To Editor

**Journal of Construction Research**

Subject: Submission of a manuscript for publishing in the Journal of Construction Research.

Dear Sir/Madam,

I wish to submit an original research article entitled “**ANALYSING DELAY IMPACT FROM POTENTIAL RISK FACTORS ON PROJECT DELIVERY OF OIL AND GAS PIPELINE: A CASE STUDY IN IRAQ”** for consideration by the Journal of Construction Research.

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I confirm that this work is original and has not been published, nor under consideration for publication elsewhere.

In this paper, we have identified and analyzed the risk factors associated with Oil and Gas Pipelines (OGPs) particularly in developing and insecure countries. The aim of this paper is to quantify the delay impact in the duration of the projects during the construction stage, which caused by the associated risk factors.

Building new OGPs without identifying and analyzing the risk factors could cause project delay and have a significant impact on the safety of the projects at the construction and operation stages. Hence, it is essential to assess the risk factors that are applicable to the OGP projects and manage them by quantifying their impact on the projects in an accurate way. The potential risk factors were identified via an extensive literature review, and they were analyzed using the findings of a questionnaire survey and the fuzzy logic theory. This paper aims to quantify the impact of the recorded risk factors on the project’s duration and forecast the probability of the project being completed in time. The methodology of this paper includes allocating the Risk Index (RI) values of each risk factors to the work activities of the projects, applying the risk distributing methods, and calculating the impact of the risk factors on the duration of each activity of the project using Monte Carlo Simulation algorithm integrated with @Risk software. This paper will be useful in providing a suitable measure for the risk factors in OGPs projects, and will aid in reducing their impact on project duration and improving the certainty of the projects delivery.

I believe that this manuscript is appropriate for publication by the Journal of Construction Research because it meets the journal’s aims and scope especially project management and risk assessment.

The University Research Ethics Committee (UREC) at Liverpool John Moores University (LJMU) reviewed and approved the designed questionnaire before the industrial survey was conducted. Application number: 17/BUE Layth Kraidi, PGR. Date of Approval: 22 February 2017

Could you please take the necessary action for publishing my manuscript in your journal?

Sincerely,

Layth Kraidi   
28-01-2021