



## Decision Making in Uncertain Environments via Advanced Analytical Methods

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### Message from the Guest Editors

Dear Colleagues,

Decision making is a process of choosing a particular direction or course that involves a combination of directions among a finite or non-finite set of alternatives. Decision making is not only applicable in many fields, but it is also a necessary condition to achieve reliable results in most applied sciences (finance/economics, engineering, management, health sciences, environmental sciences, etc.). Modern and efficient tools in the decision-making process are advanced analytical methods, especially in environments with inherent uncertainty. In these constantly evolving environments, there are multiple determinants of decisions, and their weights are vague and changing. For this reason, deploying advanced analytical methods is considered to be effective and efficient in the scientific field of decision analysis.

During the decision-making process, these methods can be used individually or in combination depending on the nature, complexity, and duration of the problem under examination and its effects on its immediate environment.





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