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DATE: 07.28.2023

NAME: Ubydul Haque

PRESENT TITLE: Assistant Professor

TELEPHONE NUMBER/E-MAIL ADDRESS: uhaque@globalhealth.rutgers.edu

CITIZENSHIP: USA

EDUCATION:

A. Undergraduate Graduate and Professional
Khulna University
Khulna, Bangladesh
Bachelor of Urban and Rural Planning, 2004

B. Graduate and Professional
Royal Institute of Technology
Stockholm, Sweden
MSc, Geoinformatics, 2007

C. Graduate and Professional
Nagasaki University
Nagasaki, Japan
Doctor of Philosophy (Global Health), 2012

D. Graduate and Professional
Norwegian University of Life Sciences
Ås, Norway Guest Ph.D. student (Global Health), August 2011 - March 2012

POSTGRADUATE TRAINING:

A. Research Fellowships
Bergen University, Bergen,
Norway Mixed method research, (Summer course) July 2009

B. Research Fellowships
University of Queensland, Brisbane, Australia
Bayesian modeling (Short training) August 2009

C. Research Fellowships
Environmental Systems Research Institute, California, USA
Spatial Statistics (Short training) August 2010

D. Research Fellowships
University of Dundee, Dundee, UK
Epidemiology & Global Health June – July 2011

E. Postdoctoral Appointments
Johns Hopkins University, Baltimore, USA

Epidemiology April 2012 - July 2014

J. Postdoctoral Appointments
National Center for Atmospheric Research, Boulder, Colorado, USA
Spatial Epidemiology September 2016 - June 2017

K. Postdoctoral Appointments

University of Florida, Gainesville, Florida, USA
Global Health August 2014 - August 2016

ACADEMIC APPOINTMENTS:

*Department of Biostatistics and Epidemiology
Rutgers University, (School of Public Health)
Assistant Professor (tenure-track)
January/2023 - present*

*Department of Biostatistics and Epidemiology
University of North Texas Health Science Center, (School of Public Health)
Assistant Professor (tenure-track)
September/2018 - December/2022*

*Department of Public Health & Prevention Sciences
Baldwin Wallace University, (School of Public Health)
Assistant Professor (tenure-track)
August/2017 - August/2018*

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS: (If applicable)

*Department of International Health
Nagasaki University, (School of Tropical Medicine and Global Health)
Visiting Associate Professor August/2018 - Present*

*International Centre for Diarrhoeal Disease Research, Bangladesh
Research Investigator January 2009 - March 2010*

*International Centre for Diarrhoeal Disease Research, Bangladesh
Senior Research Assistant January 2004 - December 2008*

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

*American Public Health Association
Member
2022 – present*

HONORS AND AWARDS:

*Travel award, IGU 2015 regional conference, Moscow, Russia. 2015
Travel award, Targeting Ebola conference, Paris, France. 2015
Travel Award, Tropical Infectious Diseases Gordon Research Seminar, Texas, USA. 2015
Travel Award, ISPRS Foundation, Hyderabad, India. 2014
Johns Hopkins Libraries Open Access Promotion Fund, Johns Hopkins University. 2014
Travel Award, 6th MIM Pan-African Malaria Conference, Durban, South Africa. 2013
NASA Meeting Travel Fellowship, Arlington, Virginia, USA. 2013
Excellence in Peer Review, Acta Tropica. 2012
Post-Doctoral fellowship, A. Ralph and Sylvia E. Barr Fellowship, Johns Hopkins University, USA. 2012
Best paper award, Nagasaki University, Japan. 2011
Yggdrasil fellowship, The Research Council of Norway. 2011
Travel award, Institute of Tropical Medicine, Nagasaki University, Japan. 2011
Summer School, Department of Epidemiology & Global Health University of Dundee, UK. 2011
Best paper award, Nagasaki University, Japan. 2010
Travel award, 20th IUHPE World Conference on Health Promotion Geneva, Switzerland. 2010 Doctoral fellowship, Global Center for Excellence, Nagasaki University, Japan. 2009
Global development challenges, climate change, Bergen University, Norway. 2009
New Researcher Award, ICDDR, B, Dhaka, Bangladesh. 2008*

