

CURRICULUM VITAE

MOHAMMAD IMAM HASAN REZA, PhD

Position: Rector (August 2018 – till date)

Presidency Education, Chittagong, Bangladesh. Tel: +8802333336545
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Director & Principal Fellow (January 2021 – till date)

Centre for Environment and Sustainability, Chittagong, Bangladesh. Tel: +880241356145
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Associate Editor: Frontiers in Forests and Global Change
(<https://myfrontiers.frontiersin.org/dashboard>)

Guest Associate Editor: Frontiers in Ecology & Evolution; Frontiers in Environmental Science (<https://loop.frontiersin.org/people/183503/overview>)

ResearchGate: https://www.researchgate.net/profile/Mohammad_Reza?ev=hdr_xprf
LinkedIn: www.linkedin.com/profile/view?id=74751183&trk=nav_responsive_tab_profile_pic
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BRIEF STATEMENT

I am an academic leader, sustainability researcher, and Rector of Presidency International School, Chattogram. I hold a PhD from Universiti Kebangsaan Malaysia and was a Visiting Scholar at the Massachusetts Institute of Technology (MIT), USA. My professional work focuses on sustainability, climate resilience, and education for sustainable development. With extensive experience in academic leadership, research, and international collaboration, I am committed to advancing learner-centred education, institutional excellence, and global engagement.

PERSONAL

DATE OF BIRTH : January 01, 1971
NATIONALITY : Bangladeshi
GENDER : Male

EDUCATION

2012 Universiti Kebangsaan Malaysia
Doctor of Philosophy, (Landscape Ecology & Conservation Planning)
1992 University of Chittagong, Bangladesh
Master of Science in Botany, 1st Class (Second Position)
1991 University of Chittagong, Bangladesh
Bachelor of Science in Botany (Honours), 2nd Class
1988 Chittagong College, Chittagong, Bangladesh
Higher Secondary Certificate (HSC) in Science Group, 1st Division
1986 Feni Government Pilot High school, Feni, Bangladesh
Secondary School Certificate (SSC) in Science Group, 1st Division

- The degree of Master of Science in Botany comprised of both taught courses and thesis. The thesis was in the area of Molecular Biology.
- Ph.D. Research Title: "Ecological Integrity of Wildlife Protected Areas in the State of Selangor, Peninsular Malaysia".

PROFESIONAL EXPERIENCE

- August 2018 - till date Rector
Presidency Education, Chittagong, Bangladesh.
Key Responsibilities: Working on Policies and Strategies of academics of all academic institutions at Secondary and Higher Education level to coup with the International Standard. Monitoring, evaluating and guidelines for academic excellence.
- August 2018 –
June 2020 Academic Consultant
Presidency International School, Chittagong, Bangladesh.
Key Responsibilities: Working on Policies and Strategies of O & A level academics to cope with the Cambridge International Examination, Working on developing a strong academic basis and profile to establish an institution for a holistic academic system of international standard.
- January 2018 –
December 2020 Associate Fellow
Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia.
Key Responsibilities: Post-Graduate Research supervision (Ph.D. & Masters); writing and providing guidelines for publishing peer-reviewed articles in internationally reputed journals.
- September 2017- May
2018 Visiting Scholar, Department of Urban Studies and Planning, Massachusetts Institute of Technology
Key Responsibilities: Conducting a research project on Sustainable Water Resources Management at the river basin level, presenting a Seminar @ DUSP, MIT, developing a 'Teaching Video', a 'Working Paper' and a 'Peer Reviewed Article' on the research findings of the project.
- November 2012-
October 2017 Senior Lecturer & Fellow
Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia.
Key Responsibilities: Post-graduate Research supervision (Ph.D. & Masters); Research Projects management & Collaboration (intra & inter Universities at home and abroad); Training programme and workshop; Arranging dialogue programmes among scientists, practitioners and policymakers; Community Services
- July-November, 2012 Post-Doctoral Research Fellow
Southeast Asia Disaster Prevention Research Institute, Universiti Kebangsaan Malaysia.
Key Responsibilities: Conducting Research; Training programme; Academic and research program management
- May 24, 2006 – June
2012 Assistant Professor of Botany, Faculty of Biological Sciences, University of Chittagong, Chittagong 4331, Bangladesh.
Key Responsibilities: Conducting courses in Undergraduate and Post-Graduate Level; Research: Pollen Technology, Aero-biology; Educational Management, Evaluation, Conducting Examinations; Training, Research Excursions
- August 2009-
December 2011 Research Assistant in the Research Project entitled “Ecological connectivity of wildlife protected areas in Peninsular Malaysia for conservation prioritization”.

