ISBN 978-9940-611-06-4



II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY

PROCEEDINGS COAST 2023

FACULTY OF MANAGEMENT HERCEG NOVI

HERCEG NOVI, MONTENEGRO

31 MAY - 03 JUNE 2023

ORGANIZER



FAKULTET ZA MENADŽMENT HERCEG NOVI

II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY

PROCEEDINGS COAST 2023

CO-ORGANIZERS

II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY COAST 2023































PARTNERS

II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY **COAST 2023**





Elektroprivreda Crne Gore

Zdravstvena ustanova Apoteke Crne Gore "Montefarm"



Turistička organizacija Herceg Novi



II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY COAST 2023

Book title:

Proceedings COAST 2023

Publisher:

Faculty of Management Herceg Novi

Editorial board:

Djordje Jovanović, PhD, Editor-in-Chief Irena Petrušić, PhD Jovana Jovanović, PhD Ivan Stevović, PhD

Design and Computer processing:

Sanja Samardžić, MSc, Jelena Poznanović, MSc, Zvonko Perušina, BSc

CIP - Каталогизација у публикацији Национална библиотека Црне Горе, Цетиње

INTERNATIONAL conference on advances in science and technology (II; 2023; Herceg Novi)

Proceedings/International conference on on advances in science and technology, Herceg Novi, 31 May - 03 June, 2023 = Zbornik radova / Međunarodna konferencija o savremenim dostignućima u nauci i tehnologiji, Herceg Novi, 31 maj - 03 jun 2023. godine : Fakultet za menadžment, 2023 (Herceg Novi). - 1421 стр. : илустр.

Радови на срп. и енгл. језику. - Текст ћир. и лат. - Напомене и библиографске референце уз текст. - Библиографија уз сваки рад. - Сажеци на енгл. и срп. језику уз радове.

ISBN **978-9940-611-06-4**COBISS.CG-ID **27152388**

II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY COAST 2023

Organizing Committee:

General Chair of the Committee: Djordje Jovanović, PhD; Chairs of the Committee: Irena Petrušić, PhD, Jovana Jovanović, PhD; Secretary of the Committee: Sanja Samardžić, MSc; Coordinators of the Committee: Nikša Grgurević, PhD, Jelena Poznanović, MSc

Beznosova Maria Ivanovna, PhD, Bulatović Dragan, PhD, Đurić Dušan, PhD, Jovanović Jovana, PhD, Kartseva Aleksandra, PhD, Kirkorova Lyudmila Alexandrovna, PhD, Klarić Dragan, PhD, Koprivica Suzana, PhD, Koščak Marko, PhD, Kusovac Siniša, PhD, Milošević Danijela, PhD, Tsoy Marina Evgenievna, PhD, Deretić Žaklina, MSc, Jovanović Mihailo, MSc, Lučić Nataša, MSc, Milanović Duško, MSc, Niković Vuk, MSc MD, Radojičić Marko, MSc, Vlaović Željko, MSc, Braunović Tea, Spec. Sci, Savić Dragana, Spec. Sci

Scientific and Program Committee:

Abramović Nikola, PhD (MNE), Faculty of Business Economics and Law, Bar; Aničić Jugoslav, PhD (SRB), University "Union - Nikola Tesla", Belgrade; Barsukova Natalia Valerievna, PhD (RUS), Peter the Great St. Petersburg Polytechnic University; Beznosova Maria Ivanovna (RUS), Candidate of economic sciences, Associate Professor, Department of International Cooperation and public relations of Udmurt State University, St. Petersburg; Biočanin Vladimir, PhD (SRB), Faculty of Medical Sciences, University of Kragujevac; Blagojević Marija, PhD (SRB), Faculty of Technical Sciences, University of Kragujevac, Čačak; Božilović Zvonimir, PhD (SRB), University "Union - Nikola Tesla", Belgrade; Brumen Boštjan, PhD (SVN), Faculty of Tourism, University of Maribor; Bulatović Dragan, PhD (MNE), Faculty of Management, Herceg Novi; Chunxia Luo, PhD (CHN), Confucius Institute; Dašić Goran, PhD (SRB), Modern Business School, Belgrade, Serbia; Dimitrova Vesna, PhD (MKD), Cyril and Metodius University, Skopje; Djurašević Silvana, PhD (MNE), Faculty of Management, Herceg Novi; Djurčić Dragan, PhD (SRB), Faculty of Technical Sciences, University of Kragujevac, Čačak; Djurić Djuro, PhD (MNE), Faculty of Business Economics and Law, Bar; Djurić Dušan, PhD (SRB), Faculty of Medical Sciences, University of Kragujevac; Djurić Sonja, PhD (ESP), University of Valencia, Spain; Djurović Sandra, PhD (MNE), Faculty of Business Economics and Law, Bar; Dupláková Darina, PhD (SVK), Technical University of Kosice, Faculty of Manufacturing Technologies with a seat in Prešov, Institute of Advanced Technologies, Prešov, Slovakia; Gouschina Anna, PhD (RUS), Head of International Relations Dept., Novosibirsk State Technical University; Grgurević Nikša, PhD (MNE), Faculty of Management, Herceg Novi;

II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY COAST 2023

Grigorieva Natalia Olegovna, PhD (RUS), ICLINIC Medical Center, St. Petersburg; Iskakov Irlan Zhangazyevich, PhD (RUS), University at the Inter-Parliamentary Assembly EurAsEC, St. Petersburg; Jaganjac Jamila, PhD (BIH), Faculty of Business Economics, University Vitez, Travnik; Jovanović Jovana, PhD (MNE), Faculty of Management, Herceg Novi; Jovanović Djordje, PhD (MNE), Faculty of Management, Herceg Novi; Jovković Ljiljana, PhD (SRB), MB University, Belgrade; Jurakić Marko, PhD (HRV), Vimal Academy for Human Resources Development, Zagreb; Karabegović Edina, PhD (BIH), Technical Faculty of the University of Bihać; Karabegović Isak, PhD (BIH) Academician of Academy of Sciences and Arts of BIH; Kartseva Aleksandra, PhD (RUS), University at the Inter-Parliamentary Assembly EurAsEC, St. Petersburg; Kartoshkin Alexandr Petrovich, PhD (RUS), Saint-Petersburg State Agrarian University; Kirkorova Lyudmila, PhD (RUS), Yaroslav-the-Wise Novgorod State University, Veliky Novgorod; Kirovska Zanina, PhD (MKD), Integrated Business Institute, Skopje; Kirsanova Natalia Pavlovna, PhD (RUS), University at the Eurasec Interparliamentary Assembly, St. Petersburg; Klarić Dragan, PhD (MNE), Faculty of Management, Herceg Novi; Koščak Marko, PhD (SVN), Faculty of Tourism, University of Maribor; Kuzminykh Olga Borisovna, PhD (RUS), University at the Inter-Parliamentary Assembly EurAsEC, St. Petersburg; Kostić Vasilije, PhD (MNE), Faculty of Management, Herceg Novi; Koprivica Suzana, PhD (SRB), University "Union - Nikola Tesla", Belgrade; Kusovac Siniša, PhD (MNE), Faculty of Management, Herceg Novi; Liehuang Zhu, PhD (CHN), Beijing Institute of Technology, Beijing; Lučić Milo, PhD (MNE), Faculty of Management, Herceg Novi; Lukić Nikolić Jelena, PhD (SRB), Modern Business School, Belgrade, Serbia; Maksimović Sekulić Nina, PhD (SRB), Modern Business School, Belgrade, Serbia; Markuz Ana, PhD (HRV), Libertas International University, Zagreb, Croatia; Martinović Srdja, PhD (MNE), Faculty of Law, University of Montenegro, Podgorica; Mašović Azemina, PhD (MKD), Integrated Business Faculty, Skopje; Mihajlović Milan, PhD (SRB), Modern Business School, Belgrade, Serbia; Milošević Danijela, PhD (SRB), Faculty of Technical Sciences Čačak, University of Kragujevac; Mirović Dejan, PhD (MNE), Faculty of Business Economics and Law, Bar; Moskvicheva Yelena Vladimirovna, PhD (RUS), Peter the Great St. Petersburg Polytechnic University; Novićević Rajko, PhD (MNE), Faculty of Business Economics and Law, Bar; Omarova Natalia Yurievna, PhD (RUS), Department of Economics, Yaroslav-the-Wise Novgorod State University, Veliky Novgorod; Ostojić Bojana, PhD (SRB), Faculty of Project and Innovation Management, Belgrade; Pavlović Vladan, PhD (SRB), Faculty of Economics,

II INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY COAST 2023

University of Pristina; Pepić Siniša, PhD (GBR), Apsley Business School, London; Petrušić Irena, PhD (MNE), Faculty of Management Herceg Novi; Pločo Maja, PhD (BIH), Faculty of Law, University Vitez, Travnik; Regazzoni Francesco, PhD (CHE), Università della Svizzera italiana, Lugano, Switzerland; Rumyantseva Anna, PhD (RUS), St. Petersburg University of Management Technologies and Economics, Saint-Petersburg; Rusakov Arkady Yurievich, PhD (RUS), Doctor of Philosophy, Professor, Department of Project Activities in Cinematography and Television, Saint Petersburg State Institute of Film and Television, Saint-Petersburg; Sadlak Jan, PhD (BEL), IREG Observatory on Academic Ranking and Excellence, Brussels; Stevović Ivan, PhD (SRB), Innovation Center of the Faculty of Mechanical Engineering, University of Belgrade; Tsoi Marina Evgenievna, PhD (RUS), head Department of Marketing and Service, Ph.D. Econ. Sciences, Associate Professor, Novosibirsk State, Technical University; Virijević Jovanović Saša, PhD (SRB), Modern Business School, Belgrade, Serbia; Vukasović Vlado, PhD (MNE), Faculty of Management, Herceg Novi; Xiaoqin Sun, PhD (CHN), Changsha University of Science and Technology, Changsha.

