

CURRICULUM VITAE OF DR. UTTAM KUMAR DEB

I. PERSONAL DATA

- a. Name : Uttam Kumar Deb
b. Address : Research Fellow
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- c. Date of Birth : January 01, 1964
d. Nationality : Bangladeshi

II. SUMMARY OF ACHIEVEMENTS

- **PhD** in Agricultural Economics, from the University of the Philippines Los Baños (1995). Obtained first class rating in all public examinations. Conducted doctoral dissertation at IRRRI on *Human Capital and Agricultural Growth in Bangladesh*. Analyzed the contribution of technology and human capital to agricultural growth in Bangladesh (1961 - 1992) from the endogenous growth theory perspective.
- More than 13 years experience in research and teaching. Currently Research Fellow at the CPD. Worked more than 4 years at ICRISAT (India and Zimbabwe), 10 years' service at the Bangladesh Rice Research Institute (BRRI) and about one year service at the Bangladesh Institute of Development Studies (BIDS); Adjunct Faculty of the Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh.
- *Proven record of scientific excellence and completed research works on sources of agricultural growth, variability in agricultural production, technology adoption, and impacts of improved technologies supported by a publication record as author, and co-author of 46 publications including 12 refereed journal articles, 4 book chapters, and 15 conference/workshop papers. Awarded Dr. R T Doshi Prize (2000) by the Agricultural Economics Research Association (India).*
- Fully conversant with PC Computers, and state-of-the-art database management and economic analysis software including MS-Access, SAS, SPSS, and Limdep. Familiar with, and have used, econometric tools, mathematical modeling, Geographical Information Systems (GIS), participatory rapid appraisal techniques in my accomplished research. Webmaster of the internet site *Agrinet Bangladesh*, devoted to agriculture-related issues in Bangladesh ([http:// members.tripod.com/ ~UTTAMDEB/](http://members.tripod.com/~UTTAMDEB/)).

III. EDUCATIONAL BACKGROUND

Name of School/ College/ University	Years attended		Name of the Exams with subject offered*	Division/ Class & Place obtained	Year of obtaining Cert. or degree
	From	To			
Barkota High School	1973	1979	S.S.C. (Science)	First Division	1979
Hassanpur S N College	1979	1981	H.S.C. (Science)	First Division (Board scholarship)	1981
Bangladesh Agricultural University	1982	1987	B.Sc. Ag. Econ (Hons.)	First Class 2nd	1985 (held in 1987)
Bangladesh Agricultural University	1987	1990	M. Sc. Ag. Econ	First Class 1st	1986 (held in 1990)
University of the Philippines Los Banos (UPLB)	1991	1995	Ph.D (Ag. Econ)*	Successful Completion	1995

* **Courses completed for Ph.D.** Graduate Micro Economics (2 courses), Graduate Macro Economics (2 courses), Development Economics, International Trade, Resource Economics (2 courses), Advanced Production Economics, Advanced Farm Management, Agricultural Project Analysis, Advanced Agricultural Finance, Environmental Impact Assessment (2 courses), Econometrics, and Operations Research.

Doctoral Dissertation: Human Capital and Agricultural Growth in Bangladesh.

IV. EMPLOYMENT HISTORY

Position	Employer	Period	Duration
Research Fellow	Centre for Policy Dialogue (CPD), Bangladesh	1 October 2001 to date	
Consultant	International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India	1 May 2001 to 30 Sept. 2001	5 months
Special Project Scientist	International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India	28 June 1999 to 27 February 2001	1 year 8 months
Senior Scientific Officer	Bangladesh Rice Research Institute (BRRI), Bangladesh	19 June 1996 to 23 June 1999	3 years
Research Fellow (On leave from BRRI)	International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India	14 Nov 1996 to 13 Nov 1998	2 years
Scientific Officer	Bangladesh Rice Research Institute (BRRI), Bangladesh	06 Aug 1989 to 19 June 1996	7 years
Research Associate (ABORD Project)*	Bangladesh Institute of Development Studies (BIDS), Bangladesh	16 Jan 1988 to 30 Nov 1988	11 months

*ABORD =Analytical Bibliography on Rural Development

V. PROFESSIONAL EXPERIENCE

a. Research Experience

October 2001 to date

Research Fellow, Centre for Policy Dialogue (CPD), Dhaka, Bangladesh.

