



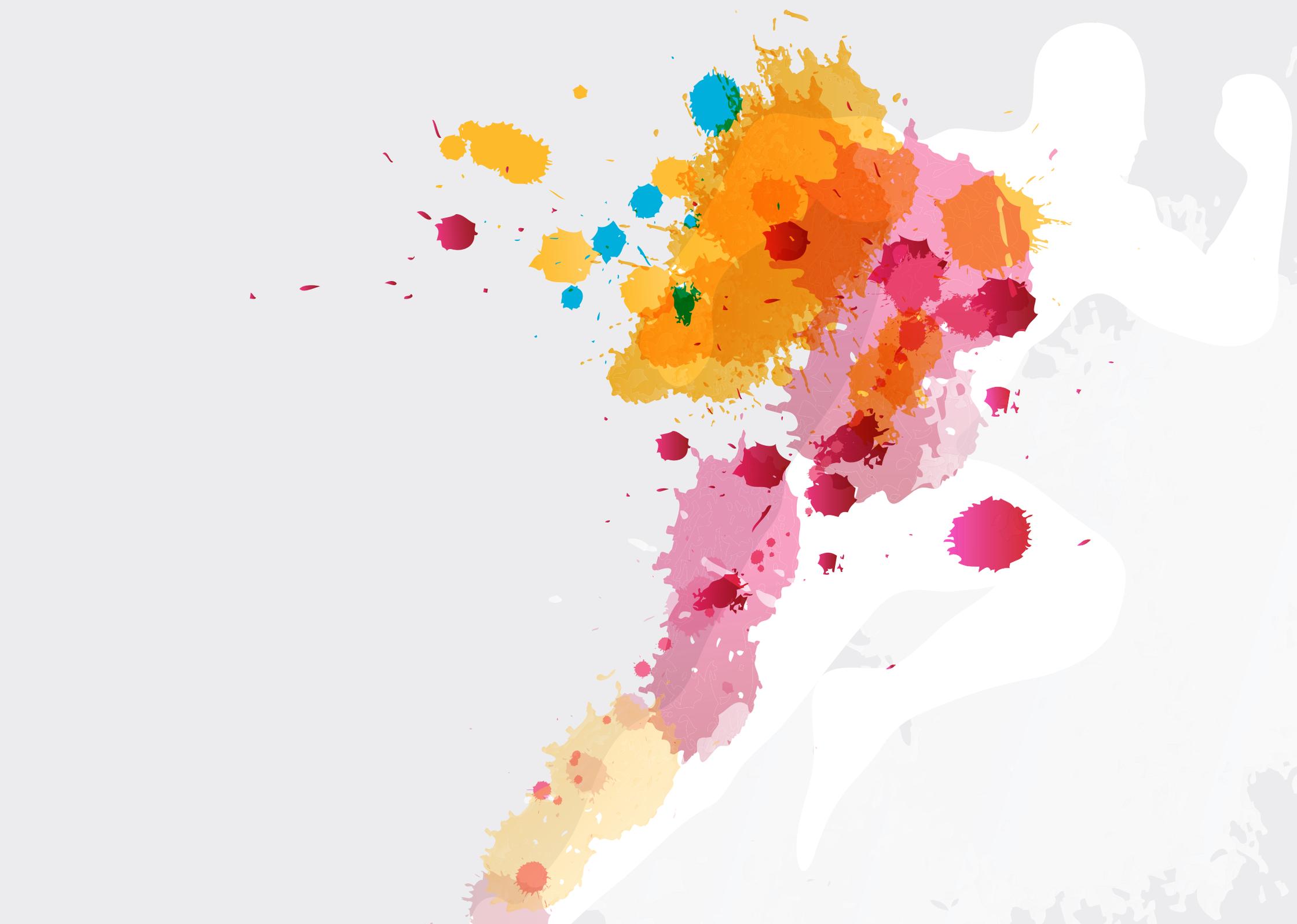
# 10<sup>th</sup> INTERNATIONAL SCIENTIFIC CONFERENCE ON KINESIOLOGY

OPATIJA, CROATIA, SEPTEMBER 12 - 15, 2024

## FINAL PROGRAMME



Organiser: University of Zagreb Faculty of Kinesiology, Croatia  
Co-organiser: Croatian Academy of Sciences and Arts, Croatia