NOTE:

The authors have full responsibility for the originality and content of their own papers.

CONTENT SADRŽAJ

Inženjerstvo, tehnologija i materijali
Engineering, technology and materials
ARSENIC (V) REMOVAL FROM WATER USING MAGNETITE NANOPARTICLES BIO-LINKED WITH APPLE PEEL WATER EXTRACT 2
Mirjana Petronijević, Sanja Panić, Aleksandra Cvetanović Kljakić, Nenad Grba, Malcolm Watson
RATIONALIZATION OF ILLUMINATION UNIFORMITY FOR LED LIGHT FITTING AT THE WORKPLACE USING THE DIGITAL SOFTWARE SOLUTION10
Darina Dupláková, Ján Duplák, Dejan Kojic, Enes Sukic
TEMPERATURE CONDITIONS INFLUENCE ON THE CHANGE IN THE INITIAL VELOCITY OF THE 6.5 MM GRENDEL PROJECTILE
Miloš Pešić, Marko Miljković, Vladimir Kočović, Živana Jovanović Pešić, Nikola Jović, Suzana Petrović Savić, Dragan Džunić
MATERIALS IN 3D PRINTING
Strahinja Djurović, Dragan Lazarević, Milan Mišić, Bojan Stojčetović, Zivče Šarkoćević
A DETECTION OF CHANGES IN THE IMAGE USING FRACTAL ANALYSIS 37
Nataša Milosavljević, Nebojša Ralević, Ljubo Nedović, Vladimir Ilić, Bratislav Iričanin
DETERMINATION OF EMULSIFYING PROPERTIES OF BIOPOLYMER PRODUCED ON GLYCEROL-BASED MEDIUM BY LOCAL XANTHOMONAS ISOLATE
Ida Zahović, Jelena Dodić, Zorana Trivunović
RAZVOJ PROGRAMA ZA ADMINISTRIRANJE RADNIH NALOGA U PROIZVODNJI ŽICE57
Blagodar Lovčević, Miodrag Milićević, Mladen Lovčević, Stefan Simić
OSMOTSKI TRETMAN LISTA KOPRIVE (<i>URTICA DIOICA</i>) U RASTVORU SAZHAROZE I NATRIJUM-HLORIDA66
Violeta Knežević,Milica Nićetin, Biljana Lončar,Vladimir Filipović, Ružica Tomičić Jelena Filipović
THE CONTEMPORARY FUNCTION OF THE BROWNFIELD- CASE ANALYSIS OF THE MUSIC SCHOOL IN NOVI PAZAR77
Lejla Zecirovic, Melisa Alcan, Enis Hasanbegovic, Danilo Dragovic, Aladin Zecirovic
SAVREMENI RAZVOJ EKOLOŠKI PRIHVATLJIVOG PROIZVODA87
Miloš Ristić, Milan Pavlović, Biljana Milutinović, Petar Đekić, Gordana Jović, Milan Nikolić

USE OF OIL RESIDUES FROM OILSEEDS PROCESSING IN FUNGAL PROTEOLYTIC ENZYMES PRODUCTION
Marko Zeljko, Nemanja Špirić, Ida Zahović, Zorana Trivunović, Jelena Dodić
SAVREMENE ZAŠTITNE KOMPONENTE I METODE ISPITIVANJA NISKONAPONSKIH ELEKTRIČNIH INSTALACIJA KAO PREVENTIVNA ZAŠTITA OD POŽARA108
Nedžad Hadžiefendić, Jovan Trifunović
POSSIBILITIES OF CONSTRUCTION IMPROVEMENT OF THE COMBINED VALVE FOR DISTRICT HEATING SYSTEMS120
Biljana Milutinović, Petar Đekić, Miloš Ristić, Milan Pavlović
VINSKI TURIZAM NA PODRUČJU SJEVERNE HRVATSKE 127
Antonija Ivančić, Damira Tkalec, Igor Klopotan
VIRTUAL POWER PLANT: CHALLENGES AND OPPORTUNITIES 137
Uroš Ilić, Novak Radivojević, Miona Andrejević Stošović
APPLICATION OF ADDITIVE TECHNOLOGIES IN PRODUCT DEVELOPMENT PROCESS OF COOLER FOR RASPBERRY PI147
Milan Pavlović, Miloš Ristić, Biljana Milutinović, Petar Đekić, Jelena Stevanović
APPLICATION OF VIRTUAL MODELS IN THE DESIGN OF A ROBOTIC GRIPPER
Ivan Milicevic, Vojislav Vujičić, Milan Marjanovic, Nedeljko Dučić, Marko Popović
NUTRITIONAL AND FUNCTIONAL PROFILE OF WILD GARLIC OSMOTICALLY DEHYDRATED IN SUGAR BEET MOLASSES168
Milica Nićetin, Violeta Knežević, Filipović Vladimir, Biljana Cvetković, Biljana Lončar, Šobot Kosana, Jelena Filipović Računarstvo i informacione tehnologije
Computer science and information technology
PREDICTION OF HOTEL RESERVATION CANCELLATION BASED ON MACHINE LEARNING MODELS180
Katarina Karić, Nenad Stefanović, Katarina Mitrović
THE USE OF VIRTUAL AND AUGMENTED REALITY IN DIGITAL MARKETING191
Svetlana Kralj, Tatjana Mamula Nikolić; Mateja Vukašinović
THE INFORMATICS ASPECT INTEGRATION OF PROCESSING APPROACH OF QMS202
Nataša Gojgić, Vesna Ružičić, Marija Nikolić
USING 3D PRINTERS TO IMPROVE SPATIAL VISUALIZATION IN TEACHING ENGINEERING GRAPHICS207

Anđelija Mitrović, Maja Radović, Milica Tomić
GRAFIČKA INTERPRETACIJA КАРАКТЕРИСТИКА MAGNETNIH KOLA, ACИНХРОНЕ MAШИНЕ I PRIKAZ STANDARDNIH TIPOVA ELEKTROMOTORNIH POGONA PRIMENOM GEOGEBRA SOFTVERSKE PODRŠKE215
Miroslav Bjekić, Marko Rosić
INDUSTRIAL ROBOT SELECTION BY USING FUZZY WISP METHOD 225
Dragiša Stanujkić, Darjan Karabašević, Muzafer Saračević
CREATION OF ANIMATIONS AND MOVEMENT CONTROL IN FLASH 232
Miodrag Milićević, Blagodar Lovčević, Danijel Čabarkapa
CLICKER: AN ONTOLOGY DRIVEN PLATFORM FOR E-ASSESSMENT 241
Maja Radović, Nenad Petrović, Milorad Tošić
PROBDISTID: A WEB-BASED TOOL FOR IDENTIFYING AND PARAMETER ESTIMATION OF PROBABILITY DISTRIBUTIONS251
Dragiša Miljković, Siniša Ilić, Branimir Jakšić, Dragana Radosavljević
REŠAVANJE PROBLEMA LINEARNOG PROGRAMIRANJA PRIMENOM SOFTVERA WINQSB259
Jelena R. Jovanović
IMPLEMENTATION OF AN ADAPTIVE CONTENT-BASED IMAGE RETRIEVAL SYSTEM FOR SEARCHING IMAGES BASED ON COLOR HISTOGRAMS268
Nikola Vukotić, Slavimir Stošović
MODEL AUTA NA DALJINSKO UPRAVLJANJE BAZIRAN NA ARDUINO PLATFORMI279
Petar Zidar, Jurica Trstenjak, Mirjana Trstenjak
GENETIC ALGORITHMS AS ARTIFICIAL INTELLIGENCE SUPPORT TO SUSTAINABLE OPTIMIZATIONS OF COMPLEX SYSTEMS287
Ivan Stevović, Jovana Jovanović
APPLICATION OF NEURAL NETWORK MODEL IN PEDIATRIC HEMODIALYSIS FOR OVERHYDRATION PREDICTION: A CASE STUDY OF ARTIFICIAL INTELLIGENCE IN HEALTHCARE293
Danijela Milošević, Vladimir Mladenović, Marija Blagojević, Katarina Mitrović
Biologija, fizika, hemija, matematika
Biology, physics, chemistry, matematics
SYNTHESIS, CHARACTERIZATION AND KINETIC STUDIES OF NEW MONONUCLEAR RUTHENIUM(II) POLYPYRIDYL COMPLEXES311
Ana Rilak Simović, Milica Međedović, Biljana Petrović

