



**Accident Research Institute (ARI)**  
Bangladesh University of Engineering and Technology (BUET)

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**List of Publications**

**Journal Publication**

- I. **Newaz, Md.S.**, Miaji, S., Rabbi, S. H., “*An Approach to Apply Kernel Density Estimation Tool for Crash Prone Location Identification*” International Journal of Computer and Information Engineering Vol:3, No:6, 2016. [waset.org/43744](http://waset.org/43744).
- II. Rahman,M., **Newaz, M.S.**, (2012), “*Development of a GIS based hazardous road location identification system for National Highways of Bangladesh*”, the online journal of science and technology, tojsat.net, ISSN 2146-7390.

**Conference Publications**

- I. **Newaz, Md.S .**, Rabbi, S. H., Mahmud, S.M.S., Uddin, I.m., (2016), " *An Approach to Identify the Crash Risk at Rural Road Curve Section and Low Cost Measures for Treatment* ", in the proceeding of the Bangladesh Planning Research Conference (BPRC), pp 20, paper id 109, 2016, Dhaka, Bangladesh.
- II. Rabbi, S. H., **Newaz, Md.S.**, Pervaz, S., “*Analysis of Accident involving locally innovated Para-transit Vehicles in Bangladesh*” in the proceeding of International Conference on Traffic and Transport Psychology, , pp 98, 2-5 August 2016, Brisbane, Australia.
- III. Pervaz, S., **Newaz, Md.S.**, “*Road Safety in Bangladesh:Overview of Accidents Pattarn and Fatalities*” in the proceeding of International Conference on Traffic and Transport Psychology, , pp 143, 2-5 August 2016, Brisbane, Australia.
- IV. Ahsan, H.M., **Newaz, Md.S.**, Alam, A.K.M.S., Alam, M. (2011), "*Application of GIS in Hazardous Road Location (HRL) Identification*", in the proceeding of 4<sup>th</sup> Annual Paper Meet and 1<sup>st</sup> Civil Engineering Congress,2011, Dhaka, Bangladesh.
- V. **Newaz, M,S.**, Huq, A.S. (2008), "*Effective Information System For Public Transport In Dhaka City Using GIS Technology*", in the proceedings of the Sustainable Transport For Developing Countries: Concerns, Issues and Options, pp 53-56, 27-28 August 2008, Dhaka.
- VI. Hoque, M.M., Mahmud, S.M.S., **Newaz, M.S.**, Rabbi, S. H. (2008), “*Road Safety Hazards At Jamuna Multipurpose Bridge (JMB) Site: Implications for Bridge Management*”, in the proceedings of the 23rd ARRB Conference, July 30- August 1, 2008, Adelaide, South Australia.
- VII. Hoque, M.M., **Newaz, M.S.**, Mahamud, S.M. (2008), “*Identification of HRL by the Application of GIS: A Case Study of Dhaka-Aricha Highway*”, in the proceedings of the 9th World

- Conference of Injury Prevention and Safety Promotion, 15-18 March 2008, pp 166-166 Merida, Mexico.
- VIII. **Newaz, M.S.**, Huq, A.S. (2008), "***Involvement of Children Towards Poison Related Deaths in Bangladesh***", in the proceedings of the 9th South East Asia Regional Scientific Meeting of the International Epidemiological Association (IEA), pp 216-217, 9-12 February 2008, Dhaka.
- IX. Huq, A.S., **Newaz, M.S.** (2008), "***Assessment of Effects of Occupational and Environmental Health***", in the proceedings of the 9th South East Asia Regional Scientific Meeting of the International Epidemiological Association (IEA), pp 216-217, 9-12 February 2008, Dhaka.
- X. Hoque, M.M., **Newaz, M.S.**, Mahamud, S.M (2007), "***Child Pedestrian Injuries in Bangladesh: Problems and Strategies for Safety Improvements***", in the proceedings of the 9th South East Asia Regional Scientific Meeting, 9-12 February 2008, Institute of Child and Mother Health (ICMH), Dhaka, Bangladesh.
- XI. Hoque, M.M., **Newaz, M.S.**, Mahamud, S.M., Awal, J.I. (2007), "***Some Aspects of Research Funding on Engineering And Technology In Bangladesh***", in the proceedings of the National Symposium on Engineering and Technological Education (NSET) Bangladesh, pp 101-103 , 29 December 2007, BUET, Dhaka, Bangladesh.
- XII. Hoque, M.M., **Newaz, M.S.**, Mahamud, S.M. (2007), "***Urban Road Safety: Effective Rescue Of Accident Victims Using GIS Technology***", in the proceedings of the 6th International Symposium on New Technologies for Urban Safety of Mega Cities in Asia, 9-10 December 2007, Dhaka, Bangladesh.
- XIII. Hoque, M.M., **Newaz, M.S.**, Ahmed, S.N. (2006), "***Speed Limit and Accidents in National Highway: A Case Study***", in the proceedings of the International Conference on Road Safety in Developing Countries, 22-24 August, 2006, pp 375-383 Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh.

### Poster Publications

**Newaz, Md.S .**, Rabbi, S. H., Uddin, I.m., (2016), " The Relation Between The Effectiveness of Pedestrian Overpass and its Location of Installation: A Case Study on an Escalated Foot Over Bridge In Dhaka City", in the 12th World Conference on Injury Prevention and Safety Promotion, Safety 2016, Tampere,