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

Grant reviews: National / International
 NIH/ NIAID (Vector biology), 2021
 UK Research and Innovation 2020 Marie Curie, 2017
 Welcome Trust (204803/Z/16/Z), 2016

SERVICE ON MAJOR COMMITTEES:

Ad hoc manuscript reviewer:

BMJ Global Health; Tropical Medicine and Infectious Disease; BMJ Open; Journal of Medical Entomology; Nat. Hazards Earth Syst. Sci.; BMC Infectious Diseases; International Journal of Environmental Research and Public Health; Science of the Total Environment; Asian Journal of Environment & Ecology; BMC Medicine; Spatial and Spatio-temporal Epidemiology; Environmental Studies and Sciences; British Journal of Medicine and Medical Research; Journal of Geography, Environment and Earth Science International; Journal of Parasitology and Vector Biology; Journal of Basic and Applied Research International; International Journal of Research in Environmental Studies; Acta Tropica; Int. J. Environ. Res. Public Health; PLoS ONE; Journal of Infection and Public Health; Journal of Clinical and Diagnostic Research; Dove Medical Press; International Journal of Tropical Disease & Health; International Journal of Public and Environmental Health; Environmental Research; Annals of Medical and Health Sciences Research; Malaria Journal; Pan African Medical Journal; Tropical Medicine and International Health; iConcept Medical Diagnosis and Treatment; Geography and Regional Planning; American Journal of Tropical Medicine and Hygiene; EBioMedicine.

SERVICE ON GRADUATE SCHOOL COMMITTEES: SERVICE ON HOSPITAL COMMITTEES:

Epidemiology PhD Admissions Committee, UNT Health Science Center. 2020-2022
 Faculty Search Committee, School of Public Health, UNT Health Science Center. 2020-2021
 Faculty Search Committee, Dept. of Public Health, Baldwin Wallace University. 2017-18
 Epidemiology PhD Admissions Committee, Asian Institute of Technology, Thailand. 2018

SERVICE TO THE COMMUNITY:

National Malaria Control Program Evaluation

- Eritrea, 2016
- Zambia, 2014
- Botswana, 2014
- Bangladesh, 2012

TEACHING RESPONSIBILITIES: (Teaching effectiveness should be addressed in nominating letter)

Instructor, Advance Methods Epidemiology 1, Graduate Course, UNTHSC, 2022-2023
 Instructor, Diseases from Animals to Humans, Graduate Course, UNTHSC, 2019-2022
 Instructor, Survey Research & Questionnaire Design, Graduate Course, UNTHSC, 2020-2022
 Instructor, Advance Methods Epidemiology 2, Graduate Course, UNTHSC, 2018-2020
 Instructor, GIS in Public Health, Graduate Course, School of Public Health, UNTHSC, 2019
 Instructor, GIS Health Analysis, Undergraduate Course, School of Public Health, 2018
 Instructor, Biostatistics, Undergraduate Course, School of Public Health, 2017-2018
 Instructor, Introduction to Public Health, Undergraduate Course, School of Public Health, 2017-2018