H NMR STUDY OF THE REACTIONS BETWEEN DINUCLEAR PLATINUM(II) COMPLEXES AND GUANOSINE-5'-MONOPHOSPHATE320
Snežana Rajković, Marija D. Živković, Anđela A. Franich
RADIOACTIVITY MEASUREMENTS OF FISH SAMPLES FROM SERBIAN MARKETS330
Milena Živković, Tijana Veličković, Glorija Ćirković, Tatjana B. Miladinović, Predrag Simović, Dragana Krstić, Aleksa Đurđević
BIO-MODIFIKOVANE UREA-FORMALDEHIDNE SMOLE: SADRŽAJ SLOBODNOG I OSLOBOĐENOG FORMALDEHIDA335
Mirjana Ristić, Suzana Samaržija-Jovanović, Vojislav Jovanović, Marija Kostić, Tamara Erceg, Tijana Jovanović, Gordana Marković, Milena Marinović-Cincović
O TOTALNOJ INTEGRABILNOSTI
Branko Sarić
LUMINESCENT PROPERTIES OF PRASEODYMIUM-DOPED PHOSPHATE TUNGSTEN BRONZE353
Ljubinka Joksović, Tijana Makismović, Rik Van Deun, Dimitrije Mara, Maja Pagnacco
SYNTHESIS, CHARACTERIZATION AND HSA/DNA INTERACTIONS OF NEW [RH ₂ (CH ₃ COO) ₄ L ₂)] COMPLEX
Marija S. Ristić, Maja B. Đukić, Ignjat P. Filipović, Marko D. Radovanović, Zoran D. Matović
COSMIC RAY FLUX-APPLICATIONS AND MEASUREMENTS
Gordana Jovanović
ALGAL FLORA OF CRVENE BARE PEAT BOG (MT. KOPAONIK, SERBIA) 376
Sanja Šovran, Jovana Stajić, Ana Knežević, Olga Jakovljević, Jelena Krizmanić, Predrag Lazarević
RJEŠAVANJE PROBLEMA JEDNAČINA MATEMATIČKE FIZIKE PARABOLIČNOG TIPA POMOĆU FOURIEROVIH REDOVA385
Irma Ibrišimović, Elvir Čajić, Ajša Hrustić, Damir Bajrić, Julija Šćekić
SYNTHESIS AND CHARACTERIZATION OF PLATINUM(IV) COMPLEX WITH 2-AMINO-6-CHLOROBENZOTHIAZOLE
Danijela Lj. Stojković, Verica V. Jevtić, Đorđe S. Petrović, Sandra S. Jovičić Milić
SYNTHESIS, CHARACTERIZATION NOVEL LIGAND AND CORRESPONDING COMPLEX WITH PALLADIUM(II) IONE. DNA/HSA BINDING OF PALLADIUM(II) COMPLEX
Đordje Petrović, Verica Jevtić, Sandra Jovičić Milić, Maja Đukić, Danijela Stojković
TEMPERATURE PATTERN MEASUREMENTS IN BRIGGS-RAUSCHER OSCILLATORY REACTION WITH THE STATE I TO THE STATE II TRANSITION411

Marina Simović Pavlović, Tijana Maksimović, Jelena Maksimović, Jelena Senćanski, Aleksandra Radulović, Maja Pagnacco
STRUCTURED LIGHT FOR LASER PROCESSING OF POLARIZATION- SENSITIVE MATERIALS417
Alexey Porfirev, Svetlana Khonina, Nikolay Ivliev, Denis Porfirev
ISPITIVANJE EFIKASNOST IZLUŽENJA UKUPNOG HROMA IZ PRAŠINASTE ILOVAČE428
Marina Uđilanović, Andrija Ćirić, Vesna Krstić
A NOTE ON SYMMETRIC STATISTICAL MANIFOLDS435
Mirjana Milijević
Medicinske, biomedicinske i farmaceutske nauke
Medical, biomedical and pharmaceutical sciences440
ANTIMICROBIAL ACTIVITY OF OS(II) COMPLEXES CONTAINING N,N,N-INERT LIGANDS DERIVATES OF PYRAZYL-PYRIDINE441
Jovana V. Bogojeski, Angelina Z. Caković, Biljana Petrović, Snežana Jovanović Stević, Ana Đeković, Snežana Radisavljević, Dušan Ćoćić, Snežana Sretenović, Ivana R. Raković, Ivana D. Radojević, Katarina G. Marković, Mirjana Ž. Grujović
METHODS FOR EGFR VARIANTS ANALYSIS IN NSCLC PATIENTS 448
Jasmina Obradović, Vladimir Jurišić
A COMPARISON OF THREE DOSIMETRIC PATIENT QUALITY ASSURANCE TOOLS FOR PRECISION RADIOTHERAPY OF HEAD AND NECK CANCER
Tatjana B. Miladinović, Neda Milosavljević, Marija Živković Radojević, Milena Živković, Aleksandar Miladinović, Dragana Krstić
MOLECULAR DOCKING STUDY OF SELECTED NUSBIARYLINS AS POTENTIAL NONCOVALENT INHIBITORS OF SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 MAIN PROTEASE462
Miloš Nikolić, Ognjen Milić, Nikola Nedeljković, Marina Mijajlović, Marko Karović, Dijana Bojović, Ana Živanović
ARYLALKANOIC ACID DERIVATIVES OF NSAIDS AS POTENTIAL INHIBITORS OF MICROGLIAL ACTIVATION IN NEUROINFLAMMATION – MOLECULAR DOCKING STUDY473
Nikola Nedeljković, Miloš Nikolić, Marina Mijajlović, Dušan Tomović, Jelena Dimitrijević, Gordana Radić
EVALUATION OF THE BINDING BEHAVIOR OF NUDT5 INHIBITORS WITH ESTROGEN RECEPTORS: MOLECULAR DOCKING STUDY482
Marina Mijajlović, Nikolina Stanišić, Nikola Nedeljković, Miloš Nikolić, Andriana Bukonjić, Anđela Gogić
ISTRAŽIVANJE PRAVILNE PRIMENE ANTIBIOTIKA U STOMATOLOGIJI 492

2nd International Conference "CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY" COAST 2023

31 May - 03 June 2023 HERCEG NOVI, MONTENEGRO

Zoran Tambur, Ema Aleksić, Jovana Milutinović, Stevan Avramov, Adam Malešević, Vladimir Biočanin
RESISTANCE OF BACTERIAL ISOLATES FROM URINE CULTURES TO ANTIBIOTICS
Gordana Jovanović, Ana Vasić, Bojan Damnjanovic, Aleksandra Krsmanovic, Dragica Đurđević-Milošević, Milan Teodorović, Biljana Pavlović
Ekonomija, menadžment, turizam i hotelijerstvo
Economy, management, tourism and hospitality
ON THE QUESTION OF THE ESSENCE OF OUTSOURCING SERVICES IN THE CONDITIONS OF A STABLE BALANCED REGIONAL DEVELOPMENT 528
Vladislav Bessarabov, Larysa Tymchyna
TRAVEL ADVERTISING IN THE BALKAN POSTERS AND DIGITAL MEDIA535
Svitlana Pryshchenko, Nikola Vukčević
EFEKAT DIGITALNOG MARKETINGA NA PRIVLAČENJE NOVIH STUDENATA U VISOKOM OBRAZOVANJU546
Bojana Ostojić, Jelena Ružić, Ljiljana Berezljev
PRIMENA STANDARDA ISO 9001:2015 U POSLOVANJU ŠPEDICIJE 559
Dragan Rajković, Aleksandar Marić, Saša Vasiljević
INSTITUCIONALNE MOGUĆNOSTI BRŽEG RAZVOJA DIGITALNOG PREDUZETNIŠTVA571
Slaviša Trajković, Krsto Jakšić
RAST I REFORMSKI NAPREDAK TRANZICIONIH DRŽAVA JIE IZMEĐU DVE RECESIJE581
Edvard Jakopin
EMPIRIJSKA ANALIZA DOHODOVNE KONVERGENCIJE EVROPSKIH TRANZICIONIH EKONOMIJA KA EU-15592
Tijana Tubić Ćurčić
TRENDOVI U DIGITALNOM UPRAVLJANJU LJUDSKIM RESURSA U HOTELIJERSTVU608
Jovan Momirski, Ivana Brdar
PROFITABILITY OF COMPANIES FROM BELEX-LINE AND MONEX INDICES – DOES EFFECTIVE TAX RATE MAKE DIFFERENCE?
Nemanja Karapavlović, Stefan Vržina
THE IMPORTANCE OF USING E-BANKING IN COSTUMER SATISFACTION
Arber Imeri

