Farid Ahmad

Assistant Professor

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DOB: 30 January 1975
Nationality: Bangladeshi

Research Areas

Technology Assessment, Transfer and Management, Empirical studies in economics and management of innovation with special interest in intellectual property; science, technology and innovation policy, Environmental Management, Biotechnological Engineering: Health, Food, and Biofuel.

Employment

- 2015–present Bangladesh University of Engineering and Technology (BUET), Dhaka Assistant Professor
 - 2014–2015 Bangladesh University of Engineering and Technology (BUET), Dhaka Research Lecturer
 - 2014 Bangladesh University of Engineering and Technology (BUET), Dhaka Senior PS to Vice- Chancellor
 - 2010–2014 Bangladesh University of Engineering and Technology (BUET), Dhaka PS to Vice-Chancellor
 - 2015–2010 Bangladesh University of Engineering and Technology (BUET), Dhaka APS to Vice-Chancellor
 - 2005 Dutch-Bangla Bank Limited, Head Office, Dhaka, Bangladesh Officer (Credit Division)
 - 2003 The University of Comilla, Dept. of Food Science and Technology, Cumilla Lecturer
 - 2001 Coca-Cola, Bangladesh, Abdul Monem Limited, Cumilla Quality Control Officer
 - 2001 Bangladesh Chemical Industries Corporation (BCIC), Bangladesh Assistant Engineer
 - 1997-2000 The New Nation, Ittefaq Group of Publications Ltd, Dhaka Contributing Writer

Education

- 2014–present Ph.D. in Biotechnology
 - Bangladesh University of Engineering and Technology (BUET), Dhaka
 - 2007–2013 M.Engg. in Environmental Engineering
 Bangladesh University of Engineering and Technology (BUET), Dhaka
 - 1995–2000 B.Sc. in Chemical Engineering
 Bangladesh University of Engineering and Technology (BUET), Dhaka

Awards, Scholarships, and Achievements

- 2006 **Research Assistantship**, Chemical Engineering Department, King Fahd University of Petroleum and Minerals (KFUPM), Kingdom Saudi Arabia
- 2005 **Foundation Training Award**, Dutch-Bangla Bank Limited A Bangladesh European Joint Venture Bank
- 2002 Graduate Scholarship and Graduate Housing Scholarship Texas A&M University-Commerce (TAMU), USA
- 1995–2000 University Merit Scholarship,
 Bangladesh University of Engineering and Technology (BUET), Dhaka
 - 1993 Appreciation Letter from Sheikh Hasina, Honorable Prime Minister of Peoples Republic of Bangladesh and Daughter of the Father of the Nation, Bangladesh
- 1993-2000 Education Board scholarship for Higher Secondary Certificate Examination Cumilla, Bangladesh
- 1990-1992 Merit Position in Board Examinations
 Secondary and Higher Secondary Education Board, Cumilla, Bangladesh
- 1990-1992 Education Board scholarship for Secondary School Certificate Examination Cumilla, Bangladesh
- 1987-1990 **Junior Scholarship of District Education Offlice** Cumilla 3500, Government of Bangladesh

Publications

Book Chapters

- Farid Ahmad, Anika Ferdous and Mohidus Samad Khan, "Algae in a vat may power the future: A Review on Algal biodiesel production" in "BIOFUELS: Advances & Perspectives", ed. Geetan-jali Kaushik, Satish S. Patil, Shivani Chaturvedi, and Arvind L Chel, Publisher: Studium Press LLC, USA, 2018, ISBN No. 978-93-85046-22-3.
- 2. Md. Nur-E-Alam, Md. Abu Sayid Mia, Farid Ahmad , and Md. Mafizur Rahman, "An Overview of Chromium (Cr) Removal Techniques and Application of Spent Tea Leaves as Low-Cost Adsorbent for Removing Chromium (Cr) from Tannery Wastewater" in "Removal of Chromium from Land and Wastewater around Tannery Industrial Belt", Publisher: Springer Publications, 2020. (In Progress)