- February 2008-June 2009 Research Assistant in the Research Project entitled “Landscape ecological assessment of protected areas in Peninsular Malaysia for sustainable management planning”.
- April 2005 – May 23, 2006 Lecturer in Botany, Faculty of Biological Sciences, University of Chittagong, Chittagong 4331, Bangladesh.
Key Responsibilities: Conducting courses at Undergraduate and Post-Graduate Levels; Research: Pollen Technology, Molecular Technique; Educational Management; Training, Research Excursions
- January 1999 – April 2005 Lecturer in Botany, National University of Bangladesh.
I had worked at two University Colleges and my position was under the Education Cadre of Bangladesh Civil Service.
Key Responsibilities: Conducting courses at Undergraduate and Post-Graduate Levels; Research: Ecology, Lower Plant Groups, Limnology; Educational Management, Evaluation, Conducting Examinations, Civil Services; Training, Research Excursions
- September 1997- January 1999 Founder and Academic Coordinator of Presidency International School. During this time I was designed the curriculum, academic organogram and details on the academic operations based on the Cambridge International School standard.

TRAINING

- July 18 – 21, 2017 Topic covered: Multi-Hazards Analyses; Learning from 2011 Great East Japan Earthquake and Tsunami; DRR; organized by the APRU & IRIDeS, Tohoku University, Sendai, Japan.
- July 3 – 14 2009 Attended and completed International Summer School on “Bridging GIS, Landscape Ecology and Remote Sensing for Landscape Planning” organized by the Centre for Geoinformatics, University of Salzburg, Austria. Earned 4 ECTS (European Credit Transfer System) points.
- October 2000 – January 2001 Attended and completed Foundation Training Course at National Academy for Educational Management (NAEM) under the Ministry of Education, Dhaka, Bangladesh.
- October 2000 – January 2001 Attended and completed Educational Research Methodology Course at National Academy for Educational Management (NAEM) under the Ministry of Education, Dhaka, Bangladesh.

RESEARCH PROJECTS

Role	Description	Duration
Project Leader	An Integrated System Approach for Long-term Flood Disaster Management in Pahang River Basin. GUP Fund [GUP-2016-025]	2016 - 2018
Co-Researcher	Disaster Resilient Cities: Forecasting Local Level Climate Extremes and Physical Hazards for Kuala Lumpur. The Newton-Ungku Omar Fund [XX-2017-002]	2017 - 2019
Group Leader, Malaysia	Fostering Climate Resilience through Entertaining Games, Stage Two Grants for Problem and Solution Statement. Global Resilience Partnership (USAID, Rockefeller Foundation & SIDA)	2015 - 2016
Project Leader	Ecological Integrity Approach for Regional Sustainable Management of Natural Resources. DLP-2014-015, University Research Grant (URG), UKM	2014 - 2016
Project Leader	Estimation of Flood Disaster Damage and Losses in the Area of Kajang, Selangor, Malaysia. START, USA	2015 - 2016
Co-Researcher & Coordinator	Integrated Water Resources Management Approach for Supporting Integrated Flood Disaster Management Decisions. TRGS Program, Ministry of Education (MoE), Malaysia	2015 - 2016
Co-Researcher	Integrated River Basin Management approach to support flood disaster strategies for the Pahang River Basin. FRGS, MoE, Malaysia	2015 - 2016
Group Leader, Malaysia	Politics, governance, experiences and responses to flooding from the locals' and migrants': perspectives in ASEAN, Rockefeller Foundation, USA. RD-013-002	2013 - 2014
Group Member	Strengthening Capacity for Policy Research on Mainstreaming Adaptation. XX-03-2009	2009 - 2014
Group Member	Disaster Prevention in Changing Situation Through Correlating Science and Management (<i>Research Development Fund- Climate Change & Adaptation Research Group</i>). DPP-2013-078	2013 - 2014
Group Member	Adaptation Roadmap for Malaysia. XX-07-2011	2012 - 2015
Researcher	Vulnerability and Adaptation to Cascading Hazard, Ministry of Higher Education	2012 - 2013

