

# Anik Bhaduri

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**Field of Academic Specialization-** Environment and Natural Resource Economics; Global Change, Water Economics

## Education-

- 2001-2005     **PhD.** in Economics, University of Wyoming, USA December 2005.  
*(Dissertation title: Transboundary water Sharing Between an Upstream and Downstream country; Dissertation Committee Chair: Edward B. Barbier)*
- 1996-1998     **M.A.** in Economics, the Delhi School of Economics, Delhi, India.
- 1992-1995     **B.Sc.** in Economics, St. Xavier's College, Calcutta University, Calcutta, India

## Professional Experience-

- December 2015-     *Executive Director* Sustainable water Future Programme ( SWFP) and  
Associate Professor, Griffith University, Australia
- June 2012-  
November 2015     *Executive officer*  
Global water System Project ( GWSP)
- January 2008-  
May 2012            *Senior Research Economist*  
University of Bonn, Center for Development Research.
- August 2005-  
December 2007     *Post Doctoral Research Fellow*  
International Water Management Institute (IWMI)
- 2004 and 2005  
Summer             *Instructor*  
Department of Economics and Finance, University of Wyoming.
- June2002-June2005    *Research Assistant*  
Department of Economics and Finance, University of Wyoming.

August 2001-May 2002	<i>Teaching Assistant</i> Department of Economics and Finance, University of Wyoming.
January 1999-April 2001	<i>Project Associate</i> National Institute of Public Finance and Policy (NIPFP) Ministry of Finance, Government of India, New Delhi, India.

### **Selected Publications-**

1. Bekchanov Maksud, Anik Bhaduri and Claudia Ringler (2015) “Potential gains from water rights trading in the Aral Sea Basin” *Agricultural Water Management* Volume 152, Pages 41–56.
2. E Barbier and A Bhaduri (2015) *Transboundary Management with Issue Linkage in Handbook of Natural Resource Economics* edited by Robert Halvorsen and David F. Layton, Publisher Edward Elgar
3. Bhaduri Anik, Claudia Ringler, Ines Dombrowski, Rabi Mohtar and Waltina Scheumann ( 2015) “ Sustainability in the Water Energy Food Nexus “ *Water International* volume-4-5 pages 723-732
4. A Bhaduri (2015) *Trade and Transboundary water Sharing in Handbook of Water Security* edited by Claudia Pahl -Wostl, Anik Bhaduri and Joyeeta Gupta Publisher Edward Elgar ( forthcoming)
5. Maksud Beckchanov, Claudia Ringler, Anik Bhaduri and Marc Jeuland (2015)“Optimizing irrigation efficiency improvements in the Aral Sea Basin” *Water Resource and Economics* (In press )
6. Bekchanov Maksud, Claudia Ringler and Anik Bhaduri (2015) “A water rights trading approach to increase inflows to the Aral Sea Basin “*Land Degradation and Development* , doi: [10.1002/ldr.2394](https://doi.org/10.1002/ldr.2394).
7. Maksud Bekchanov, Claudia Ringler, Anik Bhaduri, Marc Jeuland (2015)“How would the Rogun Dam affect water and energy security in Central Asia “*Water International*. Volume 40 issue 5-6
8. Mori-Clement, Y., Bhaduri, A., & Djanibekov, N. (2014). *The Role of Institutions and Water Variability in Food Security in Uzbekistan: The Case of Rice Markets in the Khorezm Region*. In *The Global Water System in the Anthropocene* (pp. 91-104). Springer International Publishing.

