

Volume 11

Issue 01 N° ISSN 2253-0665 (2023)

MOMA

Models, Optimisation and Mathematical Analysis

Journal

Editor-In-Chief

Pr. Mostefa BELARBI

Associate Editor

Dr. Taqiyeddine MOUMEN

Edition comity

Abdelkader SENOUCI

University of Tiaret- Algeria

Abdelkader CHAIB

University of Tiaret- Algeria

Djamel TURKI

University of Tiaret- Algeria

Hayat DAOUD

University of Tiaret- Algeria

Sabrina AMAR

University of Tiaret- Algeria

Chahrazed ADDA

University of Tiaret- Algeria

Abdelhamid HARICHE

University of Tiaret- Algeria

Khaldia LAREDJ

University of Tiaret- Algeria

Khaldia BENAHMED

University of Tiaret- Algeria

Abdelmalek ABID

University of Tiaret- Algeria

LIM Laboratory

Computer Science Department

Faculty of mathematics and computer science

Ibn Khaldoun University of Tiaret - Algeria

2023

Message of MOMA Journal Editor-In-Chief

The different editions of MOMA journal fall within the framework of exploratory approaches or the notion of model, its optimization and its analysis which can be mathematical or certain empirical cases. This issue is no exception to the adopted rule.

A selection of articles which puts into a coherent framework the contribution of mathematical methods in supporting industrial and medical applications and even learning analytics. These mathematical methods can be fundamental as they can be statistical on which we can extract algebraic foundations.

The most important thing is to establish a rigorous mathematical foundation when reading problems in the field of science and technology in a framework that can help better solve problems as diverse as they may be.

Prof. Mostefa BELARBI

Editor-in-Chief MOMA Journal

Message of MOMA Journal Associate Editor

This issue encompasses several approaches among which we find the mathematical modeling of the notion of synchronism, this latter is often performed in computer science, the authors provide a working polynomial framework for computational applications. The issue presents a set of case studies ranging from the phenomenon of diabetes which affects children to the influence of Covid-19 in a university campus context and the induced effect in relation to student performance, to other case studies like epidemiological. The technics of wireless network, their typology and security were also presented in the last selected paper.

Generally speaking, the number remains rich in relation to the potential interactions between the case studies treated in a statistical framework which can give rise to directions in computational chemistry applied in particular in the study of the environment and our ecosystem.

We would like to thank the MOMA Journal technical team and the reviewers for the precious time allocated to our various requests.

Dr. Taqiyeddine MOUMEN

Associate Editor MOMA Journal

Table of Contents

Message of MOMA Journal Editor-In-Chief

Message of MOMA Journal Associate Editor

Some generalizations of fractional integral inequalities..... 6

A. SNOUCI, M.KHIRANI

Study of a breast cancer epidemiology among the patients: Case of Tiaret region, Algeria 11

S. BACHA, H. ADIM, M. BELARBI, C. ADDA, I. BENAZZOZ, A. MIMOUNI

Basic statistics using arcgis and spss for pediatric diabetes case study: the Tiaret region..... 17

I. MAKBOUL, A. KACHER, M. BELARBI, C. ADDA, S. OUARDIA, K. BENYAHIA

Challenges Affecting Students' Outcomes & Strategies to Promote Learning during the COVID-19
Pandemic..... 24

Y. HADDOU, H. MOHAMDI, M. BELARBI, C. ADDA, N. BENABDALLAH, G. DEKKICHE, F. SERRAR

Intrusion Detection Based on Neural Networks in IoT 29

C. BENSALD

INDEX OF AUTHORS

Adda C	11
Adda C	17
Adda C	24
Adim H	11
Bacha S	11
Belarbi M	11
Belarbi M	17
Belarbi M	24
Benabdallah N	24
Benazzouz I	11
Bensaid C	29
Benyahia K	17
Dekkiche G	24
Haddou Y	24
Kacher A	17
Khirani M	06
Makboul I	17
Mimouni A	11
Mohamdi H	24
Ouardia S	17
Serrar F	24
Senouci A	06