Conducting research on rural livelihood systems, agricultural growth and its sources, and impacts of trade liberalization on Bangladesh agriculture.

May 2001 to September 2001

Consultant, Socio-Economics and Policy Program (SEPP), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India.

Studied Dynamics of Rural Livelihood Options in Andhra Pradesh, India, and prepared a review paper on "Spillover Impacts of Agricultural Research".

June 1999 to February 2001

Special Project Scientist, Socio-Economics and Policy Program (SEPP), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India.

Coordinated and conducted research on adoption and impacts of improved agricultural technologies, supervised graduate student-trainees, and established an adoption and impact monitoring systems (AIMS).

November 1998 to June 1999

Senior Scientific Officer, Bangladesh Rice Research Institute (BRRI), Bangladesh.

Responsibilities included involvement in planning, design, implementation, monitoring and evaluation of research activities of socio-economic and policy research of BRRI. Conducted farm survey, data collection, data processing, analysis and report writing activities independently and jointly. Also involved with technology transfer process at BRRI.

November 1996 to November 1998

Research Fellow, Socio-Economics and Policy Program (SEPP), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India.

Responsibilities included coordinating and conducting research on spillover impacts of sorghum germplasm research at ICRISAT.

June 1996 to November 1996

Senior Scientific Officer, Bangladesh Rice Research Institute (BRRI), Bangladesh.

Involved in planning, design, implementation, monitoring and evaluation of research activities of socio-economic and policy research of BRRI. Conducted farm survey, data collection, data processing, analysis and report writing activities independently and jointly. Also involved with technology transfer process at BRRI.

April 1991 to November 1995

Ph.D. Student, Department of Agricultural Economics, University of the Philippines Los Banos (UPLB), Philippines.

Affiliate Research Scholar, Social Sciences Division, International Rice Research Institute (IRRI), Philippines (July 1993 to November 1995). Conducted research on the effect of farmers education on agricultural output growth, technology adoption and resource use efficiency in Bangladesh agriculture. Completed Ph.D. thesis entitled "Human Capital and Agricultural Growth in Bangladesh".

August 1989 to April 1991

Scientific Officer, Bangladesh Rice Research Institute (BRRI), Bangladesh. Responsibilities included conducting research on all aspects of rice economics based on experimental, farm survey, and macro-level data.

January 1988 to November 1988

Research Associate, ABORD project, Bangladesh Institute of Development Studies (BIDS), Bangladesh. Critically review the literature, related to agricultural production and technology, to prepare an analytical bibliography on rural development in Bangladesh.

b. Teaching and Training Experience

Adjunct Faculty of the Bangabandhu Sheikh Mujibur Rahaman Agricultural University, Bangladesh since 1996. I taught a graduate level course AEC 504: Optimization in Economics offered by the Department of Agricultural Economics and supervised M.S. thesis in Agricultural Economics and allied sciences. One student has successfully completed his MS degree under my supervision.

Approved thesis supervisor for M.Sc. Ag. Econ Students, Department of Agricultural Economics, Bangladesh Agricultural University, Mymensingh.

At ICRISAT, I am involved in training & supervision of Graduate students coming from various universities including Osmania University, Delhi School of Economics and Gokhale Institute of Economics and Politics, Pune; and Agricultural Economists coming from different countries of Asia and Africa.

Acted as a resource person in various National Level Training Programs related to agricultural economics research in Bangladesh and India.

VI. ADVANCED TRAINING

Trade Policy Appreciation Workshop (November 26-29, 2001). Conducted jointly by Carleton University, Canada and the Centre for Policy Dialogue (CPD), Bangladesh.

