *In* M.C.S. Bantilan & P.K. Joshi (eds.). Integrating Research and Evaluation Efforts. Proceedings of the Workshop on Integration of Research Evaluation Effort of ICRISAT and NARS. 14-16 December 1994, ICRISAT, Patancheru, Andhra Pradesh, India
- Pullin, R.S.V., M. L. Palomares, C.V. Casal, **M.M. Dey** & D. Pauly. 1997. "Environmental Impacts of Tilapias", pp. 554-570. *In* Kevin Fitzsimmons (ed.). Proceedings of the Fourth International Symposium on Tilapia in Aquaculture, on 19-12 November 1997 in Orlando, Florida, USA.
- Dey, Madan Mohan** & A E. Eknath. 1997. "Current Trends in the Asian Tilapia Industry and the Significance of Genetically Improved Tilapia Breeds", p. 59-78. *In* Nambiar & Singh (eds.), Sustainable Aquaculture. Proceedings of INFOFISH-AQUATECH '96, International Conference on Aquaculture, Kuala Lumpur, Malaysia, 25-27 September 1996.
- Pomeroy, R. & **M. M. Dey**. 1997. "Fisheries, aquaculture and coastal resources - social science research in Africa and West Asia", p. 55-56. *In* J.H. Annala (ed.), Fisheries and aquaculture research planning needs for Africa and West Asia. ICLARM Conf. Proc. 50, 80 p.
- Dey, Madan Mohan**, M.N.I. Miah, B.A.A. Mustafi & M. Hossain. 1996. "Rice Production Constraints in Bangladesh: Implications for Future Research Priorities", p. 179-191. *In* R. E. Evenson, R.W. Herdt and M. Hossain (eds.),

Rice Research in Asia, Wallingford, UK: CAB International.

Dey, Madan Mohan & H.K. Upadhyaya. 1996. "Yield Loss due to Drought, Cold and Submergence in Asia", p. 291-303. *In* R.E. Evenson, R.W. Herdt & M. Hossain (eds.), Rice Research in Asia, Wallingford, U. K.: CAB International.

Evenson, R.E., **Madan M. Dey** & M. Hossain. 1996. "Rice Research Priorities: An Application", p. 347-391. *In* R.E. Evenson, R.W. Herdt & M. Hossain (eds.), Rice Research in Asia, Wallingford, U.K.: CAB International.

Dey, Madan Mohan, M. Hossain & M.L. Bose. 1995. "Potential of MV Boro-Deepwater Cropping Pattern for Flood-Prone Ecosystems of Bangladesh", p. 467-477. *In* IRRI-International Rice Research Institute (ed.), Fragile Lives in Fragile Ecosystems. Proceeding of the International Rice Research Conference, 13-17 February 1995, Manila, Philippines. 976 p.

Dey, Madan Mohan. 1992. "Private and Social Profitability of Crops in Bangladesh." *In* Rehman Sobhan (ed.), Bangladesh Development Strategies for the 1990s. Vol. 2, p. 109-117. University Press Limited, Dhaka, Bangladesh.

Elahi, K.Q., **Madan Mohan Dey** & M. A. Hakim. 1992. "Reducing Small Farmer Vulnerability to impoverishment in Bangladesh: An Action Programme". *In* Proceedings of the workshop on Reducing Small Farmer Vulnerability in Bangladesh, Bangladesh Rice Research Institute, Joydebpur, Gazipur, 30-31 May 1992.

News Letters, Extension Articles , Dissertations and Other Reports

Bose, M.L., **M.M. Dey**, M. Hossain & S.P. Kam. 1995. "GIS modeling of suitability for MV boro-transplanted deepwater rice Cropping system in Bangladesh". Paper presented at the Fifth Seminar on GIS for Developing Countries, GISDECO2000, 2-3 November 2000, International Rice Research Institute (IRRI), Los Banos, Laguna, Philippines.

Gupta, Modadugu, V. & **Madan Mohan Dey**. 1998. "A Framework for Assessing the Impact of Small-Scale Rural Aquaculture Projects on Poverty Alleviation and Food Security". FAO Aquaculture Newsletter, 23: 22-25.

Gupta, M.V., **M.M. Dey**, R. Dunham & G. Bimbao. 1997. Proceedings of the Collaborative Research and Training on Genetic Improvement of Carp Species in Asia, 26-29 July 1997, Central Institute of Freshwater Aquaculture, Bhubaneswar, India. ICLARM Work. Doc.1, Manila, Philippines.

Bose, M.L., **M.M. Dey**, S.P. Kam & M. Hossain. 1995. "Atlas of Potential Areas for Rice-Rice Cropping Pattern in the Flood-Prone Ecosystem in Bangladesh". International Rice Research Institute, Manila, Philippines.

Dey, Madan Mohan & George W. Norton. 1993. Analysis of Agricultural Research Priority in Bangladesh. Discussion Report No. 93-87. International

Services for National Agricultural Research (ISNAR), The Hague, Netherlands.