# WELCOME!

## **10<sup>th</sup> INTERNATIONAL SCIENTIFIC CONFERENCE ON KINESIOLOGY**

OPATIJA, CROATIA, SEPTEMBER 12-15, 2024

### **FINAL PROGRAMME**

ORGANISER:  
UNIVERSITY OF ZAGREB, FACULTY OF KINESIOLOGY, CROATIA

CO-ORGANISER:  
CROATIAN ACADEMY OF SCIENCES AND ARTS, CROATIA

## Venue

Liburnia Hotel Ambassador,  
Feliksa Peršića 5, 51410 Opatija, Croatia  
[www.liburnia.hr/en/hotel-ambassador](http://www.liburnia.hr/en/hotel-ambassador)

## Registration

All participants, including speakers who are presenting papers in the Scientific Programme, should register at the Registration desk at hotel "Ambassador" upon the arrival.

All presenters are kindly asked to submit their presentations to the Technical Staff, located in the designated Lecture room according to the Conference program, not later than 30 minutes before the session beginning.

The Registration desk will be opened throughout the Conference from 8:30 – 19:00.

Registered participants are entitled to the following:

- Attend all Scientific Sessions
- Receive all official Conference materials
- Attend the Social Programme
- Coffee breaks during the Conference.

## Badge

All participants, accompanying persons and exhibitors are kindly requested to wear badges during the days of the Congress.

## Coffee breaks

Coffee will be served on the lowest floor by the pool.

## Internet access

Free Internet access will be available throughout the Congress in the whole hotel area.

## Currency

The official currency in Croatia is Euro.

## Cell phones

Cell phones must be in silent mode in lecture rooms at all times.

## Podium presentations

Presenters are advised to check their presentations (format, video...) in Speakers room that is going to be open for conference participants. All presenters according to the Scientific Programme should be available at the lecture hall 15 minutes before the beginning of the session to save their presentation to computer.

Conference presenters should prepare powerpoint (or other type) of presentation for their podium presentation. If not stated different in Programme, podium presentations are planned for 10-minute total time (8 minutes presentation and 2 minutes questions or discussion). Chairpersons in lecture hall are going to give signal to presenter at the start of 8th minute of their talk (last minute of planned time for presentation).

Session chairpersons are kindly requested to be available in their respective lecture room at least 15 minutes before the beginning of their sessions, for the purpose of checking the facilities with the responsible technician and to finalize any arrangements with the speakers.

## Poster sessions

Every congress day (Friday and Saturday) there is a special time slot for poster presentations. The authors are requested to be available at their posters during the respective time slot. The authors will be asked to give a short overview (2 min) on the topic of the poster.

The posters will be exhibited at the entrance to the Congress hall. The poster number will be assigned on the top of the poster board. The posters should be put in the morning (8:00) of the day of the presentation and taken down in the evening (not later than 21:00). Drawing pins, adhesive tape etc. will be available at the poster exhibition and assistants to the poster exhibition will be there to assist you.

Posters should ideally measure 100 x 70 cm and will be displayed during the conference. Their structure should mirror that of papers but **MUST** be easily readable from a distance of at least 2 meters. Authors are responsible for all aspects of poster layout and design.

Any poster not removed by the scheduled time will be discarded.

Congress staff members are available to answer questions about the Congress programme, the location of lecture halls, rooms, breaks etc

