

## CURRICULUM VITAE

### A.M. TANVIR HUSSAIN, Ph.D.

SENIOR RESEARCHER AND LECTURER

Environmental Economics and Resource Management, University of Freiburg  
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## EDUCATION

2003–2009, Ph.D. in Economics, University of Wyoming, Wyoming, USA

**Dissertation Title:** Rangeland Ecosystem Services: Hunting, Grazing and Wildlife Viewing

**Dissertation Committee:** Prof. John Tschirhart (Chairperson); Prof. Jason Shogren  
Dr. David Finnoff; Dr. David Aadland; Dr. Chris Bastian

1997–2001, B.S. in Economics, North South University, Dhaka, Bangladesh

## PROFESSIONAL EXPERIENCE

April 2015 – present Senior Researcher and Lecturer  
Environmental Economics & Resource Management  
University of Freiburg, Germany  
**Composition:** Teaching (45%), Research (45%) and Administrative (10%)

May 2013 – March 2015 Senior Researcher  
Sustainability Economics Group  
Leuphana University of Lüneburg, Germany

July 2010 – March 2016 Assistant Professor (on leave since May 2013)  
Department of Economics and Social Sciences  
BRAC University, Bangladesh

2006 – 2008 Instructor, Department of Economics & Finance  
University of Wyoming, USA

2003 – 2007 Teaching/Research Assistant, Department of Economics & Finance  
University of Wyoming, USA

2002 – 2003 Teaching Assistant, Department of Economics  
North South University, Bangladesh

## PROJECT EXPERIENCE

At University of Freiburg and also at Leuphana University of Lüneburg, I was involved in the [Sustainable Coastal Land Management: Trade-offs in Ecosystem Services \(COMTESS\)](#) project. COMTESS performed an inter- and trans-disciplinary investigation of land management options along the North Sea and the Baltic Sea coastal regions of Germany. In COMTESS, I:

- ▶ assisted in project coordination (ten German universities collaborated in the project)
- ▶ conducted research on insurance value and analysis of trade-offs between land uses
- ▶ presented project results at scientific conferences and workshops
- ▶ assisted in preparing project reports

## TEACHING EXPERIENCE

### 1. University of Freiburg

- ▶ Society & Economy, Scientific Frameworks - Economics
  - for students in M.Sc. Renewable Energy Engineering and Management
  - topics covered in lectures and tutorials: (i) principles of economics, (ii) intermediate microeconomic theory, (iii) economics of energy markets, (iv) energy market risk analysis and management and (v) market failure and regulation
- ▶ Economy, Environment and Institutions
  - contributed lectures and tutorials on (i) intermediate microeconomic theory and (ii) market failure and regulation
  - for students in M.Sc. Environmental Governance
- ▶ Taught tutorials for the Economics of Biodiversity and Ecosystem Services course
- ▶ Please visit <http://www.ere.uni-freiburg.de/lehre-en> for more information about my teaching

### 2. BRAC University

- ▶ **Bachelors courses:** Introduction to Microeconomics, Intermediate Microeconomics, Microeconomic Analysis, Mathematics for Business and Economics, Mathematical Methods for Economics, Environmental and Resource Economics, Public Finance
- ▶ **Masters courses:** Microeconomic Theory and Applications, Resource and Environmental Economics

### 3. University of Wyoming

- ▶ **Bachelors courses:** Intermediate Microeconomics and Principles of Macroeconomics

## RESEARCH INTERESTS

- ▶ Biodiversity and ecosystem services; trade-offs in ecosystem services
- ▶ Insurance value of biodiversity and resilience in ecological-economic systems
- ▶ Environmental valuation under risk

## PUBLICATIONS

- ▶ **Hussain, A.M.T.** and J. Tschirhart. (2013). Economic/Ecological Tradeoffs among Ecosystem Services and Biodiversity Conservation. *Ecological Economics* 93:116-127
- ▶ **Hussain, A.M.T.** and J. Tschirhart. (2010). Optimal Harvest Licensing when Harvest Success is Uncertain. *American Journal of Agricultural Economics* 92:125-140
- ▶ Abdallah, W., S. M. Hashemi, B. Hassan, and **A.M.T. Hussain**. (2012). *Food Security for the Ultra Poor (FSUP) Second Annual Outcome Survey Report*. Draft report prepared for the United Nations World Food Programme. BRAC Development Institute (BDI), BRAC University

## WORK IN PROGRESS

- ▶ Willingness to pay for environmental goods under uncertainty (with S. Baumgärtner and W. Chen)
- ▶ Insurance value of land management scenarios under climate change (with S. Baumgärtner)
- ▶ Shadow-price valuation of multifunctional natural capital under different conceptions of sustainability (with S. Baumgärtner, M. Meyer and M. Quaas)
- ▶ Synthesizing economic values of COMTESS ecosystem services (with S. Baumgärtner and B. Huang)
- ▶ Bidding behavior under value uncertainty (with P. Banerjee, R. Pal and D. Chakrabarti)