International Peer-Reviewed Journals

- 1. Md. Nur-E-Alam, Md. Abu Sayid Mia, Farid Ahmad, and Md. Mafizur Rahman (2018),8:129 "Adsorption of Chromium (Cr) from Tannery Wastewater using Low-cost Spent Tea Leaves Adsorbent", Applied Water Science, Springer , Volume 8, Issue 5, Article 129, September 2018, ISSN (Print) 2190-5487, ISSN (Online) 2190-5495.
- Md. Abu Sayid Mia, Md. Nur-E-Alam, Farid Ahmad, and M. Kamal Uddin (2017), "Implementation of Lean Manufacturing Tools in Footwear Industry of Bangladesh", Aspects in Mining and Mineral Science, Volume 1, Issue 1, December 2017, Pages 17-25,1000211, ISSN: 2578-0255 doi:10.31031/AMMS.2017.01.0005032.
- 3. Md. Abu Sayid Mia, Md. Nur-E-Alam, Farid Ahmad, Md. Zahangir Alam, and Md. Mafizur Rahman (2017)," Treatment of Tannery Wastewater by Electrocoagulation Technology", Journal of Scientific and Innovative Research 2017; 6(4), Pages 129-134 ISSN 2320-4818.
- 4. Anika Ferdous, Farid Ahmad, Md. Shajid Khan, John Liton Munsh, Chapol Kumar Roy, Husna Parvin Nur, and Mohidus Samad Khan (2017), "Studying Growth Kinetics of Chlorella vulgaris, a Microalgae with High Lipid Content, to Produce Biodiesel in Local Condition", Journal of Nature Science and Sustainable Technology, Volume 11, Number 4, 2017, Pages 341-347, ISSN 1933-0324
- 5. Farid Ahmad, Md. Delwar Hossain, Shaikh Obaidullah Al Mahmood, and Md. Moshrur Raihan (2017), "Implementing EMS in the Manufacturing Industries of Bangladesh: Drivers and Barriers", International Journal of Scientific & Technology Research, Volume 6, Issue 02, February 2017, Pages 164-166, ISSN 2277-8616.

- Md. Abu Sayid Mia, Md. Nur-E-Alam, Farid Ahmad, and M. Kamal Uddin (2017), "Footwear Industry in Bangladesh: Implementation of Six Sigma Methodology", Industrial Engineering & Management 2017, Volume 6, Issue 2, 1000211, ISSN: 2169-0316 doi:10.4172/2169-0316.1000211.
- Md. Abu Sayid Mia, Md. Nur-E-Alam, Farid Ahmad, A.B.M. Wahid Murad, and M. Kamal Uddin (2017), "Application of Lean Tools for the Improvement of Process Cycle Efficiency of Moccasin Shoe Production Line", International Journal of Engineering and Management Research 2017, Volume 7, Issue 6, November-December 2017, Pages 124-133, ISSN (ONLINE) 2250-0758, ISSN (PRINT) 2394-6962.
- 8. Mohidus Samad Khan, Md Mursalin Rahman Khandaker, Suman Nandy, Anika Ferdous, Laila Hossain, Samavi Farnush Bint-E-Naser, Farid Ahmad, John Liton Munshi, and Chapol Kumar Roy, "Prospect of biofuel in Bangladesh: Bioethanol and biodiesel production at local condition", Journal of Ecosystem & Echography 2017, Volume 7, Issue 2 (Suppl), September 2017, Pages 41, ISSN:2157-7625, doi:10.4172/2157-7625-C1-029
- Md. Abu Sayid Mia, Md. Nur-E-Alam, A.B.M. Wahid Murad, Farid Ahmad, and M. Kamal Uddin (2017), "Waste Management & Quality Assessment of Footwear Manufacturing Industry in Bangladesh: An Innovative Approach", International Journal of Engineering and Management Research 2017, Volume 7, Issue 4, July-August 2017, Pages 402-407, ISSN (ONLINE) 2250-0758, ISSN (PRINT) 2394-6962.
- Md. Tushar Uddin, Md. Abdur Razzaq, Ariful Hai Quadery, Murshid Jaman Chowdhury, Al-Mizan, Md. Moshrur Raihan, and Farid Ahmad (2017), "Extraction of Dye from Natural Source (LAC) & its Application on Leather", American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) (2017), Volume 34, No 1, Pages 1-7, ISSN (Print) 2313-4410, ISSN (Online) 2313-4402.
- Md. Moshrur Raihan, Md. Razib Hosen, Md. Ashiqur Rahaman, and Farid Ahmad (2017), "Reducing of Chromium Intensity of Tannery Effluent by Using Low-Cost Adsorbents", European Academic Research, Volume IV, Issue 10, January 2017, Pages 8286-8294, ISSN 2286-4822.
- Md. Moshrur Raihan, Farid Ahmad, Md. Abdul Malek, and Farhan Kabir Shifat (2016), "Removal of Toxic Metal (Chromium) by Using Low-Cost Adsorbent in the Leather Processing Area Hazaribagh, Dhaka, Bangladesh", International Journal of Current Research, Volume 8, Issue 11, November 2016, Pages 41040-41042, ISSN 0975-833X.
- 13. Md. Monir Hossain, Deloar Hossain, Mohammad Afzal Hossain, Farid Ahmad, Md. Mozammel Hoque and Mizanur Rahman (2016), "Lead Time Reduction and Process Cycle Improvement of an Ice-cream Manufacturing Factory in Bangladesh by Using Value Stream Map and Kanban Board: A Case Study", Australian Journal of Basic and Applied Sciences, 10 (15), October 2016, Pages 250-260, ISSN1991-8178, EISSN 2309-8414.