SCHOLARSHIP & AWARD

1. **Visiting Scholar:** Massachusetts Institute of Technology (MIT)'s Malaysia Sustainable City Program, September 2017- May 2018
2. **Associate Editor:** Frontiers in Forests and Global Change, 2025
3. **Gold Medal:** 28th International Invention, Innovation & Technology Exhibition 2017, Ministry of Science, Technology and Innovation, Malaysia.
4. **Guest Associate Editor:** Frontiers in Ecology and Evolution, Conservation, Dec 2017.
5. **Editorial Board Member:** Frontiers in Environmental Science, Dec 2016.
6. **Global Resilience Partnership (USAID, Rockefeller Foundation & SIDA):** Fostering Climate Resilience through Entertaining Games, Stage Two Grants for Problem and Solution Statement. April 2015.
7. **START, USA:** Estimation of Flood Disaster Damage and Losses in the Area of Kajang, Selangor, Malaysia, January 2015.
8. **Rockefeller Foundation:** Politics, governance, experiences and responses to flooding from the locals' and migrants': perspectives in ASEAN, March 2013.
9. **Commonwealth Scholarship** for PhD study. The duration of the scholarship was for 3 years from July 2009 to June 2012.

PUBLICATIONS

Peer Reviewed Journal Article (Selected)

1. **Reza, M.I.H.**, Uddin, S.M.B., & Hossain, M.A. 2025. Recreational forests for co-benefits: conservation, tourism and well-being. *Frontiers in Forests and Global Change* (In review)
2. **Reza, M.I.H.**, Rafaai, N. H. & Abdullah, S.A. 2022. Application of graph-based indices to map and develop a connectivity importance index for large mammal conservation in a tropical region: A case study in Selangor State, Peninsular Malaysia. *Ecological Indicators* 140: 109008
3. Haque, M.Z., **Reza, M.I.H.**, Abd Rahim, S. & Maulud, K.N.A. 2022. Assessing the effectiveness of hydromulching as a rapid soil erosion control measure: a study in Langat Sub Basin, Peninsular Malaysia. *International Journal of Conservation Science* 13 (2): 679-694
4. Afsar, N. & **Reza, M.I.H.** 2022. Sustainability movements, corporate green disclosure and financial performance. *International Journal of Ecology and Development* 37(2): 18-41
5. Moniruzzaman, M., **Reza, M.I.H.**, & Khatun, R. 2021. Agriculture Practice and Food Supply in Malaysia for last 50 years. *Preprints 2021, 2021090378* doi: [10.20944/preprints202109.0378.v1](https://doi.org/10.20944/preprints202109.0378.v1)
6. Rafaai, N.H., Abdullah, S.A. & **Reza, M.I.H.** 2020. Identifying factors and predicting the future land-use change of protected area in the agricultural landscape of Malaysian peninsula for conservation planning. *Remote Sensing Applications: Society and Environment* Vol:18, doi.org/10.1016/j.rsase.2020.100298
7. Mazlan, N-F., Tan, L.L., **Reza, M.I.H.**, Ta, G.C., Abd Karim, N.H. & Heng, L.Y. 2020. Managing Dengue Disaster: Uncovering Paramount Community Elements for DNA Sensory Tool Accessibility in Malaysia. *Sains Malaysiana* 49 (4): 743-754
8. Muhamad, N., Lim, C.S., **Reza, M.I.H.** & Pereira, J.J. 2019. The Needs of Disaster Susceptibility Map as an Input in Land Use Management: A Case Study of Universiti Kebangsaan Malaysia. *Sains Malaysiana* 48 (1): 33-43
9. **Reza, M.I.H.**, Abdullah, S.A., Nor, S.M., & Ismail, M.H. 2018. Landscape Pattern and Connectivity Importance of Protected Areas in Kuala Lumpur Conurbation for Sustainable Urban Planning. *International Journal of Conservation Science* 9 (2): 361-372
10. Bhuiyan, T.R., **Reza, M.I.H.**, Choy, E.A. & Pereira, J.J. 2018. Direct Impact of Flash Floods in Kuala Lumpur City: Secondary data-based analysis. *ASM Science Journal* 11 (3): 145-157
11. Isahak, A., **Reza, M.I.H.**, Siwar, C., Ismail, S.M., Sulaiman, N., Hanafi, Z., Zainuddin, M.S. & Taha, M.R. 2018. Delineating risk zones and evaluation of shelter centres for flood disaster management along the Pahang River Basin, Malaysia. *Journal of Disaster Risk Studies* 10 (1), doi: 10.4102/jamba.v10i1.501
12. Khatun, R., **Reza, M. I. H.**, Moniruzzaman, M. & Yaakob, Z. 2017. Sustainable oil palm industry: The possibilities. *Renewable and Sustainable Energy Reviews*, 76, 608-619. doi: 10.1016/j.rser.2017.03.077
13. Haque, M.Z. & **Reza, M.I.H.** 2017. Salinity Intrusion Affecting the Ecological Integrity of Sundarbans Mangrove Forests, Bangladesh. *International Journal of Conservation Science* 8 (1): 131-144
14. Shathy, S.T., **Reza, M.I.H.** 2016. Sustainable cities: A proposed Environmental Integrity Index (EII) for decision making. *Frontiers in Environmental Science* 4:82, doi: 10.3389/fenvs.2016.00082
15. Nagulendran, K., Padfield, R., Aziz, S....**Reza, M.I.H.**....et al. 2016. A multi-stakeholder strategy to identify conservation priorities in Peninsular Malaysia. *Cogent Environmental Science* 2: 1254078 doi: 10.1080/23311843.2016.1254078

