Asst. Prof. HAZEM AL-NAJJAR

Personal Information

Email: halnajjar@gelisim.edu.tr
Web: https://avesis.gelisim.edu.tr/halnajjar

Journal articles indexed in SCI, SSCI, and AHCI

I. **Machine Learning to Develop Credit Card Customer Churn Prediction**
AL-Najjar D., Al-Rousan N., AL-Najjar H.
Journal of Theoretical and Applied Electronic Commerce Research, vol.17, no.4, pp.1529-1542, 2022 (SSCI)

II. **Developing Machine Learning Techniques to Investigate the Impact of Air Quality Indices on Tadawul Exchange Index**
Al-Najjar D., Al-Najjar H., Al-Rousan N., Assous H. F.
Complexity, vol.2022, 2022 (SCI-Expanded)

III. **Integration of logistic regression and multilayer perceptron for intelligent single and dual axis solar tracking systems**
AL-Rousan N., Mat Isa N. A., Mat Desa M. K., AL-Najjar H.
International Journal of Intelligent Systems, vol.36, no.10, pp.5605-5669, 2021 (SCI-Expanded)

IV. **Assessment of predicting hourly global solar radiation in Jordan based on Rules, Trees, Meta, Lazy and Function prediction methods**
Al-Rousan N., Al-Najjar H., Alomari O.
Sustainable Energy Technologies and Assessments, vol.44, 2021 (SCI-Expanded)

V. **Optimizing the performance of MLP and SVR predictors based on logical oring and experimental ranking equation**
Al-Rousan N., Al-Najjar H.
Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A, vol.44, no.2, pp.149-157, 2021 (SCI-Expanded)

VI. **Evaluation of the prediction of CoVID-19 recovered and unrecovered cases using symptoms and patient's meta data based on support vector machine, neural network, CHAID and QUEST Models**
Al-Najjar D., Al-Najjar H., Al-Rousan N.
European Review for Medical and Pharmacological Sciences, vol.25, no.17, pp.5556-5560, 2021 (SCI-Expanded)

VII. **Data analysis of coronavirus COVID-19 epidemic in South Korea based on recovered and death cases**
AL-Rousan N., AL-Najjar H.
Journal of Medical Virology, vol.92, no.9, pp.1603-1608, 2020 (SCI-Expanded)

VIII. **The correlation between the spread of COVID-19 infections and weather variables in 30 Chinese provinces and the impact of Chinese government mitigation plans**
Al-Rousan N., Al-Najjar H.
European Review for Medical and Pharmacological Sciences, vol.24, no.8, pp.4565-4571, 2020 (SCI-Expanded)

IX. **Are Italy and Iran really suffering from COVID-19 epidemic? A controversial study**
Al-Najjar H., Al-Rousan N.
European Review for Medical and Pharmacological Sciences, vol.24, no.8, pp.4519-4522, 2020 (SCI-Expanded)

X. **Is visiting Qom spread CoVID-19 epidemic in the Middle East?**
Al-Rousan N., Al-Najjar H.
European Review for Medical and Pharmacological Sciences, vol.24, no.10, pp.5813-5818, 2020 (SCI-Expanded)

XI. **CoVID-19 symptoms analysis of deceased and recovered cases using Chi-square test**

Al-Najjar D., Al-Najjar H., Al-Rousan N.

European Review for Medical and Pharmacological Sciences, vol.24, no.21, pp.11428-11431, 2020 (SCI-Expanded)

XII. **A classifier prediction model to predict the status of Coronavirus CoVID-19 patients in South Korea**

Al-Najjar H., Al-Rousan N.

European Review for Medical and Pharmacological Sciences, vol.24, no.6, pp.3400-3403, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **Ramadan effect and indices movement estimation: a case study from eight Arab countries**

Al- Najjar D., Assous H. F., Al-Najjar H., Al-Rousan N.

Journal of Islamic Marketing, vol.14, no.8, pp.1989-2008, 2023 (ESCI)

II. **long-term general inDex PreDiction BaseD on Feature selection anD search methoDs: amman stock exchange market1 Применение метода отбора признаков для долгосрочного прогноза индекса амманской фондовой биржи**

Al-Najjar D., Al-Najjar H., Al-Rousan N.

Economy of Region, vol.18, no.4, pp.1301-1316, 2022 (ESCI)

III. **Impact of COVID-19 pandemic virus on G8 countries' financial indices based on artificial neural network**

Al-Najjar H., Al-Rousan N., Al-Najjar D., Assous H. F., Al-Najjar D.

Journal of Chinese Economic and Foreign Trade Studies, vol.14, no.1, pp.89-103, 2021 (ESCI)

IV. **Can international market indices estimate TASI's movements? The ARIMA model**

Assous H. F., Al-Rousan N., Al-Najjar D., Al-Najjar H.

Journal of Open Innovation: Technology, Market, and Complexity, vol.6, no.2, pp.1-17, 2020 (Scopus)