

**LIST OF PAPERS PUBLISHED in 2017**

| Sl | Author<br>(Including Co-author)            | Title of the Paper  | Detail of Paper<br>(including Vol., Issue, Pg. No. Year)  | Nature of Paper<br>(Journal/Conference/Book Chapter) | National/<br>International | Journal Impact<br>No./SCI<br>Index/ISBN<br>No/ISSN No. |
|----|--|---|---|--|----------------------------|--|
| 1  | Samim Mustafa and Y Matsumoto              | Bayesian model updating and its limitations for detecting local damage of an existing truss bridge  | March, 2017<br>DOI:<br>10.1061/(ASCE)BE.1943-5592.0001044 | Journal Of Bridge Engineering (ASCE)                 | International              |  |
| 2  | Samim Mustafa, Y Matsumoto and H Yamaguchi | Vibration-based health monitoring of an existing truss bridge using energy-based damping evaluation | March, 2017   | Journal of Bridge Engineering (ASCE)                 | International              |  |

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|----|---------------------------------|---|--|---|----------------------------|--|
| 1  | Samim Mustafa and Y Matsumoto   | An energy-based damping evaluation for interpretation of damping increase due to damage in an existing steel truss bridge | Vol. CS2, No. 005, September, 2016                       | Conference<br>In proceeding of 18 <sup>th</sup> International summer symposium of JSCE, Japan | International              |  |
|    |                                 |   |  |   |                            |  |

**LIST OF PAPERS PUBLISHED in 2015**

| Sl | Author<br>(Including Co-author)               | Title of the Paper  | Detail of Paper<br>(including Vol., Issue, Pg. No. Year) | Nature of Paper<br>(Journal/Conference/Book Chapter)                                       | National/<br>International                                    | Journal Impact<br>No./SCI<br>Index/ISBN<br>No/ISSN No. |
|----|---|---|--|--|---|--|
| 1  | S.Chandra,<br>S. Das (nee Pal), A. G. Niyogi  | Vibro Acoustic Analysis In Rectangular Cabin Structure Made of Angle Ply Laminates  | Feb. 18-20, 2015   | Conference   | International<br>Conference on Vibration Problem (ICOVP-2015) |  |
| 2  | P D Sarkar, P K Roy                           | Study of impact on developed groundwater system around flow fields by using numerical approach in Purulia District                      | 2015, 7(1):298-306                                       | Journal of Chemical and Pharmaceutical Research  | International   |  |
| 3  | Samim Mustafa, N Debnath and Anjan Dutta      | Bayesian probabilistic approach for model updating and damage detection for a large truss bridge  | Vol. 15, No. 2, pp. 473-485, June, 2015                  | International Journal of steel structures, Springer  | International   |  |
| 4  | Samim Mustafa, AJ Dammika, Y Matsumoto et al. | A Bayesian probabilistic approach for finite element model updating utilizing vibration data measured in an existing steel truss bridge | Vol. RS3, pp. 114-123, July, 2015                        | In proceeding of structural health monitoring of intelligent infrastructure, Torino, Italy | International   |  |
| 5  | Samim Mustafa and Y Matsumoto                 | Model updating of a steel truss bridge using Bayesian probabilistic approach  | Vol. CS2, No. 003, pp. 5-6, September, 2015              | In proceeding of 17 <sup>th</sup> International summer symposium of JSCE, Okayama Japan    | International   |  |

**LIST OF PAPERS PUBLISHED in 2014**

| Sl | Author<br>(Including Co-author)          | Title of the Paper   | Detail of Paper<br>(including Vol., Issue, Pg. No. Year) | Nature of Paper<br>(Journal/Conference/Book Chapter)   | National/<br>International | Journal Impact<br>No./SCI<br>Index/ISBN<br>No/ISSN No. |
|----|--|--|--|--|----------------------------|--|
| 1  | Mr. Saptarshi Nandi                      | Elasto-Plastic Analysis in Soil And Cam-Clay Model   |  | Proceedings of Indian Geotechnical Society, Kolkata Chapter Geotechnique today, Modeling & Construction-2014 | National                   |  |
| 2  | P.K. Bhuyan, Suprabeet Datta             | Which Method is Appropriate- INAFOGA or PROBABILITY EQUILIBRIUM for Critical Gap Estimation of U-turn Vehicles at Median Openings In Urban Indian Context? | 2015, 3(1):459-465                                       | International Journal of Transport, Highways and Railways Engineering (IJTHRE)                               | International              |  |
| 3  | S. Banerjee, S. Ghosh, A. Shiuly, R. Das | Seismic Hazard Analysis and Determination of Site Specific Ground Motion Parameter of Tollygunge Region, Kolkata   | December 11-13, 2014                                     | Proceedings of Symposium on Earthquake Engineering, IIT, Roorkee   | International              |  |
| 4  | S K. Paul, S Chaudhury, S V. Barai       | Chloride diffusion study in different types of concrete using finite element method (FEM)  | Vol-2(1), 39-56  | Advances in Concrete Construction, 2014  | International              |  |
| 5  | P.K.Bhuyan, Suprabeet Datta              | Estimation of Critical Gap for U-turning Vehicles at Median Openings Under Mixed Traffic Conditions  | 2014, 3(1s): 133-141                                     | INROADS-An International Journal of Jaipur National University   | International              |  |

**LIST OF PAPERS PUBLISHED in 2013**

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|----|-------------------------------------|--|--|---|----------------------------|--|
| 1  | Samim<br>Mustafa and<br>Anjan Dutta | Bayesian<br>probabilistic<br>approach for<br>model updating<br>and damage<br>detection | Vol. 119, August<br>2013                                 | In proceeding<br>of Vienna<br>Congress on<br>Recent<br>Advances in<br>Earthquake<br>Engineering and<br>Structural<br>Dynamics,<br>Austria | International              |  |
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