## Social programme

**Thursday**  
September 12, 2024

*Congress Hall*  
18:00 - **Opening Ceremony**

*Pool area*  
19:00 - **Opening Reception**

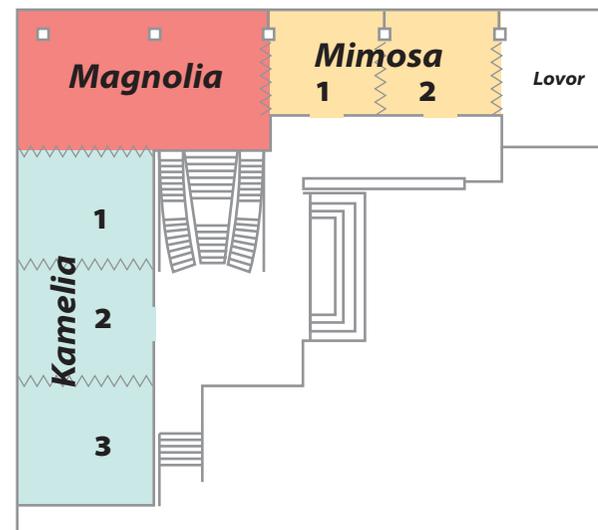
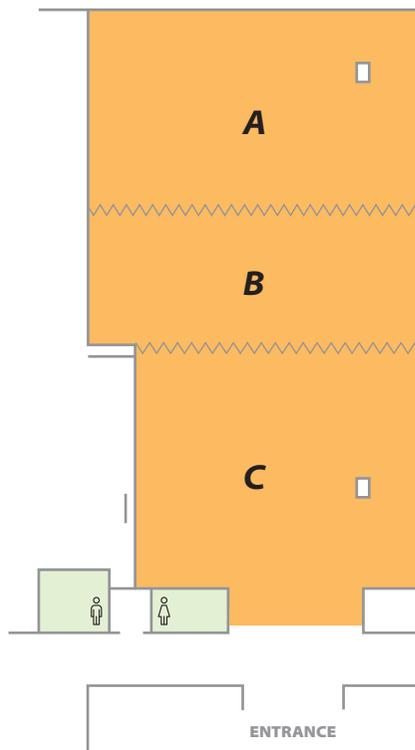
**Friday**  
September 13, 2024