16. **Reza, M.I.H.** 2016. Southeast Asian Landscapes are Facing Rapid Transition: A Study in the State of Selangor, Peninsular Malaysia. *Bulletin of Science, Technology and Society*, doi: 10.1177/0270467616668075
17. **Reza, M.I.H.** 2016. Sustainability in Higher Education: Perspectives of Malaysian Higher Education System. *SAGE Open*, doi: 10.1177/2158244016665890
18. **Reza, M.I.H.** & Abdullah, S.A. 2016. Developing ecosystem maps using eco-soil-geological information for the sustainable management of natural resources. *Open Journal of Ecology*, 6, 343-357
19. Haque, M.Z., **Reza, M.I.H.**, Alam, M.M. Ahmed, Z.U., Islam, M.W. 2016. Discovery of A Potential site for Community-based Sustainable Ecotourism in the Sundarbans Reserve Forests, Bangladesh. *International Journal of Conservation Science*, 7(2), 553-566
20. Haque, M.Z., **Reza, M.I.H.**, Sahibin Abd Rahim, Md Pauzi Abdullah, Rahmah Elfithri, Mazlin Bin Mokhtar, 2015. Behavioral Change due to Climate Change Effects Accelerate Tiger Human Conflicts: A Study on Sundarbans Mangrove Forests, Bangladesh, *International Journal of Conservation Science*, 6(4): 669-684
21. **Reza, M.I.H.** 2014. Measuring forest fragmentation in the protected area system of a rapidly developing Southeast Asian tropical region. *Science Postprint* 1(1): e00030. Doi: 10.14340/spp.2014.09A0001
22. **Reza, M.I.H.** 2014. Importance and considerations to develop a composite index of ecological integrity for ecological management. *International Journal of Ecology and Development* 28(2): 32-48
23. Pereira, J.J., **Reza, M.I.H.**, Hunt, J. 2014, Climate Science and Technology for Disaster Prevention, *ASM Science Journal*, 8(1): 83-85
24. **Reza, M.I.H.**, Abdullah, S.A., Nor, S.M. & Ismail, M.H. 2013. Integrating GIS and expert judgment in a multi-criteria analysis to map and develop a habitat suitability index: A case study of large mammals on the Malayan peninsula. *Ecological Indicators* 34: 149-158. doi:101016/j.ecolind.2013.04.023
25. **Reza, M.I.H.** & Alatas, S.M. 2013. A decision support system to deal with contemporary issues of climate change induced vulnerability and human security in Malaysia. *Asian Journal of Environment and Disaster Management (AJEDM)* 5(3): 277-288
26. Muhamad, N., Lim, C.S., **Reza, M.I.H.** & Pereira, J.J. 2013. Geological input for decision support system to manage the risk of disasters: A case study of Universiti Kebangsaan Malaysia. *Bulletin of the Geological Society of Malaysia* 59: 73-84
27. Akter, N., Radiman, S., Mohamed, F. Rahman, I.A. & **Reza, M.I.H.** 2013. Self-assembled potential bio-nanocarriers for drug delivery. *Mini Review in Medicinal Chemistry* 13(9): 1327-1339
28. **Reza, M.I.H.** & Abdullah, S.A. 2011. Regional Index of Ecological Integrity: A need for sustainable management of natural resources. *Ecological Indicators*, 11: 220-229. doi:10.1016/j.ecolind.2010.08.010
29. Akter, N., Radiman, S., Mohamed, F. Rahman, I.A. & **Reza, M.I.H.** 2011. Ternary phase behaviour and vesicle formation of a sodium N-lauroylsarcosinate hydrate/1-decanol/water system. *Scientific Reports* 1, 71; DOI:10.1038/srep00071 (2011)
30. **Reza, M.I.H.** & Abdullah, S.A. 2010. Ecological connectivity framework in the state of Selangor, Peninsular Malaysia: A potential conservation strategy in the rapid changing tropics. *Journal of Ecology and Natural Environment*, 2(5): 73-83