9. A Bhaduri and N Djanibekov (2014) Potential Water Price Flexibility, Tenure Uncertainty and Cotton Restrictions on Adoption of Efficient Irrigation Technology in Uzbekistan In Restructuring Land and Water Use: Technologies, Policies and Practices in the Lower Amy Darya Region, Central Asia Bonn University press .
10. Mori-Clement, Y., Bhaduri, A., & Djanibekov, N. (2014). Food price fluctuations in Uzbekistan: Evidences from local markets In Restructuring Land and Water Use: Technologies, Policies and Practices in the Lower Amy Darya Region, Central Asia Bonn University press .
11. Bekchanov, M., Bhaduri, A., Lenzen, M., & Lamers, J. P. (2014). Integrating Input-Output Modeling with Multi-criteria Analysis to Assess Options for Sustainable Economic Transformation: The Case of Uzbekistan. In The Global Water System in the Anthropocene (pp. 229-245). Springer International Publishing.
12. Lenzen, M., Moran, D, Bhaduri, A, Kanemoto, K., Bekchanov, M., Geschke, A., & Foran, B. (2013). International Trade of Scarce Water, Ecological Economics, volume 74 Pages 78–85
13. Bhaduri A and Julia Kloos (2013) Getting the Water Prices Right Using an Incentive-based Approach: An Application of Choice Experiment in Khorezm, Uzbekistan, European Journal of Development Research 25, 680-694 .
14. C Ringler, A Bhaduri, R Lawford (2013) “The nexus across water, energy, land and food (WELF): potential for improved resource use efficiency?” Current Opinion in Environmental Sustainability , Volume 5, Issue 6 Pages 617-624.
15. Bhaduri, A and Manna, U. (2013), Impacts of Water Supply Uncertainty And Storage on Efficient Irrigation Technology Adoption. Natural Resource Modeling. Doi: 10.1111/Nrm.12016.
16. H Yang, S Pfister, A Bhaduri (2013) “Accounting for a scarce resource: virtual water and water footprint in the global water system” Current Opinion in Environmental Sustainability. Volume 5, Issue 6 Pages 599-606.
17. C Pahl-Wostl, CVörösmarty, A Bhaduri, J Bogardi, J Rockström, J Alcamo (2013) “Towards a sustainable water future: shaping the next decade of global water research” Current Opinion in Environmental Sustainability Volume 5, Issue 6. Pages 708–714.
18. Tischbein, B., Manschadi, A. M., Conrad, C., Hornidge, A. K., Bhaduri, A., Ul Hassan, MJ. P. A. Lamers, U. K. Awan& Vlek, P. L. G. (2013). Adapting to Water Scarcity–Constraints and Opportunities for Improving Irrigation Management in Khorezm, Uzbekistan. Water science and technology: water supply, 13(2), 337-348.

19. Djanibekov, U., Djanibekov, N., Khamzina, A., Bhaduri, A., Lamers, J., & Berg, E. (2013). Impacts of innovative forestry land use on rural livelihood in a bimodal agricultural system in irrigated drylands. *Land Use Policy*, 35, 95-106.
20. S Marx and A Bhaduri (2013) "Understanding the Global Water System for Water Cooperation" in *Free Flow, Reaching Water security through cooperation*, published by UNESCO. Pg 288-290.
21. B. Tischbein, A. M. Manschadi, C. Conrad, A.-K. Hornidge, A. Bhaduri, M. Ul Hassan, J. P. A. Lamers, U. K. Awan and P. L. G. Vlek 2013 "Adapting to water scarcity: constraints and opportunities" for improving irrigation management in Khorezm, Uzbekistan" , *Water Science and Technology*, 13(2) .
22. Beckanov M, A Bhaduri, M Lenzen and J Lamers(2012) The role of virtual water for sustainable economic restructuring: evidence from Uzbekistan, Central Asia. ZEF-Discussion Papers on Development Policy No. 167, Center for Development Research (ZEF), Bonn,
23. Bhaduri A and J Liebe (2012) "Cooperation in Trans boundary water sharing with issue linkage: A game-theoretical case study in the Volta Basin" *Journal of Water Resource Planning and Management*. doi:[http://dx.doi.org/10.1061/\(ASCE\)WR.1943-5452.0000252](http://dx.doi.org/10.1061/(ASCE)WR.1943-5452.0000252).
24. Bhaduri A, U Amarasinghe and T Shah. (2012) An Analysis of Groundwater Irrigation Expansion in India. *International Journal of Environment and Waste Management*. Vol. 9, Nos. 3/4
25. Bhaduri A and E. B Barbier (2011) "Water Allocation between States in Inter Basin Water Transfer in India" *International Journal of River Basin Management*, 9(2) 117-127.
26. Bhaduri A, U. Manna , E. Barbier and J. Liebe. (2011) "Climate Change and Cooperation in Transboundary Water Sharing: An Application of Stochastic Stackelberg Differential Games in Volta River Basin" *Natural Resource Modeling*, 24(4): 409-444
27. Katharina Hornidge A, L. Oberkircher, B. Tischbein, G. Schorcht, A. Bhaduri and A M. Manschadi (2011) "Reconceptualizing water management in Khorezm, Uzbekistan" *Natural resources Forum* 35: 4, pp. 251-268.
28. A Sharma and Anik Bhaduri(2009) "THE TIPPING POINT IN INDIAN AGRICULTURE: Understanding the Withdrawal of Indian Rural Youth" *Asian Journal of Agriculture and Development*. Pages 83-97. Volume 6 No. 1.
29. Bhaduri A and E Barbier (2008) "International water transfer and sharing: the case of the Ganges River", *Environment and Development Economics*. 29-51 Vol 13 Issue 1.