*Hotel „Ambasador“ main restaurant*  
21:00 **Gala dinner**

**Sunday**  
September 15, 2024

*Congress Hall*  
11:00 **Closing Ceremony**

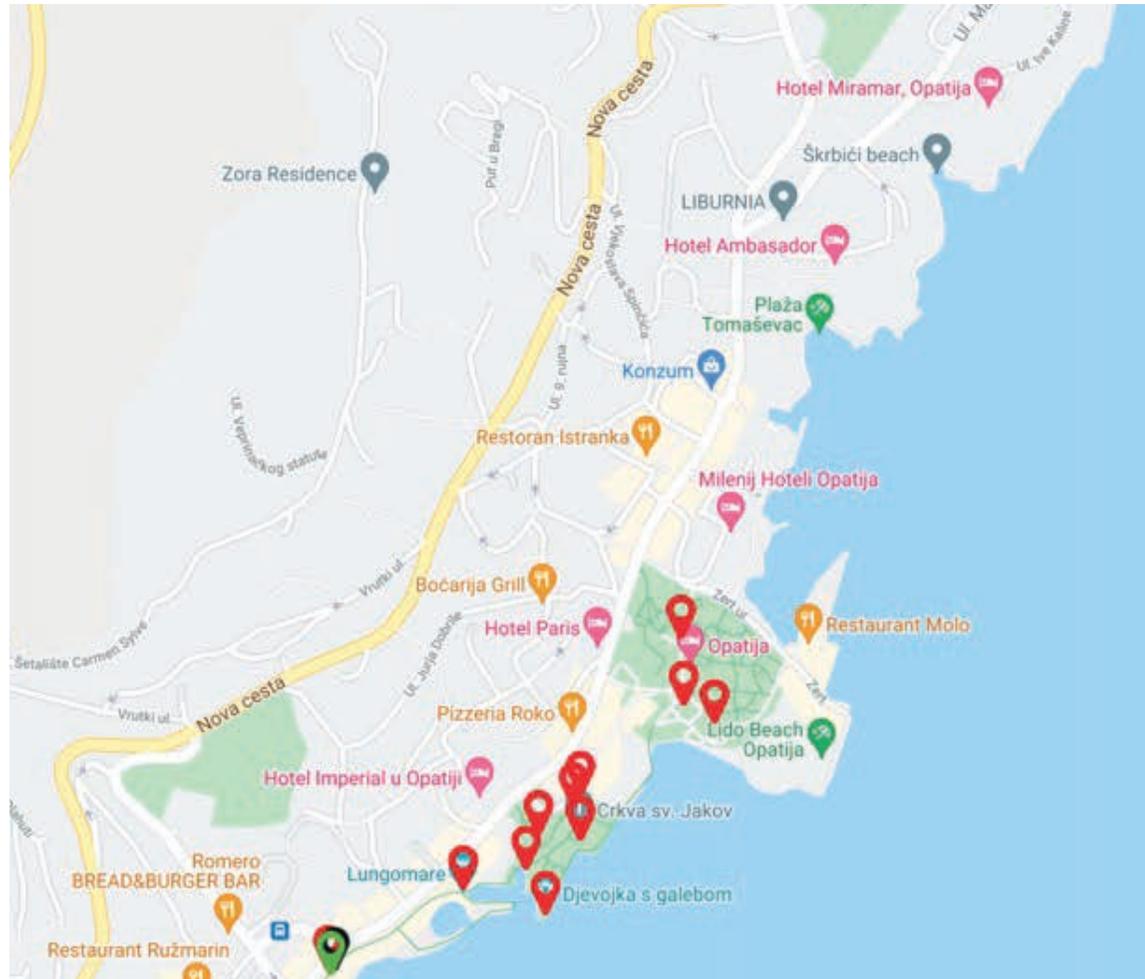
### Congress hall



A+B+C = **Congress hall**  
Magnolia - **Hall 1**  
Kamelia 1, 2, 3 - **Hall 2**  
Mimosa 2 - **Speakers room**

## Outdoor physical activity in Opatija

SightRun App Opatija: Use the SightRun app to download the route and enjoy walking/running and sightseeing in Opatija. your running shoes guide you through the colorful parks and the mesmerizing trail next to the sea called Lungomare.



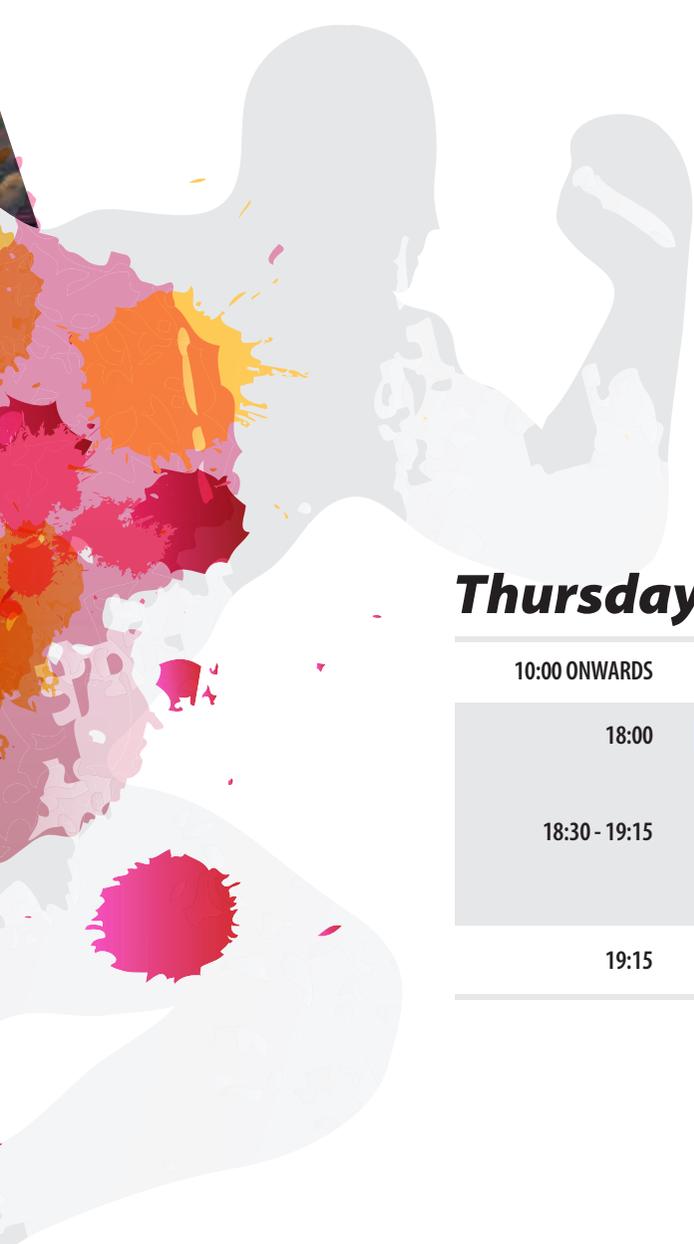
For more options for outdoor activities check [www.visitopatija.com/en](http://www.visitopatija.com/en)



GENERAL INFORMATION

10<sup>th</sup> INTERNATIONAL SCIENTIFIC CONFERENCE ON KINESIOLOGY

# SCIENTIFIC PROGRAM



**Thursday** September 12, 2024

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10:00 ONWARDS **ARRIVAL AND REGISTRATION**