31. **Reza, M.I.H.**, Chowdhury, A.Q. & Pasha, M.K. 2005. Characterization of Proteins of Brown, Bran and Endosperm of Raw and Parboiled Rice. *Research Journal of Agriculture and Biological Sciences*, 1 (2): 184-189
32. **Reza, M.I.H.**, Chowdhury, A.Q. & Pasha, M.K. 2003. Characterization of Storage Proteins in Different Layers of Raw and Parboiled Rice. *Bangladesh Journal of Life Sciences*, 15 (2): 137-142
33. **Reza, M.I.H.**, Chowdhury, A.Q. & Pasha, M.K. 1999. Electrophoretic Analysis of Proteins in Washed, Gruel and Cooked Endosperm of Raw and Parboiled Rice. *Bangladesh Journal of Botany*, 28 (1): 1-7

Books

34. Abdullah, S.A., Yusof, A.M.M. & **Reza, M.I.H.** 2018. Changing Landscape and sustainability of wildlife protected areas in Peninsular Malaysia. Universiti Kebangsaan Malaysia Press: Bangi, Malaysia. Pp 104. ISBN: 9789674126124

Teaching Video

35. **Reza, M.I.H.** 2018. A research based Teaching Video on Sustainable Water Management entitled "Keep Our Rivers Clean" published by the Science Impact Collaborative, Massachusetts Institute of Technology. See <https://vimeo.com/277105881>

Working Paper

36. **Reza, M.I.H.** 2018. Sustainable Water Management at Community Level: A Case of Pahang, Peninsular Malaysia. Department of Urban Studies and Planning, Massachusetts Institute of Technology.

Edited Book Chapter

37. **Reza, M.I.H.** 2018. Sustainability in Malaysian Research Universities' Curricula and Their Effectiveness. Book Chapter, In: Michelle Y. Merrill, Youngho Chang, Md Saidul Islam, Patricia Burkhardt-Holm, and Chew-Hung Chang (Eds.), *Education and Sustainability: Paradigms, Policies and Practices in Asia*. **EarthScan, Routledge, Taylor & Francis Group**. https://www.bookdepository.com/Education-and-Sustainability-Michelle-Y-Merrill-Youngho-Chang-MD-Saidul-Islam-Patrici-Burkhardt-Holm-Chew-Hung-Chang/9781138681415?ref=bd_ser_1_1
38. **Reza, M.I.H.**, Choy, E.A. & Pereira, J.J. 2018. Vulnerabilities of the Locals and Migrants due to Flooding in Malaysia: A Case for Identifying Gaps for Better Management. Accepted as a book chapter In: Middleton, C., Elmhirst, R. & Chantavanich, S. (Eds.), *Living With Floods in a Mobile Southeast Asia: A Political Ecology of Vulnerability, Migration and Environmental Change*. **Routledge, Taylor & Francis Group**. <https://www.amazon.co.uk/Living-Floods-Mobile-Southeast-Asia/dp/1138793248>
39. Bhuiyan, T.R., **Reza, M.I.H.**, Choy, E.A. & Pereira, J.J. 2018. Facts and Trends of Urban Exposure to Flash Flood: A Case of Kuala Lumpur City. In: *Improving Flood Management, Prediction and Monitoring; Community, Environment and Disaster Risk Management (CEDRM)*, Book Series, Vol. 20.
40. **Reza, M.I.H.**, Heng, L.Y., Ling Ling, T. & Pereira, J.J. 2018. Kelestarian Dalam Pengurangan Risiko Bencana: Merealisasi Satu Pemikiran Melalui Penyelidikan dan Pendidikan. In: Buku LESTARI 20 Tahun. (In Malay language)