STUDENT MENTORSHIP

Name	Year(s)	Degree	Status	Role	Affiliated Institute
Esther Annan	2018-2022	Ph.D.	Completed	Advisor	UNTHSC
Edna P. Mendoza	2021-2025	Ph.D.	Ongoing	Advisor	UNTHSC
Sumaira Zafar	2018-2021	Ph.D.	Completed	Co-advisor	Asian Institute of Technology
Anahí M. Cabrera	2020-2023	Ph.D.	Ongoing	Co-advisor	University of Sonora
Patrick Zamba	2021-2022	M.Sc.	Completed	Advisor	UNTHSC
Madison Smith	2020-2021	M.Sc.	Completed	Advisor	UNTHSC
Kranthi Swaroop	2020-2021	M.Sc.	Completed	Advisor	UNTHSC
Siddikur Rahman	2018-2021	Ph.D.	Completed	Co-advisor	Khon Kaen university
Sushmitha Ananth	2019-2020	M.Sc.	Completed	Advisor	UNTHSC
Nistha Shrestha	2019-2020	M.Sc.	Completed	Advisor	UNTHSC
Caitlynn Reeves	2018-2020	M.Sc.	Completed	Advisor	UNTHSC
Osman Ulvi	2017-2018	M.Sc.	Completed	Advisor	Baldwin Wallace University

Modasser H. Khan	2011-2012	M.Sc.	Completed	Co-advisor	Norwegian University of Life Sciences
Jacob Smith	2017-2018	Undergraduate	Completed	Advisor	Baldwin Wallace University
Caleb Zinn	2017-2018	Undergraduate	Completed	Advisor	Baldwin Wallace University
Nathan Lippincott	2017-2018	Undergraduate	Completed	Advisor	Baldwin Wallace University

GRANT SUPPORT:

A. Principal Investigator

The Research Council of Norway

Title: Effects of climate change and variability on community vulnerability and exposure to dengue in Southeast Asia

Role: PI in US part, Dates: 08.01.2018 - 08.31.2022, \$1.2 million

ICDDR, B Core

Title: The role of deforestation and climate change in the spread of malaria in Bangladesh.

Role: PI, Dates: 01.01.2009 - 12.30.2012 \$73,500

The Research Council of Norway

Title: Modeling of malaria risk using hydrological, topographic, and climatic variables in Bangladesh.

Role: PI, Dates: 08.01.2011 - 04.30.2012 \$30,000

Merck Investigator Studies Program

Title: Addressing Vaccine Hesitancy through Social-Media Data Collection, Machine Learning Algorithm Development, and Targeted Use

Role: PI, 10.01.2023 – 09.30.2024, \$167,000

PEER-REVIEWED PUBLICATIONS

Publication summary and metrics

	First author	Last author	Co-author	Total	Impact factor
The Lancet Global Health	1			1	38.92
The Lancet Infectious Dis		1		1	71.42
Travel Medicine & Inf. Dis.		1		1	20.44
PLoS Medicine			1	1	11.07
Environment International			1	1	13.35
Science of the Total Env.	1	1		2	10.75
Int. J. of Epidemiology		1		1	9.68
Sus. Cities and Society		1		1	10.69
WHO Bulletin	1			1	9.41
BMJ Global Health	1			1	8.06
Landslide	1	1		2	6.6
Environmental Research		1	1	2	8.43
Scientific Report		1	1	2	4.99
PLoS Negl Trop Dis			2	2	4.52
One Health		1		1	9
Int. J. of Infectious Diseases		1		1	12.07
PLoS One	3		1	4	3.58
Reg Environ Change		1		1	4.70
Int J Env Res Public Health		2	3	5	4.61
Malaria Journal	5	4	6	15	2.88
Trans R Soc Trop Med Hyg		3		3	2.45
Am. J. Trop. Med. Hyg	1	2	3	6	3.08
Other journals	6	16	18	35	
Total	20	38	37	95	

Peer-reviewed publications (* = Corresponding author, ¶ = Student's paper, ¶ = Joint first author, ‡ = Joint senior author). 19 first author, and 34 senior author papers, 24 of them led by my students (through mentorship).

147 (2023).

94. Wesley L. Passos, Cesar da S. Barreto, Gabriel M. Araujo, Ubydul Haque, Sergio L. Netto, Eduardo A.B. da Silva, **Toward improved surveillance of *Aedes aegypti* breeding grounds through artificially augmented data**, Engineering Applications of Artificial Intelligence, Volume 123, Part C, 2023, 106488, ISSN 0952-1976.