THE APLICATION OF ELECTRONIC COMMERCE TO SMES IN KOSOVO 636
Donike Ramaj
THE ROLE OFMOTIVATION IN THE MANAGEMENT OF HUMAN RESOURCES IN THE PRIVATE SECTOR646
Valbone Ramaj, Donike Ramaj
THE IMPACT OF MARKETING ON THE RECRUIMENT PROCESS IN THE INFORMATION AND COMUNICATION TECHNOLOGY SECTOR IN KOSOVO
Vehbi Ramaj, Donike Ramaj
COSTUMER SATISFACTION THROUGH RELATIONSHIP MARKETING 668
Vivianit Fejza
TRENDS AFFECTING THE EVOLUTION OF LOGISTICS AND SUPPLY CHAIN SUSTAINABILITY
Goran Milovanović, Slavoljub Milovanović, Jovica Stanković
VENTURE CAPITAL FUNDS AS SOURCE OF ALTERNATIVE FINANCING THE GROWTH AND DEVELOPMENT OF STARTUP COMPANIES IN THE REPUBLIC OF SERBIA
Nikola Radosavljević, Cariša Bešić, Gordana Rendulić Davidović, Mirko Pešić
RURAL TOURISM AS A DRIVER OF RURAL DEVELOPMENT702
Aleksandra Karceva
SCOPE AND CHALLENGES OF ARTIFICIAL INTELLIGENCE APPLICATION IN ACCOUNTING713
Milica Đorđević, Bojana Novićević Čečević, Marina Stanojević
BRANDING OF BELGRADE NIGHTLIFE'S ORGANIC CAPACITY725
Enis Hasanbegović, Melisa Alcan, Lejla Zećirović, Džemila Beganović
EVALUATING INTANGIBLE PROJECT MANAGEMENT ASSETS: EMPIRICAL EVIDENCE IN SERBIAN CONTEXT737
Marijana Bugarčić
STVARANJE VREDNOSTI KROZ SPAJANJA I PRIPAJANJA TOKOM GLOBALNE EKONOMSKE NEIZVESNOSTI748
Stefan Koprivica
ACQUA ALTA AS TOURISTIC AND MEDIA SPECTACLE OF VENICE 757
Melisa Alcan, Enis Hasanbegović, Lejla Zećirović Danilo Dragović
MENADŽMENT LJUDSKIH RESURSA U FUNKCIJI EFIKASNIJEG POSLOVANJA BANAKA765
Dejan Antanackovi, Srđan Skorup, Ivan Lazović

DESTINACIJE I USPOREDBA S CRNOM GOROM773
Danijel Carev
SPECIFIČNOSTI POSLOVANJA HOTELSKIH KOMPANIJA U CRNOJ GORI793
Vasilije Kostić, Duško Milanović
SAVREMENE TEMDENCIJE U TURIZMU 813
Anđela Rašković
ASSESSMENT OF DIGITAL ECONOMY AND SOCIETY INDEX (DESI) DIMENSIONS USING MCDM METHODS828
Sanela Arsić, Milena Gajić, Đorđe Nikolić, Isidora Milošević, Anđelka Stojanović
THE ACQUISITION OF INTERCULTURAL COMMUNICATION AND COMPETENCE OF TOURISM MANAGERS844
Jagotka Strezovska, Lidija Simonceska
MANAGIING THE CHANGES IN OHRID'S HOTEL OFFER THROUGH BOUTIQUE HOTELS854
Lidija Simonceska , Jagotka Strezovska
ZNAČAJ MANIFESTACIJSKOG TURIZMA NA PRIMJERU TENISKOG SAVEZA CRNE GORE867
Dragan Klarić, Dragan Bulatović
NEUROMARKETING RESEARCH AND THEIR APPLICATION IN EFFECTIVE ADVERTISING STRATEGY885
Aleksandar Mihajlović, Jelena Gajić, Tamara Papić
HOFSTEDE'S DIMENSIONS OF NATIONAL CULTURE IN THE FUNCTION OF IMPROVING ENTREPRENEURIAL ACTIVITIES895
Gordana Nikčević
RAZVOJ FINANSIJSKOG IZVEŠTAVANJA U FUNKCIJI MENADZMENTA JAVNOG SEKTORA907
Dragan Vukasović, Ognjen Bakmaz, Darko Martinov
UTICAJ MARKETINŠKIH AKTIVNOSTI NA BRENDIRANJE SPORTA 915
Bojana Ostojić, Dragan Klarić
POSLOVNI I VIRTUELNI INKUBATORI KAO POKRETAČI RAZVOJA PREDUZETNIŠTVA929
Nikša Grgurević
Pravne i političke nauke, sociologija, psihologija
Legal and political sciences, sociology, psychology

PREDAJA DJETETA KAO RADNJA PROVOĐENJA IZVRŠNOGA POSTUPKA
935
Jasmina Tahirović, Adis Mehić
RADNOPRAVNI I DRUŠTVENI ASPEKTI DISKRIMINACIJE ŽENA PRI ZAPOŠLJAVANJU I NA RADU942
Siniša Bilić, Ivica Opačak, Mate Budimir
PERSPEKTIVE HUMANISTIČKOG VASPITANJA U KONTRASTIMA SAVREMENOG DRUŠTVA949
Krsto S.Vuković
ANGAŽOVANJE POLICIJSKIH SLUŽBENIKA NA DODATNIM POSLOVIMA
Željko Spalević, Ljubiša Konatar
AKTIVNOSTI MENADŽMENTA PENALNIH USTANOVA U TRETMANU OSUĐENIH LICA KROZ RADNO ANGAŽOVANJE979
Aco Bobić, Dražan Erkić, Isidora Milošević
Humanističke nauke: filozofija, filologija, istorija, teologija
Humanities: philosophy, philology, history, theology990
AKTIVIZAM STUDENATA U ZAJEDNICI – ULOGA UNIVERZITETA U RAZVOJU GRAĐANSKOG AKTIVIZMA991
Stanislava Marić Jurišin, Bojana Marković, Borka Malčić
INTEGRITY ADVISOR IN PUBLIC ADMINISTRATION: HANDLING A REPORTED INCIDENT OF SEXUAL HARRASSMENT
Evaggelia Kiosi
A (POTENTIAL) LIFESPAN OF A METAPHOR: THE CASE OF A BANK 1010
Nina Manojlović
PERCEPCIJA STUDENATA/STUDENTKINJA O PROFESIJSKIM IMENICAMA ŽENSKOG RODA1018
Milena Burić, Milena Lipovina-Božović, Milijana Novović-Burić
WAY OF THINKING AND SKILLS AS CHALLENGES IN A TURBULENT BUSINESS ENVIRONMENT
Tatjana Mamula Nikolić, Svetlana Kralj
AN ETHICS FOR EMERGING TECHNOLOGIES 1046
Ivana Luknar, Filip Jovanović
THE INTERWEAVING AND CROSSINGS OF HISTORY AND FICTION IN POSTMODERN LITERATURE: FOWLES'S THE FRENCH LIEUTENANT'S WOMAN AS A REVISIONARY HISTORICAL NOVEL
Nataša V. Ninčetović

