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MEETING POINT OF THE SCIENCE AND PRACTICE IN THE FIELDS OF
CORROSION, MATERIALS AND ENVIRONMENTAL PROTECTION

*STECIŠTE NAUKE I PRAKSE U OBLASTIMA KOROZIJE,
ZAŠTITE MATERIJALA I ŽIVOTNE SREDINE*

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Computer–aided decision–assistant system for diagnosis of different diseases

Računarski zasnovan sistem za asistenciju pri dijagnostici različitih oboljenja

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Abstract

The constant need to find an increasing number of diagnostic more selective techniques by which we would be able to determine an altered substrate as characteristic of the disease suspected is everyday clinical problem. It is important to note that diagnostic failure is the main cause of unnecessary costs that account for about 35% funds intended for healing in funds. The greatest number of people will experience at least one diagnostic error during their lifetime.

The already realized results concerning new invented UV-vis method and automatic classification of the obtained spectroscopic signals in diagnostics of different diseases led to the the invention and construction of Computer-Aided Decision-Assistant system for Diagnosis of Different Diseases. It was achieved by automatization of UV-vis signals of different body fluids without or with known official diagnosis. In the invention and construction of this system is included clinical work, the softwer and hardwer realization, design and logo. Results included into the realization of constructed prototype will be presented.

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