## CONFERENCES & WORKSHOPS

- ▶ “Shadow-price valuation of multifunctional natural capital under different conceptions of sustainability”. Paper presented at the **2017 World Conference on Natural Resource Modeling**, Barcelona, Spain (June 2017)
- ▶ “Willingness to Pay for Public Environmental Goods under Uncertainty”. Paper presented at the **AURÖ Young Researchers Workshop “Environmental and Resource Economics”**, University of Basel, Switzerland (February 2017)
- ▶ “Willingness to Pay for Public Environmental Goods under Uncertainty”. Poster presented at the **Foundations of Utility and Risk (FUR) Conference**, Warwick Manufacturing Group, University of Warwick, UK (June 2016)

- ▶ Attended the **22<sup>nd</sup> Annual Conference of the European Association of Environmental and Resource Economists**, Zurich, Switzerland (June 2016)
- ▶ “Willingness to Pay for Public Environmental Goods under Uncertainty”. Invited presentation at the **Environmental and Resource Economics Workshop**, Department of Economics, University of Manchester, UK (May 2016)
- ▶ “Willingness to Pay for Public Environmental Goods under Uncertainty”. Paper presented at the **Annual Meeting of the European Public Choice Society**, University of Freiburg, Germany (March/April 2016)
- ▶ “Insurance Value of Land Management Scenarios under Climate Change: Trade-offs between Ecosystem Services and between Stakeholder Groups”. Paper presented at **envecon2016**, London, UK (March 2016)
- ▶ “Insurance Value of Land Management Scenarios under Climate Change: Trade-offs between Ecosystem Services and between Stakeholder Groups”. Poster presented at **BMBF Sustainable Land Management Final Conference 2016**, Berlin, Germany (March 2016)
- ▶ “Willingness to Pay for Environmental Goods under Uncertainty”. Paper presented at the **17<sup>th</sup> Annual BIOECON Conference - Experimental and Behavioral Economics and the Conservation of Biodiversity and Ecosystem Services**, Kings College, Cambridge, UK (September 2015)
- ▶ “Willingness to Pay for Environmental Goods under Uncertainty”. Paper presented at the **21<sup>st</sup> Annual Conference of the European Association of Environmental and Resource Economists**, Helsinki, Finland (June 2015)
- ▶ “Insurance Value of Land Management Scenarios under Climate Change: Trade-offs between Ecosystem Services and between Stakeholder Groups”. Paper presented at **ISEE2014: Well-being and Equity within Planetary Boundaries**, Reykjavik, Iceland (August 2014)
- ▶ “Willingness to Pay for Environmental Goods under Uncertainty”. Poster presented at the **Summer School in Sustainability Economics: Intergenerational Equity and Efficiency under Uncertainty**, Camp Reinschlen, Germany (August 2014)
- ▶ Attended the **5<sup>th</sup> World Congress of Environmental and Resource Economists**, Istanbul, Turkey (June/July 2014)
- ▶ Attended the **Research and Writing Workshop in Environmental Economics and Policy**. Jointly organized by the South Asian Network for Development and Environmental Economics (SANDEE) and the Economics Research Group (ERG), Jamuna Resort, Tangail, Bangladesh (September 2011)
- ▶ “Optimal Harvesting when Harvesting Success is Uncertain”. Paper presented at the **84<sup>th</sup> Annual Conference of the Western Economic Association International**, Vancouver, B.C., Canada (June/July 2009)

## HONORS & AWARDS

- ▶ Department of Economics & Finance Best First Year PhD Student Award for the academic year 2003–2004
- ▶ International Students Scholarship for academic years 2004–2005, and 2007–2008
- ▶ William E. Morgan Graduate Scholarship for the academic year 2009–2010

## PROFESSIONAL ACTIVITIES

- ▶ **Reviewer:** Ecological Economics, Journal of Forest Economics
- ▶ **Membership:** European Association of Environmental and Resource Economists (EAERE), Resource Modeling Association (RMA)

## ADDITIONAL INFORMATION

- ▶ **Experience with software packages:** L<sup>A</sup>T<sub>E</sub>X(including Beamer), Mathematica, STATA
- ▶ **Languages:** Bengali (native), English (fluent), German (basic)
- ▶ **Citizenship:** Bangladeshi

## REFERENCES

- ▶ **Prof. Dr. Stefan Baumgärtner**  
Chair of Environmental Economics & Resource Management, University of Freiburg  
phone: +49 (0)761 203-3753; email: [stefan.baumgaertner@ere.uni-freiburg.de](mailto:stefan.baumgaertner@ere.uni-freiburg.de)
- ▶ **John Tschirhart**  
Professor Emeritus  
Department of Economics & Finance, University of Wyoming  
phone: +1 307 766-2356; email: [jtsch@uwyo.edu](mailto:jtsch@uwyo.edu)
- ▶ **Jason Shogren**  
Stroock Professor of Natural Resource Conservation and Management  
Department of Economics & Finance, University of Wyoming  
phone: +1 307 766-5430; email: [jramses@uwyo.edu](mailto:jramses@uwyo.edu)