Use of GIS in Analysis of Cropping Systems (August 20 to August 29, 1997). Conducted jointly by Cornell University and International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India.

Scientific Writing and Presentation Course (December 19 to December 30, 1994). International Rice Research Institute, Philippines.

Rapid Rural Appraisal Activities (November 1992). International Institute of Rural Reconstruction (IIRR), Philippines.

Summer Program in Economics (April 1 to May 24, 1991). University of the Philippines Los Banos, Philippines.

Successfully completed Rice Production Training Course (September 3, 1990 to December 1, 1990) with honours, organized by the Bangladesh Rice Research Institute, Gazipur, Bangladesh.

VII. COMPUTER LITERACY AND SPECIAL SKILLS

Fully conversant with PC computers, and current versions of various software: database management (MS Access, dBase III plus), graphics and presentation (PowerPoint, Harvard Graphics, Freelance), spreadsheet analysis (Lotus, Q-Pro, Excel), statistical packages (SAS, LIMDEP, SPSS, TSP), mathematical packages (QSB, LP88), word processing (WordPerfect, MS Word), geographical information systems (ArcView, ArcInfo), and operating systems (MS Dos, OS2, Windows 3.1, 95, 98). Familiar with information access and sharing on the World Wide Web. Currently webmaster for AgriNet Bangladesh, an agricultural issue related website (<http://members.tripod.com/~UTTAMDEB>).

Special skill in econometric and mathematical modeling.

Language proficiency: Fluently read, write, and speak English and Bengali. Speak and read Hindi.

VIII. LIST OF PUBLICATIONS

A total of 46 publications including 5 book chapters/ book, 12 refereed journal articles, 4 book review articles, 15 conference/workshop papers, 4 technical reports, 4 poster papers, and 2 MSc/PhD theses.

Book Chapters/ Book (5)

1. Deb, U K, and M C S Bantilan. 2002. Impacts of genetic improvement in sorghum. Chapter 9 in Robert Evenson and Douglas Gollin (Eds.). *Crop Variety Improvement and Its Effect on Productivity: The Impact of International Agricultural Research*. Wallingford, UK: CAB International. Forthcoming.
2. Bantilan, M C S and U K Deb. 2002. Impacts of genetic improvement in pearl millet. Chapter 10 in Robert Evenson and Douglas Gollin (Eds.). *Crop Variety Improvement and Its Effect on Productivity: The Impact of International Agricultural Research*. Wallingford, UK: CAB International. Forthcoming.
3. Bantilan, M C S, U K Deb and S N Nigam. 2002. Impacts of genetic improvement in Groundnut. Chapter 14 in Robert Evenson and Douglas Gollin (Eds.). *Crop Variety Improvement and Its Effect on Productivity: The Impact of International Agricultural Research*. Wallingford, UK: CAB International. Forthcoming.
4. Subbarao, G V, J V D Kumar Rao, J Kumar, C Johansen, **U K Deb**, I Ahmed, M V Krishna Rao, L Venkatratnam, K R Hebbar, M V R S Sai, and D Harris. 2001. Spatial Distribution and Quantification of Rice-Fallows in South Asia—Potential for Legumes. Patancheru 502 324, Andhra Pradesh, India: International Crops Research Institute for the Semi-Arid Tropics. 316 pp. ISBN 92-9066-436-3.
5. Rahman, M.M., M.A. Bakr, M.F. Mia, K.M. Idris, C.L.L. Gowda, J.Kumar, **U.K. Deb**, M.A. Malek and A.Sobhan 2000. Legumes in Bangladesh. Chapter 2, pages 5-34 in *Legumes in Rice and Wheat Cropping Systems of the Indo-Gangetic Plain—Constraints and Opportunities*. (C Johansen, J M Duxbury, S M Virmani, C L L Gowda, S Pande Eds.) Patancheru 502 324, Andhra Pradesh, India: International Crops Research Institute for the Semi-Arid Tropics; and Ithaca, New York, USA: Cornell University.