Peer Reviewed Conference Articles

- 1. Maeen Md. Khairul Akter and Farid Ahmad, "Technology Adoption Strategy and Innovative Capacity in Garments Industry for Sustainable Development: Bangladesh Perspective", International Conference on Sustaining Global Garment Industries 2019 (ICSG2i-2019), Organizer: Aalborg University, Denmark and Ahsanullah University of Science and Technology, Dhaka, Bangladesh, 5-7 March 2019, Article No. 043.
- 2. Maeen Md. Khairul Akter and Farid Ahmad, "Developing Sustainable Technology Transfer Center for Textile and Apparel Industries in Bangladesh", Type: Paper Presentation in a Themed Session, Fifteenth International Conference on Environmental, Cultural, Economic & Social Sustainability, Organizer: The On Sustainability Research Network, University of British Columbia Robson Square, Vancouver, Canada, 17-19 January 2019.
- 3. Mohidus Samad Khan, Md Mursalin Rahman Khandaker, Suman Nandy, Anika Ferdous, Laila Hossain, Samavi Farnush Bint-E-Naser, Farid Ahmad, John Liton Munshi and Chapol Kumar Roy, "Prospect of biofuel in Bangladesh: Bioethanol and biodiesel production at local condition", International Conference on Environmental Microbiology and Microbial Ecology & Ecology and Ecosystems 2017, Toronto, Canada, 18-20 September 2017.
- 4. Anika Ferdous, Farid Ahmad, Md. Shajid Khan, John Liton Munsh, Chapol Kumar Roy, Husna Parvin Nur and Mohidus Samad Khan, "Studying Growth Kinetics of Chlorella Vulgaris, a Microalgae with High Lipid Content, to Produce Biodiesel in Local Condition", International Conference on Petroleum Engineering 2016 (ICPE-2016), Dhaka-1000, Bangladesh, 31 December 2016, Article No. 051.

Research and Scientific Reports

- 1. Farid Ahmad and Maeen Md. Khairul Akter (2018), "How Innovative is our Textile Industry? Research Review", Textile Focus, Volume 03, Issue 02, March-April 2018, Pages 10-15, ISSN 2519-5956.
- 2. Farid Ahmad and Maeen Md. Khairul Akter (2018), "Technology Transfer Mechanism for Textile Industry (Part-I)", Textile Focus, Volume 03, Issue 04, August-September 2018, ISSN 2519-5956.
- 3. Farid Ahmad and Maeen Md. Khairul Akter (2018), "Technology Transfer Mechanism for Textile Industry (Part-II)", Textile Focus, Volume 02, Issue 05, October-November 2018, ISSN 2519-5956.