93. Seang-Arwut C, Hanboonsong Y, Muenworn V, Rocklöv J, Haque U, Ekalaksananan T, Paul RE, Overgaard HJ. **Indoor resting behavior of *Aedes aegypti* (Diptera: Culicidae) in northeastern Thailand**. Parasit Vectors. 2023 Apr 14;16(1):127. doi: 10.1186/s13071-023-05746-9. PMID: 37060087; PMCID: PMC10103527.

92. Moon Hamid Bukhari, Jürgen Pilz, Paula Silva, Tolga Görüm, Sabid Zekan, Erkan Istanbuloglu, Juneseok Lee, Arezoo Soltani, Wahyu Wilopo, Javed Akhter Qureshi, Kranthi Swaroop Koonisetty, Usupaev Sheishenaly, **Ubydul Haque. Community perceptions of landslide risk and susceptibility: A eight-country comparative study**. Landslides 20, 1321–1334 (2023).

91. **Ubydul Haque**, Amna Naeem, Shanshan Wang, Irina Holovanova, Taras Gutor, Dimitry Bazyka, Rebeca Galindo, Sadikshya Sharma, Igor P Kaidashev, Ivanna Dronyuk, Dmytro Chumachenko, Svyatoslav Linnikov, Esther Annan, Natalya Korol, Kostyantyn Bazyka, Liliia Zhyvotovska, Alla Kotvitska, Andriy Zimenkovsky, Uyen-Sa D. T. Nguyen. **The human and healthcare toll of the Russia-Ukraine War: The first 162 days**. BMJ Global Health 2022;0:e009550.

90. Annan Esther, Moeen Hamid Bukhari, Jesús Treviño, Zahra Shakeri Hossein Abad, Jailos Lubinda, Eduardo A. B. da Silva, **Ubydul Haque. The interplay between climate, poverty, and severe dengue: a Bayesian inferential model**. Ecological informatics, Volume 74, May 2023, 101986.

89. Esther Annan, Jinghui Guo, Aracely Angulo-Molina, Uyen-Sa DT Nguyen, Wan Fairos Wan Yaacob, Sare İlknur Yavaşoğlu, Kevin Bardosh, Nasrin Aghamohammadi, Nazri Che Dom, Bingxin Zhao, Uriel A. Lopez-Lemus, Latif Khan, **Ubydul Haque. Community acceptability of dengue fever surveillance using unmanned aerial vehicles: A cross-sectional study in Malaysia, Mexico, and Turkey**. Travel Med Infect Dis. 2022 Sep-Oct;49:102360. DOI: 10.1016/j.tmaid.2022.102360.

88. Mahdi Baghbanzadeh, Madison Smith, Jurgen Pilz, Sohel Rahman, Ajlina Karamehic-Muratovic, Ashvita Grag, Esther Annan, Uyen-Sa D T Nguyen, Nathan Schedler, Rajesh Nandy, **Ubydul Haque. Country-level Governance Indicators as Predictors of COVID-19 Morbidity, Mortality, and Vaccination Coverage: An Exploratory Global Analysis**. Am J Trop Med Hyg. 2022 Nov; 107(5): 1066–1073.

87. Bo Dong, Latifur Khan, Madison Smith, Jesus Trevino, Bingxin Zhao, Gabriel L. Hamer, Alex Lemus, Aracely Angulo Molina, Jailos Lubinda, **Ubydul Haque. Spatio-temporal dynamics of Dengue, Chikungunya, and Zika Viruses in Mexico: A potential co-circulation problem**. Commun Med 2, 79 (2022). DOI: 10.1038/s43856-022-00192-7.

86. Jailos Lubinda, Yaxin Bi, **Ubydul Haque**, Mukuma Lubinda, Busiku Hamainza, Adrian J. Moore. **Spatio-temporal monitoring of health facility-level malaria trends in Zambia and adaptive scaling for operational intervention**. Commun Med (Lond). 2022 Jul 1;2:79.