Journal Articles (12)

1. Deb, U.K., P.K. Joshi and M.C.S. Bantilan. 1999. Impact of Modern Cultivars on Growth and Relative Variability in Sorghum Yields in India. *Agricultural Economics Research Review*. 12 (2): 84-106.
2. Deb, U.K., G.K. Bose and M.M. Dey. 1999. Growth and Variability in Sugarcane Production in Bangladesh. *The Asian Economic Review*. 41 (1): 152-165.
3. Kundu, T.K., U.K. Deb and M. Kamruzzaman. 1999. Economic Profitability and Resource Use Efficiency in Sesame Production in Some Selected Areas of Bangladesh. *Economic Affairs*. Vol. 44 (2): 87-97.
4. Shiyani, R.L. and U.K. Deb. 1998. Technical Efficiency of Cooperative and Individual Milk Producers. *The Asian Economic Review*. 40 (2): 222-230.
5. Deb, U.K. 1998. Modern Rice Cultivation under Recommended and Farmers' Practice: An Economic Analysis. *Economic Affairs*. 43 (3): 168-178.
6. Deb, U.K. and B.A.A. Mustafi. 1997. Social Returns to Rice Research in Bangladesh. *Bangladesh Journal of Agricultural Economics*. 20 (2): 21-41.

7. Deb, U.K. and Mahabub Hossain. 1996. Effect of Education on Technology Adoption and Aggregate Crop Production. *Bangladesh Journal of Agricultural Economics*. 19 (1 & 2): 1-15.
8. Deb, U.K. and Mahabub Hossain. 1995. Farmers' Education, Modern Technology and Technical Efficiency of Rice Growers. *Bangladesh Journal of Agricultural Economics*. 18 (2): 1-13.
9. Deb, U. K., M.A.S. Mandal and M.M. Dey. 1991. Impact of New Technology on Production Variability in Bangladesh Agriculture. *Bangladesh Journal of Agricultural Economics*. XIV (2): 27-50.
10. Deb, U. K., M.M. Dey and M.A.S. Mandal. 1991. Changes in the Crop Production and their Sources in Bangladesh Agriculture. *Bangladesh Journal of Agricultural Economics*. XIV (1): 1-18.
11. Biswas, J.C. and U. K. Deb. 1991. Agronomic and Environmental Constraints in Achieving Grain Production Target in the Fourth Five Year Plan Period. *Farm Economy*. 8: 149-163.
12. Dey, M.M. and U. K. Deb. 1990. The Economics of Investment in Agricultural Research in Bangladesh. *Bangladesh Journal of Agricultural Economics*. XIII (1 & 2): 1-23.

Seminar/ Workshop Papers (15)

1. Deb, U. K., and M.C.S. Bantilan. 2000. Yield and Stability Gains from Crop Genetic Improvement in Sorghum. Paper presented at the American Association for Advancement of Science (AAAS) conference held in Washington DC on 17-22 February 2000.
2. Bantilan, M C S and U K Deb. 2000. Joint Impacts of Partnership of ICRISAT-NARS Pearl Millet Genetic Improvement. Paper presented at the American Association for Advancement of Science (AAAS) conference held in Washington DC on 17-22 February 2000.
3. Deb, U K, M C S Bantilan and B V S Reddy. 2000. Impact of Improved Sorghum Cultivars in India. Paper presented at the "NCAP-ICRISAT Workshop on Impacts of Agricultural Research in India" held at ICRISAT on 10-11 February 2000.
4. Deb, U K, M C S Bantilan and S N Nigam. 2000. Impact of Genetic Improvement in Groundnut in India. Paper presented at the "NCAP-ICRISAT Workshop on Impacts of Agricultural Research in India" held at ICRISAT on 10-11 February 2000.
5. Deb, U K, M C S Bantilan and K N Rai. 2000. Impact of Improved Pearl Millet Cultivars in India. Paper presented at the "NCAP-ICRISAT Workshop on Impacts of Agricultural Research in India" held at ICRISAT on 10-11 February 2000.
6. Paul, D N R, **U K Deb**, F T Bantilan, Md. Moinuddin and S Pande. 2000. Wheat Production Performance in Bangladesh: A GIS Analysis. Pages 80-87 in GIS Application in Cropping System Analysis—Case Studies in Asia (A K Maji, S Pande, C Johansen and F T Bantilan Jr. eds.). Proceedings of an International Workshop on Harmonization of Databases for GIS Analysis of Cropping Systems in Asia Region. Patancheru 502 324, Andhra Pradesh, India: International Crops Research Institute for the Semi-Arid Tropics (ICRISAT).
7. Deb, U K, M Mgonja and M C S Bantilan 2000. Adoption and Impact Monitoring Systems (AIMS). Paper presented at the ICRISAT-World Vision International workshop on