18:00 **Congress hall**  
**OPENING CEREMONY**

18:30 - 19:15 **OPENING INVITED LECTURES**  
**Ichiro Kawachi**, PhD, Harvard School of Public Health, USA  
APPLYING BEHAVIORAL ECONOMICS TO PROMOTE PHYSICAL ACTIVITY

19:15 **OPENING RECEPTION**

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# Friday

September 13, 2024

8:00 **POSTER HANGING** - DISPLAY LOCATIONS: A, B, C, D

PARALLEL SESSIONS

9:00-10:30	<i>Congress hall</i> <b>Medicine of sport and exercise</b> (page 11)	<i>Hall 1</i> <b>Top-level sport</b> (page 11)	<i>Hall 2</i> <b>Management of sport</b> (page 11)
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10:30-11:00 **COFFEE BREAK**

*Congress hall*

11:00-12:00 **PLENARY SESSION INVITED LECTURES (DOCTORAL SCHOOL)**  
**Felice Strollo**, Phd, San Raffaele Pisana Institute, Italy  
 ENDOCRINE ASPECTS of SPACE PHYSIOLOGY  
**Andrew M. Jones**, PhD, University of Exeter, UK  
 THE PHYSIOLOGY OF ENDURANCE EXERCISE PERFORMANCE: MORE MENTION FOR THE FOURTH DIMENSION

12:00-12:15 **BREAK**

POSTER PRESENTATIONS

12:15-13:45 **A: Medicine of sport and exercise** (page 12)  
**B: Adapted physical activity and kinesitherapy** (page 13)  
**C: Top-level sport** (page 13)  
**D: Sports recreation** (page 15)

13:45-15:30 **BREAK**

*Congress hall*

15:30-16:30 **PLENARY SESSION INVITED LECTURES (DOCTORAL SCHOOL)**  
**Antonia Kaltsatou**, Phd, University of Thessaly, Greece  
 OPTIMIZING PATIENT OUTCOMES WITH COOLING STRATEGIES IN CLINICAL SETTINGS – Online  
**Željko Pedišić**, Phd, Victoria University, Australia  
 (UN)HEALTHY USE OF TIME IN THE POPULATION: WHAT IS KNOWN AND HOW TO FIND OUT MORE?

16:30-17:00 **COFFEE BREAK**

17:00-18:30 PARALLEL SESSIONS

<i>Congress hall</i> <b>Gala dinner preparations</b>	<i>Hall 1</i> <b>Adapted physical activity and kinesitherapy</b> (page 16)	<i>Hall 2</i> <b>Sports recreation</b> (page 16)
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20:00 **POSTER DISPLAY DISSEMBLING**