41. Heng, L.Y., Zainuddin, M.S., Abdullah, N.F., **Reza, M.I.H.**, Choy, E.A., Elfithri, R., Siwar, C., Ezzat, S. & Ashikin, N. 2018. Sistem Sokongan Keputusan (DSS) untuk Pengurusan Risiko Bencana Banjir di Pahang. In: Chamhuri Siwar, Sharifa Ezat Wan Puteh, Nor Diana Mohd Idris, Nurul Ashikin Alias (Eds.), *Kajian Banjir Pahang 2014: Pendekatan dan Impak Terhadap Sosioekonomi, Kesihatan dan Alam Sekitar*, Universiti Kebangsaan Malaysia Press, UKM, Bangi, Malaysia. (In Malay language)
42. **Reza, M.I.H.**, Siwar, C., Idris, N.D.M., Puteh, S.E.W., Abdullah, M.P., Elfithri, R., Heng, L.Y., Isahak, A., Taha, M.R. 2018. Kerangka Konsep: Risiko Bencana Banjir di Pahang. In: C. Siwar, S.E.W. Puteh, N.D.M. Idris, N.A. Alias (Eds.), *Kajian Banjir Pahang 2014: Pendekatan dan Impak Terhadap Sosioekonomi, Kesihatan dan Alam Sekitar*, Universiti Kebangsaan Malaysia Press, UKM, Bangi, Malaysia. (In Malay language)

Articles in review process

43. Nimisha, K, **Reza, M.I.H.** 2025. Assessing the ecological integrity of an ecologically sensitive zone, Tasik Chini, Malaysia. Under review @*Tropical Ecology*.
44. Afsar, N., **Reza, M.I.H.**, Sarkar, M.S.K., Rahman, M., Uddin, J., Nasrullah, A.M. 2025. Sustainability and Unsustainable Consumption: Issues and Challenges. Under review @*International Journal of Sustainable Development*.
45. Moniruzzaman, M., **Reza, M.I.H.**, Khatun, R. 2025. Agriculture Practice and Food Supply in Malaysia for last 50 years.

International Conference & Proceedings (selected)