MULTI-FACETED IRONY IN KAZUO ISHIGURO'S NOCTURNES 1	065
Tijana Matović	
ROMKINJE U SVETU PREDUZETNIŠTVA: MOGUĆNOSTI I IZAZOVI AKTIVNU PARTICIPACIJU I JAČANJE SOCIO-EKONOMSKE RESURS BAZE1	SNE
Marina Nedeljković, Jovana Škorić	
FAKTORI MOTIVACIJE U MARKETING TIMU1	085
Saška Stojanović, Anđela Golubović, Milan Gačević	
SOCIAL AND HUMANITARIAN DIMENSION OF THE MEANING EVOLUTIOF THE RUSSIAN CINEMATOGRAPHY1	
Arkady Rusakov	
EMOTIONAL INTELLIGENCE AS A SOURCE OF TRANSFORMATION LEADERSHIP BEHAVIORS1	
Nenad Mihajlov, Snežana Mihajlov, Slaviša Stojanović	
TEATAR POTLAČENIH - IZMEĐU POZORIŠNE PRAKSE I SREDSTAVA DRUŠTVENU PROMENU1	
Enis Hasanbegović, Melisa Alcan, Danilo Dragović, Vesna Ravić	
A CRITICAL REVIEW OF THE INFLUENCE OF SOCIETY, RELIGION A POLITICS ON CULTURAL-HISTORICAL OBJECTS IN NOVI PAZAR (CASTUDY OF THE ARAB MOSQUE)1	ASE
Melisa Alcan, Enis Hasanbegović, Džemila Beganović ,Vesna Ravić	
TEHNOLOGIJA KAO SILA DESTRUKCIJE U PESNIŠTVU TOMASA STERN ELIOTA1	
Tomislav Pavlović	
"KNJIŽEVNA KLINIKA": TUMAČENJE I/ILI UPOTREBA KNJIŽEVI TEKSTOVA U BIBLIOTERAPIJI1	
Jovana Pavićević	
MOTIVACIJA U UČENJU ENGLESKOG KAO DRUGOG JEZIKA: STUD SLUČAJA – FAKULTET ZA MENADŽMENT1	IJA 172
Irena Petrušić, Jelena Poznanović	
Održivi razvoj, ekologija, energetska efikasnost i obnovljivi izvori energije	
Sustainable development, ecology, energy efficiency and renewable energy sour	
ZNAČAJ PRIMENE SAVREMENE MEHANIZACIJE NA ŽIVINARSK FARMAMA U FUNKCIJI ODRŽIVOG RAZVOJA U SRBIJI1	ΚIM
Suzana Knežević, Jelena Ignjatović, Milena Milojević, Goran Stanišić	

COMPARISON FUZZY AND INTERVAL TYPE-2 FUZZY SETS APPROACH IN DECISION FOR DEVELOPING SMART CITIES1192
Mimica Milošević, Dušan Milošević
BIOPLIN KAO ENERGETSKI RESURS
Mirsad Đonlagić, Dalila Ivanković, Fuad Ćatović
THERMO-HYDRAULIC PERFORMANCE OF A SOLAR DOMESTIC WATER HEATER
Snežana Dragićević
ANALIZA MJERNE KAMPANJE ZA VJETROELEKTRANU VUČIPOLJE 1225
Sandra Antunović Terzić, Slobodanka Jelena Cvjetković, Siniša Zorica, Toni Karabatić, Vlaho Cvjetković
SPAJANJE FOTONAPONSKIH SUSTAVA NA MREŽU1236
Marinko Lipovac, Siniša Zorica, Slobodanka Jelena Cvjetković, Ivan Papučić, Predrag Đukić
UTICAJ POLOŽAJA I ORIJENTACIJE STANA NA NJEGOVE ENERGETSKE PERFORMANSE1247
Branko Slavković, Budimir Sudimac, Danilo Dragović
THE BUILDING TECHNOLOGY OF PASSIVE AND LOW-ENERGY HOUSEHOLDS1255
Jovana Jovanović, Ivan Stevović
A REVIEW PAPER ON IOT SOLUTIONS FOR OUTDOOR ENVIRONMENTAL MONITORING1262
Marko Marković, Goran Marković, Mladen Koprivica
SUSTAINABILITY IN THE PROSESS OF EDUCATIONIN CIVIL ENGINEERING1273
Ivan Stevovic, Jovana Jovanovic
Edukacija, online edukacija - eLearning
Education, online education – eLearning
POTREBE PREISPITIVANJA I MIJENJANJA SISTEMA VASPITANJA, OBRAZOVANJA I ŠKOLSKOG SISTEMA1283
Muzafer Bibić
ZNAČAJNI KVANTITATIVNI POKAZATELJI POSTIGNUĆA STUDENATA U ISPITNIM ROKOVIMA1306
Tatjana Bajić, Ljiljana Stankov, Mira Jovanović, Sanja Vuletić
EMOTIONAL ENGAGEMENT IN LEARNING ENGLISH AS A FOREIGN LANGUAGE DURING COVID-19 PANDEMIC1318
Zrinka Fišer

2nd International Conference "CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY" COAST 2023

31 May - 03 June 2023 HERCEG NOVI, MONTENEGRO

DEVELOPMENT OF DESIRED COMPETENCIES OF MILITARY LEADERS
Goran Radovanović
USING TECHNOLOGY AND ONLINE RESOURCES IN THE CLASSROOM 1339 $$
Biljana Vlašković Ilić
THE EDTECH - FRAMING THE FUTURE OF EDUCATION 1355
Andreja Mihailović
MULTIMEDIA TOOLSET DEPLOYMENT IN THE ENGLISH-COURSE PRESENTATION OF DIGITAL AGRICULTURE
Tihomir Živić
ANALIZA ZASTUPLJENOSTI INFORMACIJSKIH TEHNOLOGIJA I OBRAZOVNIH SOFTVERA U PEDAGOŠKIM STANDARDIMA KANTONA SARAJEVO U BOSNI I HERCEGOVINI
Nezir Halilović
WEB PLATFORMA ZA EDUKACIJU ZASNOVANA NA PRINCIPIMA GEJMIFIKACIJE
Slavimir Stošović, Nikola Vukotić, Vesna Ristić
OSTVARIVANJE AFEKTIVNOG I KOGNITIVNOG SOCIJALNOG PRISUSTVA U ONLINE NASTAVI KROZ PRIZMU STUDENATA ISLAMSKIH FAKULTETA U BOSNI I HERCEGOVINI
Tahani Komarica, Nezir Halilović Fikret Kalabić i Reuf Ibreljić
USING ESCAPE ROOMS IN SUPPORTING LEARNING IN STEM COURSES: AN EXAMPLE OF AN ESCAPE ROOM IN GENERAL CHEMISTRY 1414
Stanislava Olić Ninković, Jasna Adamov, Branka Radulović
VREDNOVANJE, SAMOVREDNOVANJE I VRŠNJAČKO VREDNOVANJE U FUNKCIJI PRAĆENJA UČENIČKIH POSTIGNUĆA1422
Mušanović Damir

BRANDING OF BELGRADE NIGHTLIFE'S ORGANIC CAPACITY

Enis Hasanbegović¹, Melisa Alcan¹, Lejla Zećirović¹, Džemila Beganović¹ ¹State University of Novi Pazar, Novi Pazar 36300, Serbia

Corresponding author e-mail address: ehasanbegovic@np.ac.rs (E. Hasanbegović)

ABSTRACT:

City branding has become a popular area of research in spatial sociology, as a result of global urbanization of society, as well as a new phase of capitalism. Belgrade has enjoyed the title of the capital of nightlife of Eastern Europe for over a decade, and that "new Berlin" image was cretead completely organically - with no strategy, promotion, urban management, or even a clear plan on the part of tourist organizations. This paper aims at examining the potential and posibilities, as well as problems and potential hurdles on the path of building on, and highlighting the aforementioned potential, provided that a longterm plan and a strategy to promote and brand the city was put into effect. It will explore how taking these steps would affect the overall improvement of the city, its tourism and economy, as well as the impact they would have on the fulfillment of the socio-cultural needs of its inhabitants. The goal is to examine the general traits of city branding as well as the popularity and relevance of Belgrade nightlife, for tourists and migrants, as well as the local population, and eventually provide a concrete branding process plan. This entire process would consist of detailed analysis, research, interviews, as well as the mapping of current hotspots credited with creating this image of Balkan nightlife epicenter. Finally, it aims to develop a branding and development vision, utilizing all the modern instruments for urban management, and therefore secure Belgrade's competitive advantage on the market.

Keywords: Belgrade, branding, city, nightlife, urban management

1. INTRODUCTION

In a capitalist society where people even brand themselves, it is obvious how much branding of cities is necessary - even inevitable - for competition in the tourist market and staying in trend. New York is "the city that never sleeps," Paris is a "city of love," and Berlin paid 14 million dollars in 2008 for its new slogan "Be Berlin," which tourists were told: You do not come here for something new you can already see that you are becoming something new. However, Central and Eastern Europe has been in a transition period for too long, and it was challenging to brand any city whose politics also constantly changed. The capitals of Central and Eastern Europe have passed or are still passing through

complex transitions resulting from three crucial processes: post-socialist transformation, Europeanization, and globalization (Stenning, 2004; Hamilton et al. 2005)

According to United Nations research, 55% of the world's population currently lives in cities. By comparison, in 1900, 13% of the world's population lived in cities; predictions say that by 2050 that percentage will rise to 68%. However, the importance of cities is growing in terms of the number of inhabitants and the concentration of power but also those needed resources for their functioning: "Cities cover only 2% of the territory planets, but require 75% of the resources. This data opens up a series of economic, social, and ecological sustainability of urban development and the peculiarities of urban policy by which this process shapes to a greater or lesser extent" (Petrović, 2009, p. 7).