National Newspaper Articles

- 1. Farid Ahmad, "Universities need more allocation and attachment for research activities", The Daily Sun, Dhaka, Thursday, July 25, 2019.
- 2. Farid Ahmad, "Protection of intellectual property in sports tech can be a game-changer", The Daily Star, Dhaka, Friday, April 26, 2019.
- 3. Farid Ahmad, 'Standard of our education system' The New Nation Magazine, Dhaka, Friday, December 24,1999.
- Farid Ahmad, 'Of friends and friendship' The New Nation Magazine, Dhaka, Friday, December 10, 1999.
- 5. Farid Ahmad, 'Of people and politics' The New Nation Magazine, Dhaka, Friday, November 26, 1999.
- 6. Farid Ahmad, 'Marriage and its sequences' The New Nation Magazine, Dhaka, Friday, October 08, 1999.
- 7. Farid Ahmad, 'Joint family gradually disintegrating' The New Nation Magazine, Dhaka, Friday, July 30, 1999.
- 8. Farid Ahmad, 'BUET under crisis: Some lateral thinking' The New Nation Campus, Dhaka, Monday, June 14, 1999.
- 9. Farid Ahmad, 'Women's emancipation' The New Nation Magazine, Dhaka, Friday, May 21, 1999
- Farid Ahmad, 'Unfair means in exams' The New Nation Magazine, Dhaka, Friday, March 19, 1999.
- 11. Farid Ahmad, 'Want of morality' The New Nation Magazine, Dhaka, Friday, March 12, 1999.
- 12. Farid Ahmad, 'Hortal: An outrage committed by the opposition' The New Nation Magazine, Dhaka, Friday, February 19, 1999.
- 13. Farid Ahmad, 'English: Achilles' Heel of our education' The New Nation Magazine, Dhaka, Friday, February 12, 1999.
- 14. Farid Ahmad, 'How time flies' The New Nation Magazine, Dhaka, Friday, January 29, 1999.
- 15. Farid Ahmad, 'Marriage-a solemn episode in one's life' The New Nation, Dhaka, Friday, January 1, 1999.
- 16. Farid Ahmad, 'Making computers meaningful' The New Nation Magazine, Dhaka, Friday, December 25, 1999.
- 17. Farid Ahmad, 'Rickshaws: Silent enemy of city life' The New Nation Magazine, Dhaka, Friday, December 04, 1998.
- 18. Farid Ahmad, '**Keep your city clean and green**' The New Nation Magazine, Dhaka, Sunday, November 15, 1998.
- 19. Farid Ahmad, 'Bangla Chhabi: A typical entertainment' The New Nation Magazine, Dhaka, Sunday, November 01, 1998.
- 20. Farid Ahmad, 'The deprived children: Some empirical instances' The New Nation Magazine, Dhaka, Sunday, September 20, 1998.
- 21. Farid Ahmad, 'Fundamentalism hence Communalism' The New Nation Magazine, Dhaka, Sunday, August 30, 1998.
- 22. Farid Ahmad, 'Syatta sonata dharma Islam' The New Nation Magazine, Dhaka, Sunday, August 02, 1998.
- 23. Farid Ahmad, 'Measures to prevent dowry' The New Nation Magazine, Dhaka, Sunday, July 05, 1998.
- 24. Farid Ahmad, '**Unfair means in exams**' Dhaka Courier, Dhaka, Volume 14 Issue 46, June 12, 1998
- 25. Farid Ahmad, '**Sudden increase of rape**' Dhaka Courier, Dhaka, Volume 14 Issue 42, May 15, 1998
- 26. Farid Ahmad, 'Literacy' Rising Stars, The Daily Star, Dhaka, Thursday, October 30, 1997.

Research Supervision

MSc Theses Supervisor:

Nesar Uddin Ahamed Nayeem (2015-2017), Md.Ahsan Uddin Murad (2017-2019), Maeen Mohammad Khairul Akter (2017-2019), Hasan Al Bashar Abul Ulayee (2018-present), Moshrur Raihan Sujon (2017-present), Saifun Nabi Shabuj (2018-present), Farhan kabir Shifat (2017-present), Farhad Hossain (2017-present), Atique Shariar (2017-present), Tanjil Ahmed (2018-present), Abul Hasanat (2018-present), Selim Reza (2019-present)

MSc Theses Panel Member:

Md Abu Sayid Mia (2015), Nahee Ibna Zahid Zew (2015), Ali Ahsan (2016), Ariful Islam (2019), Shahed Mohammad Kazi Shayemur Rahman (2019), Sarnav Talukder (2019), Al Mizan (2019)

Teaching Experience

2015-2018 Technology Transfer and Diffusion Techniques (Masters Course)

Concepts of transfer of technology (TT); advanced diffusion techniques, proactive diffusion methods and enforced diffusion methods; international transfer of technology through different mechanisms: purchase of plant, equipment and products, foreign direct investment, joint ventures, technical collaboration, subcontracting, turnkey contracts, production sharing, management contracts, international joint ventures, subcontracting including original equipment manufacturer arrangements, licensing including technical service agreements and franchising; company acquisition; strategic alliance; nature of technology market; negotiation for technology acquisition; valuation of technology; intellectual property protection and its role in international transfer of technology; pattern and criticism of TT, suitable environment for international transfer of technology; success factors of international transfer of technology

2015-2018 Technology Assessment (Masters Course)

Principles of technology assessment (TA); types of industrial technology assessment; contemporary problems of technology; some precautions of technology assessment; technology assessment models; technology assessment concepts; various types of assessment; characteristics of TA; role of TA in developing countries; the process of TA; overall assessment and follow-up plan; tools and techniques of TA; general intuitive methods; important component methods; structural decomposition methods; holistic composition methods; methodological options for TA.

2017-2019 R & D and innovation Management (Masters Course)

Basic concepts of R&D and R&D management; process of R&D management; organizing R&D, managing human resources for R&D; types of innovation; innovation and product lifecycle; innovation financing and risk management; commercialization of new product; intellectual property rights (IPR) for new products; different methods of IPR: patents; trademarks; copyrights.