85. Esther Annan, Aracely Angulo-Molina, Wan Fairos Wan Yaacob, Nolan Kline, Uriel A. Lopez-Lemus, and **Ubydul Haque. Determining perceived self-efficacy for preventing dengue fever in two climatically diverse Mexican states: a cross-sectional study**. Behav Sci. 2022, 12(4), 94. DOI: 10.3390/bs12040094.

84. M.S. Rahman, Chamsai Pientong, Sumaira Zafar, Tipaya Ekalaksananan, Richard E. Paul, **Ubydul Haque**, Joacim Rocklöv, Hans J. Overgaard. **Mapping the spatial distribution of the dengue vector *Aedes aegypti* and predicting its abundance in northeastern Thailand using a machine-learning approach**. One Health. Volume 13, December 2021, 100358.

83. Ulvi, O.; Karamehic-Muratovic, A.; Baghbanzadeh, M.; Bashir, A.; Smith, J.; **Haque, U. Social media use and mental health: a global analysis**. *Epidemiologia* 2022, 3(1), 11-25.

82. Mohammad Tawhidul Hasan Bhuiyan, Irtesan Paganand Khan, Sheikh Saifur Rahman Jony, Renee Robinson, Uyen-sa Nguyen, David J. Keelings, M Sohel Rahman, **Ubydul Haque. The disproportionate**

impact of COVID-19 among undocumented immigrants and ethnic minorities in the US. *Int. J. Environ. Res. Public Health* 2021, 18(23), 12708.

81. Sherry Mangla, Fatima Tuz Zohra Makkia, Ashok Pathak, Renee Robinson, Nargis Sultana, Koonisetty Kranthi Swaroop, Ajlina Karamehic Muratovic, Uyen-sa Nguyen, Alfonso Javier Rodriguez-Morales, Jorge A. Sanchez-Duque, Patrick T. Zamba, Nasrin Aghamohammadi, Fong CS, **Ubydul Haque**. **COVID-19 Vaccine Hesitancy and Emerging Variants: Evidence from Six Countries.** *Behav Sci.* 2021, 11, 148.

80. Zafar S, Shipin O, Paul RE, Rocklöv J, **Haque U**, Rahman MS, Mayxay M, Pientong C, Aromseree S, Poolphol P, Pongvongsa T, Vannavong N, Overgaard HJ. **Development and comparison of dengue vulnerability indices using GIS-based multi-criteria decision analysis in Lao PDR and Thailand.** *Int J Environ Res Public Health.* 2021 Sep 6;18(17):9421.

79. Koonisetty K.S, Aghamohammadi, N., Urmi, T., Yavaşoglu, S.I., Rahman, M.S., Nandy, R., **Haque, U.** **Assessment of knowledge, attitudes, and practices regarding dengue among physicians: A web-based cross-sectional survey.** *Behav Sci.* 2021 Aug; 11(8): 105.

78. Jony, S.S.R, **Haque U.**, Webb, N.J., Spence, E., Rahman, M.S., Aghamohammadi, N., Lie, Y., Angulo-Molina, A., Ananth, S., Ren, X., Kawachi, N., Ito, H., Ulvi, O., Lubinda, J., Karamehic-Muratovic, A., Maher, W., Ali, P., Rahman, M.S. **Analyzing predictors of control measures and psychosocial problems associated with COVID-19 pandemic: Evidence from Eight Countries.** *Behav Sci.* 2021 Aug; 11(8): 106.

77. Md. Siddikur Rahman, Tipaya Ekalaksananan, Sumaira Zafar, Petchaboon Poolphol, Oleg Shipin, **Ubydul Haque**, Richard Paul, Joacim Rocklöv, Chamsai Pientong, Hans J. Overgaard. **Ecological, social and other environmental determinants of dengue vector abundance in urban and rural areas of northeastern Thailand.** *Int. J. Environ. Res. Public Health* 2021, 18(11), 5971.

