

Advanced mathematical Models & Applications
SPECIAL ISSUE

Selected Papers from the
International Conference on Mathematics & Data Science &
International E-Conference on Differential Equations and Applications

The Special Issue ICMDS-IE-CDEA 2021 is dedicated to researchers working in the fields of qualitative analysis and numerical simulation of linear and nonlinear mathematical models.

The papers presented in this special are selected from thirty eight documents presented in two international conferences that took place in 2021. The first is ICMDS-2021 (International Conference on Mathematics & Data Science 2 Khouribga, Morocco, 28-30 October, 2021). The second is IE-CDEA-2021 (International E-Conference on Differential Equations and Applications, LAMA, Fez, Morocco, 24-25 September 2021).

Each submission to this special issue has gone through a thorough and rigorous reviewing process, in accordance with the high standard of the *Advanced Mathematical Models & Applications*. We thank the reviewers for their assiduous and meticulous reviewing, which contributed to the high quality of the papers.

With a stringent peer review process, there are thirteen papers included in this Special Issue, which cover the following aspects within the context of linear and nonlinear mathematical models: 1) Mathematical analysis of differential equations; 2) Analysis of problems with nonlinear PDE; 3) Numerical simulation.

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