Talks

- 09/2019 "Prospects of 3D Printing Business in Bangladesh", 3D Printing Revolution in Light Engineering Sector (LES), Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Entrepreneurship Development for 3D Printing related Business in Bangladesh", 3D Printing Revolution in Light Engineering Sector (LES), Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Technological Innovation Imperatives and Management for Bangladesh Light Engineering Industries Globalization", Workshop on Conversion of Light Engineering Industries of Bangladesh into Globalized Enterprise through Technology Breakthrough and Innovation Promotion, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Importance of Research and Development (R&D) for Technological Breakthrough", Workshop on Conversion of Light Engineering Industries of Bangladesh into Globalized Enterprise through Technology Breakthrough and Innovation Promotion, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Light Engineering Business Ecosystem in Bangladesh", Workshop on Conversion of Light Engineering Industries of Bangladesh into Globalized Enterprise through Technology Breakthrough and Innovation Promotion, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)

- 09/2019 "Mapping a Business Model for Light Engineering Sector of Bangladesh", Workshop on Development of Competitive Business Plan with Modern Technologies in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Organization of a Business Plan for Light Engineering Industries of Bangladesh", Workshop on Development of Competitive Business Plan with Modern Technologies in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Integration of Modern Technologies in Conventional Light Engineering Sector of Bangladesh", Workshop on Development of Competitive Business Plan with Modern Technologies in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Perspective and Contribution of Light Engineering Sector to the national Economy", Workshop on Re-engineering & Up-gradation of Machinery for Product Diversification and Enhancement of Export Potency in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Products and Raw Materials Profile of Light Engineering Industries", Workshop on Re-engineering & Up-gradation of Machinery for Product Diversification and Enhancement of Export Potency in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 09/2019 "Appropriate Technologies for Light Engineering Industries of Bangladesh", Workshop on Re-engineering & Up-gradation of Machinery for Product Diversification and Enhancement of Export Potency in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 08/2018 "Management of Technological Innovation for Global Competition", Workshop on Conversion of Light Engineering Industries of Bangladesh into Globalized Enterprise through Technology Breakthrough and Innovation Promotion, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 07/2018 "Business Plan: Simple is the BEST!", Workshop on Development of Competitive Business Plan with Modern Technologies in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)
- 06/2018 "Selection of Appropriate Technology for Light Engineering Sector", Workshop on Re-engineering & Up-gradation of Machinery for Product Diversification and Enhancement of Export Potency in Light Engineering Sector, Institute of Appropriate Technology, Bangladesh University of Engineering and Technology (BUET)

Departmental Activities

- 2017-Present Member, Intellectual Property Steering Committee (IPSC), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
 - 2015-2018 Proponent and Member, UGC HEQEP Project (BDT 20,000,000/-) entitled: 'Establishment of Technology Transfer Office (TTO)', Institute of Appropriate Technology (IAT), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
 - 2016-2018 Member, Self-Assessment Committee (SAC) of Institute of Appropriate Technology (IAT), UGC HEQEP Project entitled: 'Institutional Quality Assurance Cell', Institute of Appropriate Technology (IAT), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
- 2015-Present Member, Research and Academic Committee (RAC), Institute of Appropriate Technology (IAT), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
 - 2015-2018 BIIS Secretary, Institute of Appropriate Technology (IAT), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
 - 2015-2016 BIIS Tabulator, Institute of Appropriate Technology (IAT), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh, 2015-2016
 - 2014-2015 Member Secretary, 'The Recommendation Committee of Nitimala2015–Rules for recruitment/promotion/up-gradation/selection grade/senior grade etc. for about 1800 administrative officers and stass of Bangladesh University of Engineering and Technology (BUET)

Others Activities

1997-2000 Worked as a correspondent and contributing writer at The New Nation, Ittefaq Group of Publications Ltd, Dhaka, Bangladesh

2018 Authored a book on Liberation War of Bangladesh, titled 'Alokh Juddha', Bangladesh

2013-Present participate regularly in different international writing competitions such as Short Story Writing Competition organized by Common Wealth Foundation, UK, Radio Playwriting Competition organized by BBC World Service & British Council and Flash Fiction Competition organized by Cesar Egido Serrano Foundation and the Museum of the Word, Spain

2017-2018 Selected as the Ambassador of the Word and the Spanish language in the world from Bangladesh, Cesar Egido Serrano Foundation and the Museum of the Word, Spain

1997-Present Contribute regularly to Bangladeshi mainstream newspapers and literary & Scientific Magazines

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