76. Nasrin Aghamohammadi, Chng Saun Fong, Muniratul Husna, Logaraj Ramakreshnan, **Ubydul Haque.** **Outdoor thermal comfort and somatic symptoms among students in a tropical city.** *Sustainable Cities and Society.* Vol. 72, September 2021, 103015.

75. Alfonso J Rodriguez-Morales, et. al. **Specialty Grand Challenge: The Constant Threat of Zoonotic and Vector-borne Emerging Tropical Diseases, Living on the Edge.** *Front. Trop. Dis.* 2:676905.

74. Rahman MB, Salam R, I ARMT, Tasnuva A, **Haque U**, Shahid S, Hu Z. **Appraising the historical and projected spatiotemporal changes in heat index in Bangladesh.** *Theoretical and Applied Climatology*, 146, pages125–138 (2021).

73. Marium Begum, Osman Ulvi, Ajlina Karamehic-Muratovic, Mallory R. Walsh, Hasan Tarek, Jailos Lubinda, Alfonso Rodriguez, Shahzad Sarfraz, Jesús A. Treviño C, Muhammad Yousaf Shad, **Ubydul Haque.** **Quantifying media effects, its content, and role in promoting community awareness of the Chikungunya epidemic in Bangladesh.** *Epidemiologia* 2021, 2 (1), 84-94.

72. Zabihollah Charrahy, Mohammad Reza Yaghoobi-Ershadi, Mohammad Reza Shirzadi, Amir Ahmad Akhavan, Yavar Rassi, Seyedeh Zohreh Hosseini, **Ubydul Haque**, Faramarz Bozorg Omid, Ahmad Ali Hanafi-Bojd. **Climate change and its effect on the vulnerability to zoonotic cutaneous leishmaniasis in Iran.** *Transbound Emerg Dis.* 2021 Apr 20.

71. Jailos Lubinda, Yaxin Bi, Busiku Hamainza, **Ubydul Haque**, Adrian J. Moore. **Spatio-temporal monitoring of health facility level malaria trends and adaptive scaling for operational intervention planning.** *Communications Medicine* (Accepted).

70. Jailos Lubinda, Yaxin Bi, Busiku Hamainza, **Ubydul Haque**, Adrian J. Moore. **Modeling of Malaria Risk, Rates, and Trends: A Spatiotemporal approach for identifying and targeting sub-national Areas of High and Low Burden.** *PLoS Comput Biol.* 2021 Mar 1;17(3):e1008669.

69. Sherry Mangla, Ashok Kumar Pathak, Mohd. Arshad, **Ubydul Haque.** **Short-term Forecasting of the COVID-19 Outbreak in India.** *Int Health.* 2021 Jun 5: ihab031.

68. Jailos Lubinda, **Ubydul Haque**, Yaxin Bi, Busiku Hamainza, & Adrian J. Moore. **Near-term climate**

change impacts on sub-national malaria transmission. Sci Rep. 2021 Jan 12;11(1):751.

67. Md. Siddikur Rahman, Parveen Ali, Miftahuzzannat Amrin, Arman Hossain Chowdhury, Md. Selim Mondol, **Ubydul Haque**, Ajlina Karamehic-Muratovic. **COVID-19 in Bangladesh among rural and urban residents: An online survey of knowledge, attitudes, practices, and psychological aspects.** Epidemiologia 2021, 2(1), 1-13.

66. Dyna Doum, Hans J. Overgaard, Mayfong Mayxay, Sutas Suttiprapa, Prasert Saichua, Tipaya Ekalaksananan, Panwad Tongchai, Md. Siddikur Rahman, **Ubydul Haque**, Sysavanh Phommachanh, Tiengkham Pongvongsa, Joacim Rocklöv, Richard Paul, Chamsai Pientong. **Dengue seroprevalence and seroconversion in urban and rural populations in northeastern Thailand and southern Laos.** Int J Environ Res Public Health. 2020 Dec 7;17(23):9134.