30. Bhaduri A and E Barbier. (2008) “Political Altruism of Water Sharing”, B.E. Journals in Economic Analysis & Policy. Vol 8 Issue 1.

#### **Other Publications-**

- Amarasinghe Upali, Anik Bhaduri, O. P Singh and Ojha A and B. K Anand. 2008. Cost and Benefits of Intermediate Water Storage Structures: Case Study of Diggies in Rajasthan, India Proceeding of the CGIAR challenge Program on Water and Food, Addis Ababa, Ethiopia , 3, 79-82.
- Bhaduri Anik, Utpal. Manna , Edward Barbier and Jens Liebe. (2009) Cooperation in transboundary water sharing under Climate Change. ZEF-Discussion Papers on Development Policy No. 132.
- Bhaduri A., Upali Amarasinghe and Tushaar Shah (2008) “ Benefits of Irrigation Water Transfers in the National River Linking Project: A Case Study of Godavari (Polavaram)-Krishna Link in Andhra Pradesh” in Amarasinghe, U.A.; Sharma, B.R., eds. Strategic analyses of the National River Linking Project. Of India, series 2. International Water Management Institute Colombo, Sri Lanka. 173-193 p.
- Bhaduri Anik and Edward Barbier (2008) “Linking Rivers in the Ganges-Brahmaputra River Basin Exploring the Transboundary Effects” in Amarasinghe, U.A.; Sharma, B.R., eds. 2008. Strategic analyses of the National River Linking Project (NRLP) of India, series 2. International Water Management Institute Colombo, Sri Lanka. 373-395 p.
- Anik Bhaduri, Nicostrato Perez and Jens Liebe (2008) “Scope and Sustainability of Cooperation in Transboundary Water Sharing of the Volta River”, ZEF – Discussion Papers On Development Policy No. 124, Center for Development Research, Bonn, September 2008, pp. 28.
- Mathur, Om Prakash, Pratishtha Sengupta and Anik Bhaduri, (2000), “Option for Closing the Revenue Gap of Municipalities-2000-01 to 2004-05”, National Institute of Public Finance and Policy, New Delhi.

#### **Editing of recent Journal Special Issues and Books**

- Edited a Special Issue ( with Charles Vörösmarty and Claudia Pahl –Wostl) titled [Water in the Anthropocene: New perspectives for global sustainability](#) in Current Opinion in Environmental Sustainability Volume 5, Issue 6, Pages 535-714 (December 2013)
- Edited a Book ( with Janos Bogardi, Jan Leentvaar and Sina Marx) titled [The Global Water System in the Anthropocene , Challenges for Science and Governance](#) , Springer Publisher 2014.

- Editing a handbook (with Claudia Pahl–Wostl and Joyeeta Gupta) titled Handbook of Water Security, Publisher Edward Elgar-(under preparation) consisting of Twenty papers , Forthcoming January 2015
- Editing a special issue in Water International on Sustainability in the Water Energy Food Nexus (with co-editors Ines Dombrowsky, Rabi Mohtar, Claudia Ringler and Waltina Scheumann) two volumes consisting of 12 papers. Volume 40 issue 5-6

**Honours and Awards-**

- 2011 June *Honorary Research Fellow* University of Manchester school of Social Science
- 2004 *Outstanding Ph.D. Student Award*, Department of Economics and Finance, University of Wyoming
- 2002 *Outstanding First Year Ph.D. Student Award*, Department of Economics and Finance, University of Wyoming
- 2002 – 2005 *Plummer Scholarship* for Environment and Natural Resource Conservation and Management; (*annually*)