"Dissemination of Technologies Enhancing Smallholder Income in sub-Saharan Africa: Science with a Human Face" held at Bulawayo Rainbow Hotel, Bulawayo, Zimbabwe on 20-23 November 2000.

8. Deb, U K., and M C S Bantilan. 1999. Impacts of Crop Genetic Improvement in Sorghum. Paper presented at the Impact Assessment and Evaluation Group (IAEG) workshop held at Nashville, Tennessee, USA on 7-8 August 1999.
9. Bantilan, M.C.S. and U.K. Deb. 1999. Crop Genetic Improvements in Pearl Millet: Economic Impacts. Paper presented at the Impact Assessment and Evaluation Group (IAEG) workshop held at Nashville, Tennessee, USA on 7-8 August 1999.

10. Deb, U.K., and M.C.S. Bantilan. 1998. Sorghum Database Development to Enhance Technology Spillovers. *In* Gowda, C.L.L. and J.W. Stenhouse (eds.) Strengthening Sorghum Research Collaboration in Asia: report of the Asian Sorghum Scientists' Meeting, 18-21 Nov 1997, Suphan Buri, Thailand. Patancheru 502 324, Andhra Pradesh, India: International Crops Research Institute for the Semi-Arid Tropics (ICRISAT). pp. 29-33.
11. Deb, U.K. and M.C.S. Bantilan. 1997. GIS Application in Analyzing the Spillover Impacts of ICRISAT Sorghum Research. Paper presented at the "Workshop on Use of GIS in Analysis of Cropping Systems", held on 20-29 August 1997, at the ICRISAT Asia Center, Patancheru 502 324, AP, India.
12. Deb, U.K. and B.A.A. Mustafi. 1996. Prioritizing Rice Research (1996-2000) at BRRI: Results of an ex-ante analysis. Paper presented at the 19th Bangladesh Science Conference held on October 29-31, 1996 held at Jahangir Nagar University, Bangladesh and Organized by the Bangladesh Association for Advancement of Science (BAAS).
13. Paul, D.N.R. and U.K. Deb. 1996. Growth and Variability in Rice Production in Bangladesh: Implications for Rice Research. Paper prepared for the 19th Bangladesh Science Conference held on October 29-31, 1996 held at Jahangir Nagar University, Bangladesh and Organized by the Bangladesh Association for Advancement of Science (BAAS).
14. Awal, K.J.M.A., M.N. Amin and **U.K. Deb**. 1996. Performance of BRRI Dhan 28 at Farmers Filed in Boro Season in Bagmara, Rajshahi. Paper presented at the farmer-researchers-Extension workshop held at BRRI Rajshahi Regional Station, Bangladesh on October 1996.
15. Deb, U.K. 1996. Household Survey: Sampling Technique and Analysis in the Context of TCTTI Project. Discussion paper prepared for the Baseline Survey Training Course organized by the Department of Agricultural extension with assistance from UNDP/FAO/TCTTIP June -October 1996.