Bardhan Roy S. K. & **Madan Mohan Dey**. 1992. "Visible Changes in Cropping Pattern in Deep Water Ecosystem of West Bengal. Eastern India Farming Systems Research and Extension Newsletter. 6(3): 8-14.

Dey, Madan Mohan & R. E. Evenson. 1991. "The Economic Impact of Rice Research in Bangladesh". Mimeo, Economic Growth Center, Yale University, USA. September 1991.

Dey Madan Mohan 1988. Modern Rice Technology and Rice Policy in Bangladesh, PhD Dissertation submitted to the University of the Philippines.

Grants (Last Five Years)

Dey, M. and C. Engle. "Pond-bank prices of catfish and processor sales volumes". Funded by the Arkansas Catfish Promotion Board. \$9, 500.

Dey, M. M. jointly with Mark Prein. Two successful project proposals on 'Determination of High Potential Aquaculture Development Areas and Impact in Africa and Asia' (USD 1.126 mil and USD 0.207 mil from the Govt of Germany -BMZ/GTZ- for a three years period-2005 to 2008).

Dey M. M jointly with A Ponniah. Canadian International Development Agency (CIDA) funded project on "Flexible, low inputs, Production Strategies& feeds for inland aquaculture" (2005-2007, USD 150,000)

Dey M. M. jointly with I Stobuski. Australian Center for International; Agricultural Research (ACIAR) funded project on "Fisheries rehabilitation in tsunami-affected Indonesia: community needs assessment and resource status" (2005-2006, USD 150,000)

Dey M. M. jointly with M Prein. Consultative Group of International Agricultural Research (CGIAR) Challenge Program (on Water and Food) project on "Community Based Fish Culture in Irrigation Systems and seasonal Floodplains (2004-2008, USD 1.5 mil).

Dey M. M. jointly with Raul Ponzoni and A Ponniah. Asian Development Bank (ADB) funded project on "Achieving Greater Food security and Improved Carps Strains to Fish Framers" (2004-2006, USD 0.95 million).

Dey M. M. CGIAR funded project on ‘Development and Dissemination of Integrated Aquaculture-Agriculture Technologies in Malawi (2003-2004, USD 30,000)

Dey M. M jointly with D Little. The government of U.K. (DFID) funded project on “Impact of Production and Marketing of Freshwater Aquatic Products on Rural Livelihoods (2003-2005, GBP 174613).

Dey M. M. jointly with M Ahmed. ADB funded project on “Strategies and Options for Increasing and Sustaining Fisheries and Aquaculture Production to Benefit the Poor Households in Asia (RETA 5945)” (2001-2004, USD 1.1 mil).

Project Leadership (last 10 years)

- Leading a project on “Catfish Price” funded by the Arkansas Catfish Promotion Board.
- Acting as a Co-Principal Investigator of a multi-institutes project on “Economic Forecasting and Policy Analysis Models for Catfish and Trout”.
- Acting as a Co-Principal Investigator of a study on ‘Consumer Preferences for Asian Carps in Ethnic Markets’.
- Led an Action research project on “community based fish culture the flood-prone rice ecosystems in South and Southeast Asia”. The project has integrated the biological research on rice and fish with the institutional research on common property resource governance. Subsequently led a follow-up project in six Asian and African countries funded by the “Challenge Program on Water and Food” of the Consultative Group of International Agricultural Research (CGIAR).
- Led the WorldFish Center initiatives on ‘rehabilitation of coastal communities affected by 2004 Asian Tsunami’.
- Led a multi-country and multidisciplinary project on “Strategies and Options for Increasing and Sustaining Fisheries and Aquaculture Production to Benefit the Poor Households in Asia”. Thirty-five partner institutes from nine Asian countries were involved in implementing this project.
- Led a project on ‘impact of marketing of freshwater aquatic products on rural livelihoods in Asia’.
- Led a number of projects/activities to estimate the impact of Natural Resource Management (NRM) Research (both ex ante and ex post) in Asia (Bangladesh) and Africa (Malawi and Cameroon). Led a whole of the WorldFish Center effort on ‘prioritization of aquatic resources research’. Led and implemented a case study on ex post impact of NRM research in Malawi granted by the Science Council’s (of CGIAR) Special Panel on Impact Assessment.

- Led a multidisciplinary project on "genetic improvement of carp species in Asia" and conducted research on prioritization of carp genetic research. The project was implemented in six major carp producing Asian countries (Bangladesh, People's Republic of China, India, Indonesia, Thailand and Vietnam. Subsequently led a follow-up project on 'adoption and impact of genetically improved carp species in Asia'.
- Led a collaborative project on "Production, Consumption, Accessibility and Marketing of Aquaculture products in Asia" in five Asian Countries (Bangladesh, China, India, The Philippines, and Thailand).
- Led a multidisciplinary project on "Dissemination and Evaluation of Genetically Improved Tilapia Species in Asia (DEGITA)". The results of this project were published in seven papers of a special issue (vol. 4, no. 1&2, November 2000) of the *Aquaculture Economics and Management*. This special issue has a very high demand and the Journal authority has published a 2nd printing (first in the history of the journal)

Supervision of Graduate Students

On going

1. University of Arkansas at Pine Bluff: member of thesis committee of one MS student.
2. Wageningen University, The Netherland: co-supervisor of a PhD Student since 2007.
3. Malaysian National University, Malaysia: Co-supervisor of a PhD student since 2006.

