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Editorial

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This issue contains two papers. One is about Discrete Event Model of Pandemic Data Processing [1] based on Petri Nets. It is another concept paper that shows where Petri Nets a well-known technique can be useful in medical applications. It completes the line of concept papers about Petri-Net applications in medicine that are given over the last issues of this journal. The evaluation of the Petri-Net applications is not done yet, but we hope that soon this kind of technique will be evaluated on real data.

The second paper shows a new technique for the detection of hygiene-relevant parameters in grain samples based on a sample preparation method, microscopic image imaging, and intelligent image processing. Data Mining is used to discover the relation and the knowledge between the new developed image features and the desired nutrition output. Based on the number of recognized fungi spores the detection of fungi damaged sample charges have been done that corresponds to the Mycotoxin concentration. When the technique based on the new developed methods can be fully automated new sample charges can be analyzed that allow new insights into the hygiene-relevant parameters of grain samples.

References

1. Calin Ciufudean, Discrete Event Model of Pandemic Data Processing, TRANSACTIONS ON MASS-DATA ANALYSIS OF IMAGES AND SIGNALS, Volume 12 - Number 1 - September 2021, p. 3-12
2. Petra Perner, Detection of Hygiene-Relevant Parameters from Cereal Grains such as Mycotoxin based on Microscopic Imaging, Intelligent Image Processing and Data Minin, TRANSACTIONS ON MASS-DATA ANALYSIS OF IMAGES AND SIGNALS, Volume 12 - Number 1 - September 2021, 13--21