65. Siddikur Rahman, Hans J. Overgaard, Chamsai Pientong, Mayfong Mayxay, Tipaya Ekalaksananan, Sirinart Aromseree, Suprane Phanthanawiboon, Sumaira Zafar, Oleg Shipin, Richard E Paul, Sysavanh Phommachanh, Tiengkham Pongvongsa, Nanthasane Vannavong, **Ubydul Haque** II. **Knowledge, Attitudes, and Practices on Climate Change and Dengue in Lao People's Democratic Republic and Thailand.** Environ Res. 2020 Nov 24; 110509.

64. Jailos Lubinda, **Ubydul Haque**; Yaxin Bi; Muhammad Yousaf Shad; David Keellings; Busiku Hamaiza; Adrian J. Moore. **Climate change and the dynamics of age-related malaria incidence in Southern Africa: A focus on Zambia.** Environ Res. 2021 Mar 22;197:111017.

63. Sushmitha Ananth, Nistha Shrestha, Jesús A. Treviño C, Uyen-sa Nguyen, **Ubydul Haque**, Aracely Angulo-Molina, Alex Lemus, Jailos Lubinda, Rashed Md. Sharif, Rafdzah Ahmad Zaki, Rosa María Sánchez Casas, Diana Cervantes, Rajesh Nandy. **Clinical Symptoms of arboviruses in Mexico.** Pathogens. 2020 Nov 19;9(11):964. DOI: 10.3390/pathogens9110964.

62. Irtesam Mahmud Khan, **Ubydul Haque**, Samiha Kaisar, M. Sohel Rahman. **A computational modeling study of COVID-19 in Bangladesh.** Am J Trop Med Hyg. 2020 Nov 2.

61. Nistha Shrestha, Muhammad Yousaf Shad, Osman Ulvi, Modasser Hossain Khan, Ajlina Karamehic-Muratovic, Uyen-Sa D.T. Nguyen, Mahdi Baghbanzadeh, Robert Wardrup, Nasrin Aghamohammadi, Diana Cervantes, Kh. Md Nahid Uzzaman, Rafdzah Ahmed Zaki, **Ubydul Haque** II. **The impact of COVID-19 on globalization.** One Health. 2020 Oct 13;100180.

60. Rahman, M.S., Baghbanzadeh, M., Karamehic-Muratovic, A., Amrin, M., Zafar, S., Rahman, N.N., Shirina, S.U., **Haque, U** II. **Climate change and dengue fever knowledge, attitudes, and practices among university students in Bangladesh: A Facebook-based cross-sectional survey.** Trans R Soc Trop Med Hyg. 2020 Sep 15; tra093.

59. IM Khan, **U Haque**, W Zhang, S Zafar, Y Wang, J He, H Sun, MS Rahman. **COVID-19 in China: Risk Factors and R0 Revisited.** Acta Trop. 2021 Jan; 213: 105731.

58. MS Rahman, NC Peeri, N Shrestha, R Zaki, **U Haque**, SH Ab Hamid. **Defending against the Novel Coronavirus (COVID-19) Outbreak: How Can the Internet of Things (IoT) help to save the World?** Health Policy Technol. 2020 Apr 22.

57. Peeri NC, Shrestha N, Rahman S, Zaki R, Tan Z, Bibi S, Baghbanzadeh M, Aghamohammadi N, Zhang W and **Haque U** II. **The SARS, MERS, and novel coronavirus (COVID-19) epidemics, the newest and biggest global health threats: what lessons have we learned?** International Journal of Epidemiology, 2020, dyaa033.

56. Baghbanzadeh M, Kumar D, Yavasoglu SI, Manning S, Hanafi-Bojd AA, Ghasemzadeh H, Sikder I, Kumar D, Murmu N, **Haque U** II. **Malaria epidemics in India: Role of climatic condition and control measures.** Science of The Total Environment 712, (2020), 136368.

