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## Structural Strength, Corrosion and Failure Analysis of Pressure Vessel and Pipeline System

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### Message from the Guest Editors

Pipelines, which are regarded as blood vessels in the industrial field, are widely used to transport oil and natural gas, ammonia, alcohol fuels, coal and ore, hydrogen, water, carbon dioxide, etc. By far, pipelines are the most efficient and economical way to transport fluid media.

However, due to the complex and hazardous transport environment, fracture, distortion, leakage, corrosion, etc., can easily occur in pipelines. Corrosion is one of the main causes of pipeline failure and has always been a bottleneck problem affecting the structural strength and failure analysis of pipelines.

As mentioned above, the failure of pipelines threatens people's lives and property. Therefore, research on the structural integrity and failure mechanism of pipelines, especially of corroded ones, is a vital task to meet the design requirements of safer ones.





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## Message from the Editor-in-Chief

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