46. Mohammad Imam Hasan Reza, Uzzal Kanti Barua, Sayed Mohammed Nurul Kabir, & E.U.M. Intekhab, 2025. Innovative Sustainable Campus Initiative is Important to Change the Students' Mindset and Culture towards Sustainability. Vol. 1 No. 3 (2025): *Proceeding of the 3rd Global Conference on Innovations in Education*, 20-22 July, 2025, Singapore.
47. Md Firoz Ahmed, Sayed Mohammed Nurul Kabir, Mohammad Imam Hasan Reza, 2025. Innovating Active Learning in Resource-Constrained Classrooms: A Bangladeshi Experience. Vol. 1 No. 3 (2025): *Proceeding of the 3rd Global Conference on Innovations in Education*, 20-22 July, 2025, Singapore.
48. Sayed Mohammed Nurul Kabir, Nandan Mitra, Mohammad Imam Hasan Reza, 2025. Cultivating a Culture of Continuous Improvement: The Impact of Teacher Learning Communities on Classroom Practice in Developing Contexts. Vol. 1 No. 3 (2025): *Proceeding of the 3rd Global Conference on Innovations in Education*, 20-22 July, 2025, Singapore.
49. **Mohammad Imam Hasan Reza** and Mohd Raihan Taha, 2016. Evaluating Education for Sustainable Development in Malaysia: Experiences from the Universiti Kebangsaan Malaysia. Article presented in the International Conference on "A Community of Practice for More Effective Implementation of Higher Education for Sustainability in Asia", held on 21-22 April, 2016 at Nanyang Technological University, Singapore.
50. Shagufta Tazin Shathy, **Mohammad Imam Hasan Reza**, 2016. Measuring fragmentation index of urban landscape: A case study on Kuala Lumpur City, In: Proceedings of the "18th International Conference on Ecosystems, Environment and Sustainable Development" held in Melbourne, Australia, on February 4-5, 2016, pp 377-380.
51. Shagufta Tazin Shathy, **Mohammad Imam Hasan Reza**, 2016. Regional Index of Environmental Integrity: A Case Study of Four Major Cities in Asia, In: Proceedings of The 13th International Asian Urbanization Conference, 1, 1, pp. 480-487
52. Nurfashareena Muhamad, Choun-Sian Lim, **Reza, M.I.H.** & Joy Jacqueline Pereira, 2015 Urban Hazards Management: A Case Study of Langat River Basin, Peninsular Malaysia. In: *Proceedings of the International Conference on Space Science and Communication (IconSpace)*, 10-12 August 2015, Langkawi, Malaysia, pp. 438-443

53. **Reza, M.I.H.** 2015. Effectiveness of sustainability teaching in HEIs: case of Malaysian research universities, In: *International Workshop On- Post-Secondary Education for Sustainability in Asia: Curricula, Case Studies And Community-Building*. Held from 27-28 February, 2015, Nanyang Technological University, Singapore.

Dissertations

1. "Electrophoretic Analysis of Proteins of Brown, Bran, Cooked Endosperm of Raw and Parboiled Rice", 1996, Master's Thesis, Department of Botany, University of Chittagong, Bangladesh, pp 140.
2. "Ecological Integrity of Wildlife Protected Areas in the State of Selangor, Peninsular Malaysia", 2012, Ph.D. Thesis, Institute For Environment and Development (LESTARI), Universiti Kebangsaan Malaysia, pp 247.

Invited/Panel speaker and Oral Presentations (selected)

1. **Panel Speaker:** Speech on- "Environment, Green Economy and Sustainability", In: National Economic Outlook Conference 2016, 6-7 December 2016, Putra World Trade Center, Kuala Lumpur, Malaysia.
2. **Invited Speaker:** Invited speech as an Expert on DRR- Delivered two talk 1: Introduction to Disaster Risk Management and 2: Disaster Risk Reduction and cross cutting issues in the AYVP Philippines 2016 on 3 August 2016 in NISMED, University of the Philippines, Diliman.
3. **Invited Speaker:** Speech on- Effectiveness of sustainability teaching in HEIs: case of Malaysian research universities, In: *International Workshop on- Post-Secondary Education for Sustainability in Asia: Curricula, Case Studies And Community-Building*. Held from 27-28 February, 2016, Nanyang Technological University, Singapore.
4. **Key Note** Speech on "Teaching Sustainability in Secondary Level", in Presidency International School, Chittagong Bangladesh on 18 August 2014.
5. **Session Chair** of a meeting on "Curriculum Development of Science for O and A Level", held and organized by Presidency International School, Chittagong, Bangladesh on 20 August 2014.
6. Presented an article as an **Invited speaker** on "Sustainability in Higher Education: Perspective of Malaysian Higher Education System" in the International Workshop on "Sustainability in Education: Pedagogical Themes and Practices in Asian Countries" organized by Environment and Sustainability Research Cluster, School of Humanities and Social Sciences, Nanyang Technological University, Singapore, 27-28 February, 2014.
7. **Reza, M. I. H.,** Choy, E. A. & Pereira, J. J. 2013. A field based pedagogical approach is needed for understanding sustainability: the context of disaster risk reduction in Malaysia. Article presented as an **Invited Speaker** in the International Conference in Nanyang Technological University, Singapore held from 19-20 April, 2013.

