

# Editorial

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**W**E are pleased to present the eighth volume of the ULAB's Journal of Science and Engineering (JSE). It's been another successful year for us. Since 2010, ULAB's JSE has maintained its position as the most prestigious national publication in the field of science and engineering.

In the first volume, we found many ordinary papers were being submitted, but the quality of submitted paper is gradually improving in the subsequent volumes. Based on peer-review, this year we have accepted 4 papers.

The first paper describes an analysis of socio-economic status of household to identify the key determinants of poverty in Bangladesh using principal component analysis.

The second paper focuses on the development of a model based on the Gestalt Theory of learning to enhance engagement of the students in the classroom related to problem solving intelligence and creativity.

The third paper presents a framework for the necessity of generalization of diverse block-cipher techniques through a unified approach.

Finally, the fourth paper shows a numerical solution of one-dimensional advection-diffusion transportation equation, which is generated from lumped-parameter model of human lung channel. It also presents a simulation to show accuracy.

According to the publication policy all papers submitted to this journal have been subject to a rigorous peer-review. We continuously strive to publish original research that contains elements with technical novelty in a timely manner. The journal's focus is on traditional areas of both theoretical and practical applications of physics, mathematics, statistics, environmental science, electronics, computer science, information and communication engineering. In addition, we shall gladly accept submissions on emerging technologies and other emerging areas related to the above fields.

You are most welcome to read this issue of the ULAB Journal of Science and Engineering. To continue publishing a high-quality journal, JSE's editorial board seeks excellent contributions containing original research or reviews. Our editorial board works tirelessly to provide contributors with a prompt and thorough review process.

We would like to extend our heartfelt thanks to every author, reviewer and reader for your support and dedication to JSE. We strongly believe that together, we shall elevate the journal to even higher levels of quality, impact, and reputation.

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