Book Review (4)

1. Deb, U. K. 1995. Impact of Pesticides on Farmer Health and the Rice Environment. Edited by Prabhu L. Pingali and Pierre A. Roger. Los Banos: International Rice Research Institute. *Bangladesh Journal of Agricultural Economics*. XVIII (1): 107-109.
2. Deb, U. K. 1993. Modern Rice Technology and Income Distribution in Asia. Edited by Cristina C. David and Keijiro Otsuka. Boulder & London: Lynne Rienner Publisher and Manila: International Rice Research Institute. *Bangladesh Journal of Agricultural Economics*. XVI (2): 121-122.
3. Deb, U. K. 1993. Pesticides, Rice Productivity and Farmers' Health: an economic assessment" . By Agnes C. Rola and Prabhu L. Pingali. Manila: International Rice Research Institute and Washington D.C.: World Resources Institute. *Bangladesh Journal of Agricultural Economics*. XVI (2): 119-120.
4. Deb, U. K. 1989. Variability in Grain Yields: Implications for Agricultural Research and Policy in Developing Countries. Edited by J. R. Anderson and P.B.R.Hazell. Baltimore and London: The Johns Hopkins University Press, 1989. *Bangladesh Journal of Agricultural Economics*. XII (2): 99-101.

Technical Reports/ Poster Papers (8)

1. Bantilan, M.C.S., U.K. Deb and S.D. Singh. 2000. Farm Level Genetic Diversity in Pearl Millet in India. Poster Paper presented at the 3rd International Crop Science Congress held at the CCH Hamburg, Germany on 18-22 August 2000.
2. Aradhyula, S., U.K. Deb and M. C. S. Bantilan. 2000. Revenue Uncertainty and Enterprise Diversification in the Semi-Arid Tropics of India. Poster paper presented at the American Agricultural Economics Association Annual Conference held at Tampa, USA on July 31–August 2, 2000.
3. Bantilan, M.C.S., V. K. Chopde, S. Gupta and **U.K. Deb**. 1999. Factors influencing adoption of improved pearl millet cultivars in Rajasthan, India. Poster paper presented at the workshop on Summer Training on Socio-economics and Policy held at ICRISAT on 27 July 1999.
4. Bantilan, M.C.S., Y. M. Rao, H.K. Gujral and **U.K. Deb**. 1999. Critical factors influencing adoption of improved pearl millet cultivars in Maharashtra, India. Poster paper presented at the workshop on Summer Training on Socio-economics and Policy held at ICRISAT on 27 July 1999.
5. Deb, U.K. and M.C.S. Bantilan (Ed.) 1998. Spillover Impacts of Sorghum Germplasm Research. Mimeo. Socio-economics and Policy Program, ICRISAT.
6. Mustafi, B.A.A., **U.K. Deb** and Mahabub Hossain. 1997. Sustainable Development of Coastal Wetland: A Case Study of Khulna Region of Bangladesh. Mimeo. Social Sciences Division, IRRI, Philippines.
7. Deb, U.K. et.al. 1996. PRA/Baseline Survey Report of Jatragachi Village of Bagmara, Rajshahi. Mimeo. Report submitted to the UNDP/FAO/TCTTIP Project.
8. Orr, A. M.A. Jabber, Md. Shah-E-Alam, M.E. Harun, **U. K. Deb** and Kamal Rahim. 1991. Constraints to the Adoption of Modern Rice Varieties in the T. Aman Season in Bangladesh. Joydebpur: BRRI. Research Report No. 9. (mimeo).

Ph.D/M.S.Theses (2)

1. Deb, U.K. 1995. Human Capital and Agricultural Growth in Bangladesh. Unpublished Ph.D. Dissertation. Philippines: University of the Philippines Los Banos.
2. Deb, U. K. 1990. An Analysis of Production Variability in Bangladesh Agriculture. Unpublished M.Sc. Ag. Econ Thesis. Bangladesh: Deptt. of Agricultural Economics, Bangladesh Agricultural University, Mymensingh. March.

Uttam Kumar Deb

Date: December 31, 2001