Post-graduate Students Supervision & Thesis Advisors:

Advisor of 3 MSc and 3 PhD Thesis on environmental management, ecosystem ecology, sustainability, and climate change adaptation topics

EXPERTISES AND SKILLS

Following skills and expertise are some of the main strength of my academic and research activities.

1. Geographic Information Science: Competent in using ArcGIS versions includes 9X and 10X,
2. Remote Sensing: Several RS software includes ERDAS Imagine, Object Base Image Analysis Definiens eCognition, ENVI
3. Landscape Ecological Techniques, Ecosystem Services, Ecosystem Modeling, Regional Planning
4. Scholarly Article Writing and Reporting

RESEARCH COLLABORATION & PROFESSIONAL MEMBERSHIP

Followings are my personal research collaborations and linkages:

1. Research Collaboration- Sustainability Research Cluster, **Nanyang Technological University**, Singapore.
2. Member of the **Ecological Society of America**.
3. Holding membership of **The Association for Tropical Biology and Conservation** (since February 2012).
4. Holding membership of the **Association of Pacific Rim Universities** (APRU) network.
5. I have been holding Membership and Research Affiliation with **Bangladesh Botanical Society**, Bangladesh (since 1996).

TEACHING EXPERIENCE

Teaching experience includes several undergraduate and postgraduate courses relating to Botany. Throughout my teaching career I have consistently achieved excellent teaching evaluations from the students. Main topics of the oral courses are listed below:

1. Ecology (Community Ecology, Physiological Ecology, Landscape Ecology, Ecosystem Services and Health, Global Environmental Change & Climate Change)
2. Limnology (Origin and productivity of Lakes and Inland Water)
3. Environmental Hazards (Coastal hazards, Hazard mapping, Disaster Management)
4. GIS & Remote Sensing for Environment and Natural Resources Management
5. Cell & Molecular Biology, Genetics, and Origin of Life (evolution)

Peer-reviewed Journal Referee

I have been contributing regularly as a reviewer of several highly cited peer-reviewed international journals. Some of the peer-reviewed journals are as follows:

1. Frontiers in Forests and Global Change (Frontiers)
2. Frontiers in Plant Science (Frontiers)
3. Frontiers in Ecology and Evolution (Frontiers)
4. Science of the Total Environment (Elsevier)
5. Journal of the Science of Food and Agriculture (Wiley)
6. Journal of Environmental Management (Elsevier)
7. Environmental Science and Policy (Elsevier)
8. GIScience and Remote Sensing (Taylor & Francis)
9. Environmental Monitoring and Assessment (Springer)
10. World Development (Elsevier)
11. International Journal of Disaster Risk Reduction (Elsevier)
12. Environmental Sociology (Routledge)
13. Journal of Sustainability Science and Management
14. International Agrophysics
15. Nature and Culture (Helmholtz Centre for Environmental Research)

RESEARCH MANAGEMENT

- **Facilitator and Organizer:** 4th Asia-Pacific Climate Change Adaptation Forum 2014, held from 1-3 October, 2014 at the Putra World Trade Centre, Kuala Lumpur, Malaysia.
- **Facilitator and Organizer:** Memorandum of Agreement with Universiti Kebangsaan Malaysia and Cambridge Malaysian Education and Development Trust, University of Cambridge; held on 20 November 2013, Pullman Hotel, Putrajaya, Malaysia.
- **Organizer:** The International Conference: Challenges of Extended Mega Urban Regions: The Challenging Face of South East Asia and the World; held from 19-21 November 2013, Pullman Hotel, Putrajaya, Malaysia.
- **Facilitator and Organizer:** SEADPRI-MERCY Community Based Disaster Risk Reduction Programme, 11-14 April 2013, Segamat, Johor Baru, Malaysia.
- **Organizer:** "Workshop on Natural Disasters and Climate Change in Asia", held from 5-7 November 2012 in Hotel Equatorial, Bangi. Workshop co-organizers: SEADPRI-UKM; University of Cambridge; National Security Council, Malaysia; Institute of Climate Change, UKM; Asian University Network; APAN

LANGUAGE SKILLS

Skills	Reading	Writing	Speak
Languages			
Bangla	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Arabic	Good	Moderate	-----
Bahasa Melayu	Excellent	Good	Moderate



[Mohammad Imam Hasan Reza, PhD]