55. Salim, NAMS., Wah, YB., Reeves, C., Yaacob, WFWY., Mudin, RN., Dapari, R., Sapri, NNFS., **Haque, U**. **Prediction of dengue outbreak in Selangor Malaysia using machine learning techniques** II. Sci Rep. 2021 Jan 13;11(1):939.

54. Selam Mihreteab, Jailos Lubinda, Bingxin Zhao, Alfonso J. Rodriguez-Morales, Ajlina Karamehic-Muratovic, Aman Goitom, Muhammad Yousaf Shad, and **Ubydul Haque**. **Retrospective data analyses of social and environmental determinants of malaria control for elimination prospects in Eritrea**. *Parasit Vectors*. 2020 Mar 12;13 (1):126.
53. Jailos Lubinda, Jesús A. Treviño C., Mallory Rose Walsh, Adrian Moore, A.A. Hanafi-Bojd, Seval Akgun, Bingxin Zhao, Allison Barro, Marium Begum, Hera Jamal, **Ubydul Haque**¶. **Environmental suitability for *Aedes aegypti* and *Aedes albopictus* and the spatial distribution of major arboviral infections in Mexico**. *Parasite Epidemiol Control*. 2019 Aug 12;6:e00116. DOI: 10.1016/j.parepi.2019.e00116.
52. Thipruethai Phanitchat, Bingxin Zhao; **Ubydul Haque**; Chamsai Pientong; Tipaya Ekakalaksananan; Sirinart Aromseree; Kesorn Thaewongiew; Benedicte Fustec; Michael J. Bangs; Neal Alexander; Hans J. Overgaard. **Spatial and temporal patterns of dengue in northeastern Thailand 2006-2016**. *BMC Infect Dis*. 2019 Aug 23;19(1):743.
51. **Haque U**, da Silva PF, Devoli G, Pilz J, Zhao B, Khaloua A, Wilopo W, Andersen P, Lu P, Lee J, Yamamoto T, Keellings D, Wu JH, Glass GE. **The human cost of global warming: deadly landslides and their triggers (1995–2014)**. *Science of the Total Environment* 682 (2019) 673–684
50. Hector Ramses, Ramírez Navarro, Peter Polesnak, Julio Roberto Reyes-Leyva, **Ubydul Haque**, Juan Carlos Vazquez-Chagoyán, Martin Pedroza-Montero, Miguel Mendez-Rojas, and Aracely Angulo-Molina. **Magnetic Immunoconjugate Nanoplatfrom for Easy Colorimetric Detection of NS1 Protein of Dengue Virus in Infected Serum**. *Nanoscale Adv.*, 2020.
49. Pesevski Igor, Milorad Jovanovski, Biljana Abolmasov, Jovan Papic, Uroš Đurić, Miloš Marjanović, **Ubydul Haque**, and Natasha Nedelkowska. **Preliminary regional landslide susceptibility assessment by using a limited amount of data**. *Geologia Croatica*, 2018, 71/3, 135 – 146.
48. Caleb Zinn, Rachel Bailey, Noah Barkley, Ashlen Hynes, Tameka Coleman, Gordana Savic, Kacie Soltis, Sharmika Primm, **Ubydul Haque**¶. **Can water treatment technologies contribute to improving global health?** *J Public Health Emerg* 2018; 2:25.
47. Jacob Smith, Swagata Banik, **Ubydul Haque**¶. **Catastrophic Hurricanes and Public Health Dangers: Lessons Learned**. *J Public Health Emerg* 2018; 2:7.
46. Emmanuel Chanda, Korine Kolivras, Wenyi Zhang, Josephine Namboze, Andreas H Angula, Khoti Gausi, Pentrina Uusiku, Desta Tiruneh, Quazi M Islam, **Ubydul Haque**. **Assessment of malaria epidemics and response in Kavango and Zambezi regions of Namibia**. *Trans R Soc Trop Med Hyg* 2018; 00: 1–9.
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