



INTERNATIONAL CONFERENCE

MEĐUNARODNA KONFERENCIJA

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*

PROCEEDINGS

KNJIGA RADOVA

Under the auspices of the
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGICAL
DEVELOPMENT OF THE REPUBLIC OF SERBIA

Pod pokroviteljstvom
MINISTARSTVO PROSVETE, NAUKE I TEHNOLOŠKOG RAZVOJA
REPUBLIKE SRBIJE

September 17-20, 2019 : : Tara Mountain, Serbia

CIP - Каталогizacija u publikaciji
Nародна библиотека Србије, Београд

620.193/197(082)(0.034.2)
621.793/795(082)(0.034.2)
667.6(082)(0.034.2)
502/504(082)(0.034.2)
66.017/018(082)(0.034.2)

МЕЂУНАРОДНА конференција ЈУКОР (21 ; 2019 ; Тара)

Stecište nauke i prakse u oblastima korozije, zaštite materijala i životne sredine [Elektronski izvor] : knjiga radova = Meeting point of the science and practice in the fields of corrosion, materials and environmental protection : proceedings / XXI YuCorr [Jugoslovenska korozija] Međunarodna konferencija = XXI YuCorr International Conference, September 17-20, 2019, Tara Mountain, Serbia ; [organizatori Udruženje inženjera Srbije za koroziju i zaštitu materijala ... [et al.] = [organized by] Serbian Society of Corrosion and Materials Protection ... [et al.] ; urednici, editors Miomir Pavlović, Miroslav Pavlović]. - Beograd : Udruženje inženjera Srbije za koroziju i zaštitu materijala UISKOZAM, 2019 (Beograd : Udruženje inženjera Srbije za koroziju i zaštitu materijala UISKOZAM). - 1 USB fleš memorija ; 12 cm

Sistemska zahtevi: Nisu navedeni. - Nasl. sa naslovne strane dokumenta. - Tiraž 200. - Bibliografija uz većinu radova. - Abstracts. - Registar.

ISBN 978-86-82343-27-1

а) Премази, антикорозиони -- Зборници б) Превлаке, антикорозионе -- Зборници в)
Антикорозиона заштита -- Зборници г) Животна средина -- Заштита -- Зборници д) Наука о
материјалима -- Зборници
COBISS.SR-ID 279136012

XXI YUCORR – International Conference | Međunarodna konferencija

PUBLISHED BY | IZDAVAČ

SERBIAN SOCIETY OF CORROSION AND MATERIALS PROTECTION (UISKOZAM)

UDRUŽENJE INŽENJERA SRBIJE ZA KORZIJU I ZAŠTITU MATERIJALA (UISKOZAM),

Kneza Miloša 7a/II, 11000 Beograd, Srbija, tel/fax: +381 11 3230 028, office@sitzam.org.rs; www.sitzam.org.rs

FOR PUBLISHER | ZA IZDAVAČA Prof. dr MIOMIR PAVLOVIĆ, *predsednik UISKOZAM*

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SCIENTIFIC AREA | OBLAST: CORROSION AND MATERIALS PROTECTION | KOROZIJA I ZAŠTITA MATERIJALA

PAGE LAYOUT | KOMPJUTERSKA OBRADA I SLOG: Marijana Pantović Pavlović, M.Sc.

CIRCULATION | TIRAŽ: 200 copies | primeraka

ISBN 978-86-82343-27-1

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

Računarski zasnovan sistem za asistenciju pri dijagnostici različitih oboljenja

Milka Avramov Ivić¹, S.D. Petrović², B. Reljin³, I. Reljin³, D. Mijin², S. Stevanović¹, J. Lović¹, D. Vuković⁴

¹*ICTM-Department of Electrochemistry, University of Belgrade, Njegoševa 12, 11000 Belgrade, Serbia*

²*Faculty of Technology and Metallurgy, University of Belgrade, Karnegijeva 4, 11000 Belgrade, Serbia*

³*Faculty of Electrical engineering, University of Belgrade, Bulevar kralja Aleksandra 73, Belgrade Serbia*

⁴*School of Medicine, University of Belgrade, Dr. Subotića 8, 11000 Belgrade, Serbia*

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.

Acknowledgements This reaserch was financed by the International projects EUREKA and Ministry of education and Science, Republic of Serbia (Grants No. EUREKA CADA E!9991 and EUREKA DIDIB E!13086)