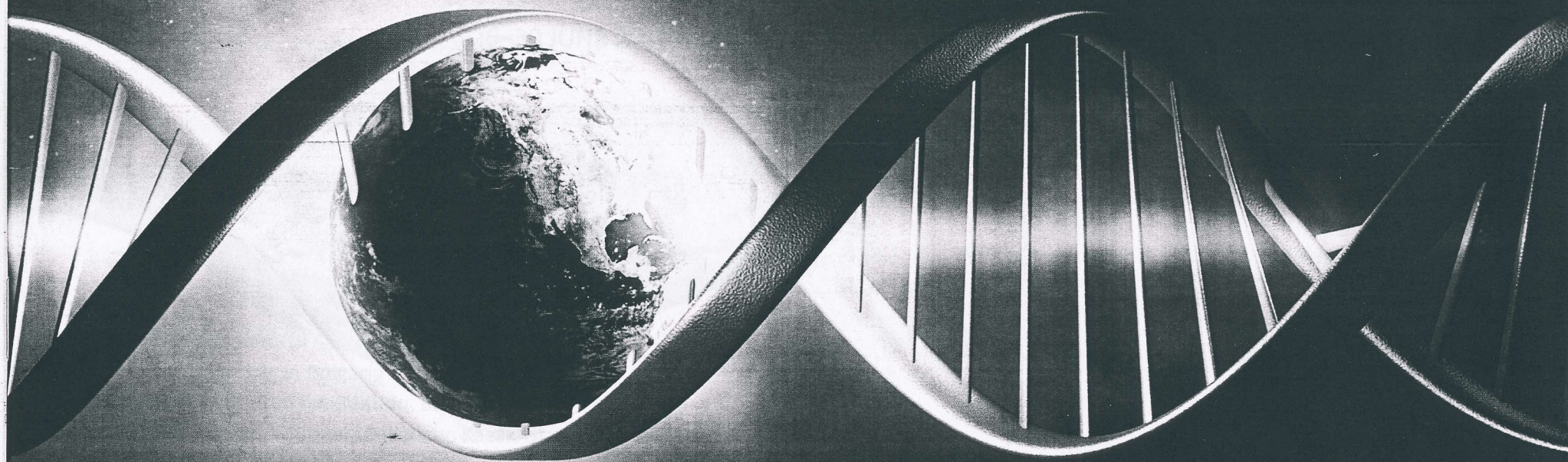


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Finding critical process parameters that are responsible for observed defects by means of data mining

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Abstract

The present work is an attempt at developing a framework for data mining in order to understand mechanisms involved during manufacturing process that are responsible for observed product non conformities. The critical process parameters/attributes are identified from historical data. The project included a global approach to process improvement of an advanced composite material which incorporated several steps to selecting the potential critical process parameters that become the focus of process understanding and control.