Completed

1. Bangladesh Agricultural University, Major supervisor /Co-supervisor: 4 MS (in Agricultural economics) students successfully completed their programs (1989-1993).
2. University of Stirling, UK: Graduate (PhD) Thesis Research Supervision (since 2002), one student successfully completed PhD in Aquaculture marketing.

Professional Service

- Served as member of editorial or advisory boards of:
 - Member of the Editorial Board of the Farm Economy, Journal of the Bangladesh Agricultural Economists Association (1989-1991)
 - Member of the Editorial Board of the Aquaculture Economics and Management Journal (2005 to date)
 - Guest Editor of the Aquaculture Economics and Management Journal, Vol 4 (1&2), 2000; Vol 9 (no. 1 and 2) 2005.
 - Member of the Editorial Board of the "Reviews in Aquaculture" journal (to date)

- Organizer /Co-Organizer of the following professional society meetings:
 - Session on ‘Aquaculture Economics’, Sixth Asian Fisheries Forum, 25-30 November, 2001, Kaohsiung, Taiwan,
 - Special session on Strategies and Options for Sustainable Aquaculture Development, World Aquaculture 2002, Annual Meeting of the World aquaculture Society Meeting, 23 –27 April, Beijing, China
 - Panel Session on ‘Socioeconomics and environmental Impacts’, International Forum on Tilapia Farming in the 21st Century, 25-27 Feb 2002, Laguna, Philippines
 - Special session on ‘Fish Supply and Demand in Asia’, 11th biennial meeting of the International Institute of Fisheries Economics and Trade (IIFET), 19-22 August 2002, Wellington, New Zealand.
 - Special session on ‘Outlook on Global Fish Production, Consumption, and Trade: Implications and Options for the Developing World’, 12th biennial meeting of the International Institute of Fisheries Economics and Trade (IIFET), 25-30 July 04, Tokyo, Japan.
 - Symposium on ‘Sustainable Development of Aquaculture and Fisheries-Challenges for Economists’, 26th conference of the International Association of Agricultural Economists, 12-18 August 2006, Gold Coast, Queensland, Australia.
- Convener or Co-convener of the following international scientific meetings:
 - Second Steering Committee Meeting of International Network of Genetics in Aquaculture, 20-27 June 1995, Hyderabad, India
 - Third Steering Committee Meeting of International Network of Genetics in Aquaculture, 8-11 July 1996, Cairo, Egypt
 - Final workshop of the ‘Dissemination and Evaluation of Genetically Improved Nile Tilapia in Asia (DEGITA) Project’, 18-19 February 1997, Manila, Philippines
 - Planning workshop of the Genetic Improvement of Carp species in Asian Project, 26-29 July, 1997, 37 participants
 - Fifth Steering Committee Meeting of International Network of Genetics in Aquaculture, 3-5 March 1999, Kuala Lumpur, Malaysia
 - Final workshop of the Genetic Improvement of Carp species in Asian project, 14-17 November, 2000, Wuxi, China
 - Writing workshop for the Genetic Improvement of Carp species in Asian project, 18 Nov- 2 Dec, 2000, Penang, Malaysia
 - Final workshop of the research project on ‘Increasing and Sustaining the Productivity of Fish and Rice in the Flood-prone Ecosystems in South and Southeast Asia’, 12-13 June 2001, Dhaka, Bangladesh
 - Planning workshop of the project on “Strategies and Options for Increasing and Sustaining Fisheries and Aquaculture Production to

Benefit the Poor Households in Asia”, 21-24 August 2001, Penang, Malaysia, 60 participants from 10 Asian countries.

- Regional workshop on “Aquaculture Technologies and fishing Practices in Asia”, 17-27 March 2003, 14 participants from 9 Asian Countries.
- Final workshop of the project on “Strategies and Options for Increasing and Sustaining Fisheries and Aquaculture Production to Benefit the Poor Households in Asia”, 17-20 March 2004, Manila, Philippines, 42 participants from 9 Asian countries.
- Writing workshop of the Project on “Strategies and Options for Increasing and Sustaining Fisheries and Aquaculture Production to Benefit the Poor Households in Asia”, 1-16 June 2004, 14 participants.
- Directly involved in formulating agricultural policy, including research policy, for Bangladesh during 1989 to 1991. Major involvements include:
 - Worked as a Member of the Planning Advisor's Task Force on ‘Bangladesh Development Strategies for the 1990s’, and wrote a section on agricultural development strategy.
 - Wrote a concept paper on small farmer development for the Planning Commission, Government of Bangladesh, and the concept was adopted, with partial modification, in the fourth Five Year Plan of Bangladesh (1991-1995).
 - Worked as a Team Member for drafting national agricultural policy for Bangladesh.

Collaborations

- Have conducted collaborative research work with more than 100 institutes and with several hundreds individuals both from developed and developing countries.