Today, globalization seriously affects the economy, architecture, urbanism, and residents' cultural and social needs. Therefore, the management of cities began to become increasingly commonly viewed through the capital - where promotion provides cities with positioning opportunities in the world, creating a good reputation based on their uniqueness, authenticity, tolerance, transformability, communication, tradition, talent, as well as testimonies tourists, students, residents, and business people who add or subtract value their reputation (Morgan, Pritchard and Pride, 2015). However, to reach the goal and successfully rank on the market, it is necessary that state and local government, as well as business and economy community, recognize the concept of city branding and assume the expectations of tourists, foreign and domestic investors, buyers, as well as potential future residents.

The concept of city branding represents the profiling of a recognizable and unique image of the city, which will, with a long-term strategy and with constant cooperation with local government, residents, businesses, and economic community, attract foreign parties, investors, tourists, and residents; at the same time, this process makes cities better position in international market frameworks. The very process of breeding cities, though, looks like a marketing campaign; it is actually a long-term strategy which, in truth, involves many marketing activities and visibility planning, but also a lot of research and listening to the pulse of the market, the needs and expectations of the people who live in those cities, potential, target audience, communication with the media (local, regional and global level), social networks and events, creating a visual identity of the city, analyzing and choosing adequate and available tools for place branding.

This paper will explore Belgrade's nightlife as a breeding potential, try to explain how Belgrade has been so popular for decades, and that an image created organically, without a preconceived strategy, promotion, urban management, or a clear and organized plan of tourist organizations. Also, it will apply some of the urban management models and offer potential strategies for the promotion and branding of Belgrade's nightlife, and therefore Belgrade as one of the capitals of Europe. The research will be carried out through several methods: analysis of the content of selected literature, as well as tourist websites that, in one way or another, they promote Belgrade's nightlife, and through the comments and experiences of visitors to those sites. We will objectively and systematically examine the existing data using the content analysis method to obtain a realistic overall picture. In

addition to these, descriptive methods, mapping, and comparative analysis will also be used.

Work on practical examples of popular cultural locations will show and discuss possible directions toward a more distinct city identity.

2. BELGRADE, THE EPICENTER OF NIGHTLIFE IN THE BALKANS

In the early 2000s, Belgrade received a new epithet: the new Berlin. This seemingly flattering slogan - Belgrade is the new Berlin - actually positions Belgrade in the number 2 place it is from impossible to leave because there is always Berlin, to which Belgrade simply refers. Some of the descriptions of Berlin can be applied to Belgrade, such as "city of history" and "poor but sexy." Nevertheless, Belgrade is not just a shadow of Berlin, especially not after Berlin lost its mysteriousness - which is the reason for searching for a new Berlin. A famous quote from George Balašević's "We used to come to Belgrade as a pilgrimage" also underlines the potential of Belgrade as a city that knows how to change people. Capitalist vocabulary: Belgrade can monetize the experience. People come to Belgrade for that experience.

According to data from the Secretariat for Administration / Statistics Sector of the City of Belgrade, a record number of registered overnight stays in Belgrade accommodation facilities was achieved in 2022, a total of 3,180,977 was 18% more than the record in 2019. Furthermore, the total number of tourists who visited Belgrade in 2022 reached the number of 1.179.889 so far, of which almost a million are foreign guests, more precisely 982,495, which is an increase of 86% compared to last year.

In 2020, the constant growth of tourists in Belgrade was interrupted by COVID-19, which recorded a decrease in tourists by about 70% compared to the previous year. However, after a more profound analysis of the tourist reviews on platforms such as TripAdvisor, Booking.com, and Google Reviews, as well as social networks such as Twitter, Facebook, and Instagram (where trending hashtags #belgradenightlife, #beogradnocu, #nightinbelgrade, #belgradeatnight), we can conclude that Belgrade's rich nightlife has been around for a long time, especially among young people, recognized as the capital of good time in Eastern Europe.

Belgrade has had a good reputation as a nightlife city for many years backward. Maja Vukadinovic and Aleksandra Mikata, in the book Chronicle of a good marriage, which was created based on the concept of "Belgrade at night - Symbol of one time," which is published in several installments in the daily newspaper Politika, very vividly respond to the question of why exactly Belgrade has the image of a city that lives at night. Vukadinović and Mikata chronologically take us - everywhere from the shy sixties, when Belgrade had already positioned itself as the center of culture, entertainment, and social life. It is the age of romantic dances, landings, May Day parades, relay races, twists, and the beginning of Yugoslav rock and roll, the hippies' revolution, and the gradual interest of the socialist society in Western model entertainment.

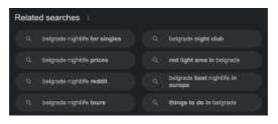


Fig.1. A Google search for "Belgrade nightlife" offers thousands of articles and references without a clear plan and program.

On April 25, 1967, the capital of the former Yugoslavia got its first disco in the Balkans - "At Laza Šećer" (on the site of today's "Šećer"/Sugar club). After the sixties the merry seventies came when the night offer became significantly more diverse - how musically and in terms of possible expression. Young people from different backgrounds and subcultures - finally got their places to hang out. Belgrade Night, which was already in the seventies, felt the potential of its nightlife; it brought new genre diversity and the right to choose: from hippies, discophiles, rockers, and ravers, all the way to punks, no while neglecting their folklore. The people of Belgrade got their first real one in the seventies disco club "Zeppelin," modeled on European clubs, which occupied 400 m2, had three podiums, and seventeen seating options. With its floor covered with black artificial leather and with 20 mirrors under a flock of light bulbs, Zeppelin quickly became a "club that destroyed the youth."

After the fusion of disco lights and socialist concrete, Travoltiada (a competition in dance based on the popular movie "Saturday Night Fever") came to the eighties. With them, the cult club Akademia (primarily a club of art academy students), of which Vodič is through Europe ranked among the ten best underground places to go out in Europe. Through we can recognize this club as the beginning of the promotion of Belgrade's nightlife: the Academy did not go only for music; the Academy was the center of artistic, alternative, performative, and intellectual scenes. During the eighties, Belgrade improved the management of its nightlife - that is. , starts to address its potential. Let us say the city starts then for the first time to offer night activities during the summer: pool parties, basketball courts, and the Panorama public swimming pool on Banovo brdo is also open disco on rošua.

At the peak of the branding of Belgrade as the capital of nightlife - the problematic, bloody, warlike but unique nineties began, which - paradoxically - as Mikata writes, ensured that Belgrade profiled itself as the center of the nightlife parties in the Balkans: "During the nineties, the most important tourism brands were created - debauchery, going out on weekdays, coffee shops in "Silicon Valley," Belgrade women like beauties, a city that resists globalization, in a word - a capital that everyone wants to visit."

The 1990s impoverished charming, artistic, and intellectual Belgrade with different laws (or the lack of them) and such a climate was followed by the arrival of turbofolk and rafts. Lots of fun for little money, fights, murders, and sensationalism at any cost - again paradoxically - even such nightlife in Belgrade also had its audience in Europe. Everyone secretly wanted to hear, see and feel the crazy night events in the wartime, sanctioned and isolated Belgrade, where crime, inflation, and anarchist free nights. Although there were turbo folk, kitsch discos, and more modern bars as its most visible

parts, the Belgrade nightlife of the nineties also had positive moments. Jazz bars and clubs began to spring up in Belgrade, which were (un)expectedly crowded. That is when electro and techno sounds are heard for the first time in Belgrade, but also acid jazz, funk, and soul. In response to isolation, war, diesel, turbo-folk, and criminal confrontations, Belgrade hosts massive rave parties similar to the world rave parties organized in industrial cities like Detroit and Manchester. Symbolically, the techno club Industrija is born. Today, rave is one of the symbols of Belgrade's mainstream nightlife, and back then, it was organized in marginal and alternative spaces: fair halls, abandoned industrial buildings and hangars, Tašmajdan catacombs, in the old power plant in Dorćol... Although musical influences managed to penetrate what was then Belgrade, although Belgrade musicians and artists managed to find their expression in funk or techno, they existed on the margins for a long time, waiting for their time to become visible and take over the throne. They finally got it: after October 5, 2000, Belgrade once again opened the door to Europe and the world, and thus to the general improvement in culture and art.

Today, Belgrade is considered a city that never sleeps, where every night can be treated as a weekend and where, unlike in the seventies, going out starts after 11 pm because parties and gigs don't start until after midnight. Millennials have made Belgrade's nightlife eclectic: Belgrade has begun to offer spaces and entertainment for all tastes openly. The old phrase "from Silvana to Nirvana" is now visible in one of Belgrade's nights. Following the example of world trends and countries in transition, by reviving industrial zones and abandoned buildings and revitalizing urban pockets of the city, Belgrade contributed a better reputation on the international market. It stood side by side with many European and world metropolises. Such revitalized night oases are Betonhala, Hangar, Dragstor, Savamala with KC city (created as the first alternative cultural center), Cetinjska, the BIGZa building, and many others. One of the most important phenomena in Belgrade night assigned another taste is the pubs. Today, they are a transformed version of the cafe that existed in Yugoslavia or during the nineties, but despite that, they kept their interior, menu, and atmosphere the spirit of old times - with local cuisine and brandy that they are still served on checkered tablecloths.

Many foreign and world media have recognized Belgrade as the epicenter of good entertainment and nightlife. Some of them are:

- "The Guardian," wrote about Belgrade's nightlife, where the accent is put clubs like Drugstore and KC Grad on the alternative scene.
- Lonely Planet" also wrote about Belgrade's nightlife, where he presented guides to the best clubs, bars, and rafts in town.
- "VICE UK" had a few articles about nightlife in Belgrade, including raft parties and a guide to the best clubs in town.
- "The New York Times" wrote that Belgrade is slowly turning into a new Berlin regarding the club scene and alternative culture.

- BBC also had an article about Belgrade's nightlife, pointing out the club "20/44" as one of the best in town.
- CNN, In a 2017 article entitled "Belgrade Nightlife: New Wave creativity," CNN describes how Belgrade is becoming the new nightlife mecca in Europe.
- "The New York Times," in some of its articles, described Belgrade's nightlife's diversity and liveliness. One was called "Belgrade: The City that never sleeps," and the second was "Belgrade Bohemian Scene," published in 2009.
- "The British Telegraph" published an article in 2018 called "Belgrade nightlife: clubs, bars, and rafts. Other articles mentioning nightlife in Belgrade "How Belgrade Became the Serbian Berlin" and "How is the Serbian capital became the Host of the World's best festivals."

If a place has a positive reputation, that brand is an influential intermediary culture, community, and people, and the more potent its reputation, the easier it is to attract attention; therefore, it is better to compete for funds, jobs, and new investments. A positive reputation of a place increases its competitiveness; the value of that place and its brand accumulates and thus establishes its position as a place worth visiting (Morgan, Pritchard, and Pride, 2015).

Unfortunately, after all the war events on the soil of the former Yugoslavia, the foreign media was much more interested in the negative aspects and consequences of the war in the Balkans - and Belgrade was viewed through the prism of a post-socialist, post-war city, and after NATO bombings in 1999 - it received the status of a bombed city. City brand Belgrade is associated with numerous conflicts, nationalism, and crime economic and social problems, such as a high unemployment rate, poverty, and corruption. Apart from that, Belgrade did not have a good reputation regarding respect for human rights - i.e., treatment of certain minorities and vulnerable groups. Discrimination based on race, gender, sexual orientation, and other characteristics still exists in Belgrade and Serbia. However, many organizations and state institutions are trying to reduce it - and thus promise foreigners and future tourists that their rights in this city will be respected, regardless of the differences they bring.

To the same extent, how positively the city's reputation can affect the improvement of the city's brand, just as much as a negative reputation can threaten those activities that the city is acquired in other fields and can turn away potential tourists, investors and visitors, and residents. That is why before, in parallel with planning, and after planning, an urban strategy should work intensively to suppress and prevent the creation of a negative reputation and mistrust. Instead, build trust and provide a safe ground for all people.

3. REPUTATION MANAGEMENT OF BELGRADE'S NIGHTLIFE

As already said, the foundation of a winning and successful reputation of a creative destination is to provide a safe and tolerant space where all people feel welcomed despite their differences.

The term creative destination Morgan, Pritchard, and Pride, in the publication "Destination as a Brand," describe and define it as an urban and/or rural place that improves tourism well-being of its inhabitants and accepts new trends of thinking and sustainable way of thinking of life. In addition, these are attractive places to live and visit, smart places that attract attention regardless of their size and political influence. The virtuous circle of destination reputation has six elements that should mark future strong brands: *tone of communication, tradition, tolerance, talent, transformability, and testimonies* (Morgan, Pritchard, Pride, 2015, p. 28). In the implementation of the strategy should implement these elements of the virtuous circle of the reputation of a creative destination.

In the previous section, a lot has already been said about the *tradition* and rich history of the nightlife of Belgrade; various testimonies of visitors about uniqueness and specificity were also mentioned Belgrade nights, but also that Belgrade is a treasure trove of *talents*, young artists (both music, film, stage and literary industries) that have the power to create a unique and innovative scene. When we talk about transformability - Belgrade indeed is experiencing a slow but steady transformation regarding openness and inclusion diversity: be it gender, race, class, sexual orientation, or ethnicity belonging. *Transformability* is achieved by that keyword of a democratic society, i.e., tolerance, which is Belgrade's development point, especially the nightlife Belgrade brand.

All these things - tolerance, transformability, testimonies, tradition, talent - in one place can happen organically and exist at the level of the phenomenon or the unconscious potential. However, what must happen is conscious, planned, and intended establishing a clear and recognizable tone of communication that will attract the target group visitors. It can be, for example, a focus on the diversity of musical genres, a recognizable Belgrade sound, a friendly and open attitude towards foreign visitors, or accentuating the city's alternative scene.

After collecting data from various sources of literature, media, websites, social networks, and informal interviews - we can conclude that Belgrade enjoys a reputation as the nightlife capital of Eastern Europe. That image has been made prominent partly organically, almost by accident. According to Anholt, the author who developed his reflections on branding as a marketing expert: the process of branding cities should be understood as a long-term process, which is a product of intellectual (innovation) rather than financial capital (money spent in the media campaign) (Anholt, 2010, p. 74).

Implementing an urban strategy for rebranding Belgrade's nightlife can be complex and long-term. In the following text, we will try to implement the combination of the model used for the development of Kikinda's cultural and tourist content, which was managed by professor Uroš Radosavljević and his collaborators Aleksandra Đorđević and Jelena Radosavljević with a group of students, as well as other models described and explained in the publication "Destination as a Brand" (Morgan, Pritchard and Pride, 2015).

3. 1. Steps to implement the strategy

- 1. Perform analysis, research, and mapping of the current situation: The first step in implementing the urban strategy for rebranding Belgrade's nightlife is already an analysis of existing capacities and potentials. This analysis should focus on researching existing night destinations, identifying trends and shortcomings, and studying the needs of tourists and the local community.
- Research and analyze the authenticity, uniqueness, originality, and specificity of Belgrade;
- -Map and display relationships between existing content, networks, and programs, as well as physical ones, urban structures, and spaces;
- Determine the values, potentials, and problems for branding the place. For example, in Table 1, a brief SWOT analysis (Tabele 1.) of Belgrade's nightlife is presented.
- Along with all the previous research, it is essential to research the competing cities and identify them their strengths and weaknesses concerning Belgrade.
- **2.** After appropriate research and mapping, **follow the definition of the brand and its goals**, i.e., visions of development. This step involves defining the desired identity of nightlife in Belgrade and setting clear goals to be achieved:
- Place branding using modern instruments of urban management;
- Integral spatial and programmatic concept of place branding based on the recognized values, potentials, and problems;
- -Defining the vision of development, spatial networks, content, and activities.
- 3. If we treat the brand as a product, we go to the market with it, which is sold capitalized through a specific audience. **Identifying the target audience** is a crucial step in this stage of re-branding. This step will help understand the target audience's needs and preferences, which will be helpful when making decisions about the offer and promotion of overnight destinations.
- 4. **Developing an action plan**: After defining the brand, goals, and target audience, the next step is to develop an action plan to implement the strategy. The action plan should include concrete solutions to improve nightlife in Belgrade, including developing new night destinations, improving existing ones, promoting and marketing, improving infrastructure, and more.

The action plan begins with an analysis of examples and model options for projects and programs branding following the interests and needs of relevant actors. Then it continues analyzing and selecting urban management instruments that would be foreseen project. Before the actual implementation, it is necessary to work out spatial interventions, branding projects, and programs following the specifics of the cultural context. The last step is the implementation of the action plan. Implementation implies implementing planned activities, monitoring results, and adjusting the plan if necessary.

3. 2. External and internal actors for implementing the strategy

Implementing the urban strategy of Belgrade's nightlife is interdisciplinary and should involve different actors. Cooperation with the authorities is an important factor for the implementation of the strategy for the rebranding of Belgrade's nightlife because the Government has a key role in decision-making and providing support for the improvement (or deterioration) of nightlife in the city. In addition to the government, cooperation and the involvement of others is very important actors, such as city officials, local organizations and associations, entrepreneurs in the night sector, experts in urban planning, architecture, sociology, tourist organizations and agencies, media, police, representatives of cultural organizations, and art groups who would could contribute to the creation of a more diverse offer of cultural events and activities in nightlife, the public transport sector, and the non-governmental sector that would ensure that nightlife be inclusive and diverse, etc. Apart from external actors, they are significant for the success of branding essential and internal actors. Involvement of the local population in the process of creation i strategy implementation can help ensure their support and understanding. This may include convening public hearings, polls, and other activities that

If branding is seen as an organic and phenomenological process, local actors/citizens continuously shape the identity and image of the city and precisely the way they live, work, and have fun; their skills and entrepreneurship provide a specific added value to the branding of the city (Insch, 2011: 8).

will enable the local population to actively participate in creating a new night identity life

Table 1. SWOT analysis of nightlife in Belgrade

S

- Belgrade's long and rich history of nightlife can be attractive to tourists and visitors.

for yourself and your future guests.

- -Variety of offers: Nightlife in Belgrade offers various entertainment options, including clubs, bars, restaurants, rafts, concerts, and festivals.
- Strong spirit of the place.
- Belgrade has a rich cultural scene, including theaters, cinemas, museums, and galleries, which can add interest to tourists for nightlife.
- Belgrade is located at the crossroads between West Europe and Southeast Europe, which makes it an attractive destination for transit passengers.
- The prices of drinks and food and entrances to clubs in Belgrade are relatively affordable compared to other cities in Europe.

W

- -Lack of a clear identity of nightlife in Belgrade
- Absence of innovative concepts and new ideas
- -Lack of promotion and marketing of nightlife
- Security problems, such as violence, theft, and drugs, are a major concern for tourists and local audiences
- Low quality of service in some clubs and bars, such as untidy toilets and poor service, may turn off potential visitors.
- Lack of a marketing campaign that promotes nightlife in Belgrade.
- Outdated infrastructure, including an inadequate public transport system and parking problems.
- -Lack of investment in nightlife development, including lack of funds for renovation and modernization of space, may limit the development of this area.

0 -Potential for attracting new tourists. -Regulations related to nightlife can limit -Organizing events and festivals in nightlife. business opportunities and reduce profitability. - Introducing new trends in nightlife, such as - Competition in the nightlife field is great in the region and other cities in Europe, which can new musical genres and board games. - Business guided by the principles of social reduce tourist interest. - The capacity of some clubs and bars may be responsibility, including respect for human rights, environmental protection, and support limited, leading to crowding and crowd for the local community. dissatisfaction. - Possibility of cooperation with local artists - The COVID-19 pandemic has significantly and musicians. affected nightlife in Belgrade and around the - Belgrade has many different spaces that can world, making the recovery of this area difficult. be used for nightlife, including clubs, bars, restaurants, and venues outdoors, and abandoned industrial spaces that provide various possibilities for new concepts and formats. - Belgrade's rich history and cultural heritage can be used to promote nightlife, including cultural tours, thematic evenings, and events.

In addition to the proposed basic steps for the implementation of the urban strategy of rebranding Belgrade's nightlife, based on the SWOT analysis (Tabele 1.) is very important to include the following steps that are vital to the success of the strategy:

-Monitoring and evaluation: In order to ensure the successful implementation of the strategy, it is important to monitor and evaluate progress at regular intervals. This will enable the identification successes and shortcomings of the strategy and adaptation of the action plan according to needs and new trends.

-Linking with other city strategies: Belgrade's rebranding of nightlife should not be isolated from other urban strategies in the country and region. Therefore, it is crucial

to connect strategies at the local, state, and even regional levels and work on synergy to ensure a long-term sustainable improvement in the quality of life in the city.

- -Creating a new offer: It is essential to create a new offer to attract a new target audience and improve the overall quality of nightlife in Belgrade. It may include the development of new music festivals, cultural events, and other manifestations that will attract tourists and local audiences. At the same time, it means investing in artists, musicians, and performers all over Serbia so that they would be the ones who offer an authentic and unique style.
- **Improvement of infrastructure:** Improvement of public transport, lighting, and security, as well as arranging public spaces and solving the problem of noise and crowding, can be vital to the strategy's success and the comfort of both residents and visitors.

4. CONCLUSION

Nightlife is inseparable from culture and art. And in today's hyper-production market, when we talk about creating a new offer - any offer is not enough. You need a specific Belgrade voice, a recognizable Belgrade sound, you need to be constantly "edgy." Therefore, the answer to the question "where to start?" is "from art." Investing in local creators is what Belgrade lacks today in order to rise to the level of world capitals of nightlife. Socialism invested in its people; however, after the collapse of Yugoslavia, there was a huge "brain drain" - about 300,000 university-educated people left the country. The years that followed did not invest in the creative industry, and Belgrade is still recovering from the consequences of that period of "intellectual hunger."

Nevertheless, Belgrade persistently shows its adaptability when it comes to entertainment. The concept of a "fun zone" represents an organized night out within a specific zone (which in Belgrade is mostly industrial and underutilized). The ephemeral and unstable quality of entertainment zones in Belgrade and the occupation of seemingly marginal spaces contribute to the revival of the city's capacity for entertainment, especially when it comes to countries in transition, which abound in abandoned and empty buildings. Such spaces continue to "sprout" in Belgrade, such as in the last couple of years, a space like DIM also appeared. As the poet Maša Seničić writes: DIM is not just a bar in Cetinjska Street; it is a platform for theater, gallery, concert, and club events; it is a space for playing between day and night (according to beforeafter.rs).

Certainly, this paper suggests that, in addition to clubs and rafts (which are the most well-known to tourists), serious work should be done on presenting the other contents of Belgrade (such as museums, galleries, theaters, exhibitions, sports events...) that would adapt their program to night outs (from 21:00 to 00:00, for example) The capacity for such activities is, for example, a night tour of the Kalemegdan Fortress, Skadarlija, Gardoš Tower in Zemun or some other tours in different parts of the city, as well as "Museum Night," "Book Night," etc. In order to achieve this, it is necessary for the city authorities, in cooperation with the tourist organization of Belgrade, to look at all the potentials, capacities, and resources of the city and to create a long-term branding plan for the Serbian

capital, the implementation of which would change and improve the image of the city, maintain existing qualities and indicate new directions. and the city's contents, both in terms of nightlife and the overall branding of Belgrade.

5. LITERATURE

- [1] Hamilton, F. E. I., Andrews, K. D. and Pichler-Milanovic, N. (eds.). (2005). Transformation of Cities in Central and Eastern Europe. Towards Globalization. Tokyo: United Nations University Press.
- [2] Petrović M.(2009), "Transformacija gradova ka depolitizaciji urbanog pitanja", Institute for Sociological Research of the Faculty of Philosophy. Belgrade.
- [3] Petrovic, M. & Tokovic M. (2018). "Gradovi u ogledalu: Između identiteta i brenda imidža". Faculty of Philosophy, University of Belgrade. Belgrade.
- [4] Morgan N., Pritchard A.and Pride R. (2015). "Destinacija kao Brend" .Klio, Belgrade.
- [5] Vukadinović M. and Mikata A. (2017), "Hronika dobrog provoda (beogradske diskoteke i klubovi 1967 2017)". Nova petika Argus Books & Magazines, Belgrade.
- [6] Anholt, S. (2010). Places. Identity, Image and Reputation. Great Britain: Palgrave Macmillan.
- [7] Insch, A. (2011). Branding the City as an Attractive Place to Live. In: Dinnie, K. (ed.). City Branding. Theory and Cases. New York London
- [8] Radosavljević U., Đorđević A., Radosavljević J. (2016) "Kulturni turizam Kikinde". Faculty of Architecture University of Belgrade
- [9] Radosavljević U., Lalović K., (2011). "Contemporary approach to urban design for sustainable tourism of Serbia". Faculty of Architecture University of Belgrade
- [10] Luković, D. (2013). "Cities and regional brending: Theoretical framework and practice in Eastern and Wester Europe". University of Belgrade, Faculty of Political Sciences. Belgrade.
- [11] Statistical Yearbook of the Republic of Serbia (2021), Statistical Office of Republic of Serbia
- [12] Popesku J. & Gajić J.. (2010) "Nove tendencije u marketingu-Brendiranje gradova", Singidunum revija, Beograd.
- [13] Hannigan J, (2004) "Boom Towns and Cool Cities: The Perils and Prospects of Developing a Distinctive UrbanBrand in a Global Economy", Paper presented at the Leverhulme International Symposium: The Resurgent City, London School of Economics.
- [14] The following websites were used as data sources:
 - www.tripadvisor.com
 - www.beogradnocu.com
 - www.lonlyplanet.com
 - www.smartertravel.com
 - www.stophavingaboringlife.com