21:00 **GALA DINNER**

# Parallel sessions, oral presentations

Friday, September 13, 2024

9:00 - 10:30

	Congress hall	Hall 1	Hall 2
	<b>Medicine of sport and exercise</b> <i>Chairpersons:</i> Felice Strollo, Lana Ružić, Maja Cigrovski Berković	<b>Top-level sport</b> <i>Chairpersons:</i> Igor Gruić, Lubor Tománek, Daniel Bok	<b>Management of sport</b> <i>Chairpersons:</i> Radenko M. Matić, Sanela Škorić
09:00-09:10		<b>Lubomír Paška, Pavol Horička, Jaromír Šimonek</b> THE RELATIONSHIP OF REACTIVE AND PLANNED AGILITY AND SELECTED MOTOR INDICATORS TO GAME PERFORMANCE OF FEMALE PLAYERS IN VOLLEYBALL	<b>Entela Kushta, Anduela Lile, Arben Kaçurri</b> FOSTERING PROFESSIONAL COMPETENCE: INTEGRATING DIGITAL LITERACY AND SOFT SKILLS IN SPORT AND TOURISM MANAGEMENT CURRICULA
09:10-09:20	<b>Viktor Bielik</b> ATHLETE'S GUT: THE IMPACT OF PROBIOTICS AND PHYSICAL EXERCISE INTENSITY ON THE STRUCTURE AND FUNCTION OF INTESTINAL MICROBIOME	<b>Klara Šiljeg, Milivoj Dopsaj</b> QUANTIFICATION OF THE DEVELOPMENT TREND OF RESULTS DURING THE CAREER OF CROATIAN SPRINTERS IN THE 50M FREESTYLE CONCERNING THE BEST EUROPEAN SWIMMERS: INITIAL AGE-PERFORMANCE MODEL	<b>Fisnik Brovina, Holtjon Orhani</b> ENHANCING PUBLIC HEALTH THROUGH SPORTS FEDERATIONS: A STRATEGIC APPROACH TO YOUTH WELLNESS IN ALBANIA
09:20-09:30		<b>Pavol Horička, Jaromír Šimonek, Lubomír Paška, Andrea Izáková</b> THE RELATIONSHIP OF SKILLS, REACTION AGILITY AND COGNITIVE ABILITIES IN FOOTBALL	<b>Janja Ricov</b> THE CONNECTION BETWEEN PUBLIC FUNDING OF SPORTS PROGRAMS AND SPORTS QUALITY OF ATHLETES IN TEAM SPORTS IN THE LARGEST CROATIAN CITIES TOGETHER
09:30-09:40	<b>Marta Gimunová, Michal Bozdech, Shauane Emanuela Fornaciari Silva, Kristyna Dvorakova</b> THE RISK OF LOW ENERGY AVAILABILITY, BODY IMAGE, AND MENSTRUAL CYCLE PERCEPTION IN FEMALE DANCERS	<b>Sara Šanjug, Petar Barbaros, Zlatan Bilić</b> CHARACTERISTICS OF THE MATCH PERFORMANCE OF TENNIS PLAYERS UNDER 14 YEARS OLD	<b>Sanela Škorić, Ivana Načinović Braje</b> KNOWLEDGE, SKILLS AND COMPETENCIES OF SPORT MANAGERS: COMPARATIVE VIEWS OF BUSINESS AND KINESIOLOGY STUDENTS
09:40-09:50	<b>Libuša Nechalová, Adela Penesová, Ivan Hric</b> THE RELATIONSHIP BETWEEN GUT MICROBIOTA AND CARDIORESPIRATORY FITNESS IN MULTIPLE SCLEROSIS PATIENTS	<b>Tomáš Vencúrik, Dominik Bokůvka, Jiří Petřů, Marcos Michaelides, Koulla Parpa, Ana Carolina</b> REACTIVE AGILITY OF U19 FEMALE BASKETBALL PLAYERS AND ITS RELATIONSHIP WITH SPEED AND POWER	<b>Mate Maglov, Luka Milanović, Nikola Prlenda</b> THE CORRELATION BETWEEN DEMOGRAPHIC AND ECONOMIC FACTORS AND THE MEDALS WON IN SAILING AT WORLD CHAMPIONSHIPS AND THE OLYMPIC GAMES
09:50-10:00	<b>František Lörcinczi, Drahomira Lörcincziová, Miroslav Vavak</b> PHYSIOLOGICAL RESPONSES TO REPEATED SPRINT TRAINING WITH HYPOVENTILATION INTERVENTION	<b>Kristijan Slačanac, Damir Pekas, Nenad Žugaj, Krešo Škugor, Mijo Čurić</b> COMPETITION PERFORMANCE OF THE CROATIAN WRESTLING TEAM AT MAJOR COMPETITIONS	<b>Igor Gruić, Sanela Škorić</b> STRUCTURE AND COMPARISON OF CROATIAN AND DANISH GENERAL GOVERNMENT EXPENDITURES WITHIN EU SPORT SYSTEM CONTEXT
10:00-10:10	<b>Teo Radić, Matea Bajlo, Jelena Paušić</b> EFFECTIVENESS OF DIFFERENT MANUAL TECHNIQUES ON THE TIGHTNESS OF THE ILIOTIBIAL BAND IN ATHLETES	<b>Josip Cveniće, Lucija Faj, Magdalena Brkić</b> DIFFERENCES IN SITUATIONAL EVALUATION OF GOALKEEPER'S EFFICIENCY IN HANDBALL REGARD TO GENDER AND SHOOTING POSITIONS	<b>Radenko M. Matić, Nikola Šarković, Dimitrije Takači, Ivana Perović, Aleksandra Učur</b> ATHLETES' ATTITUDES TOWARD COMMERCIAL SPORTS BRAND SPONSORSHIP AND PURCHASE INTENTIONS IN INTERNATIONAL TABLE TENNIS EVENT
10:10-10:20	<b>Indrek Rannama, Karmen Reinpold</b> THE LINEARITY CHANGES IN ERECTOR SPINAE MUSCLE OXYGEN SATURATION HAVE HIGHER AGREEMENT WITH SYSTEMIC THRESHOLDS THAN BREAKPOINTS IN VASTUS LATERALIS DURING INCREMENTAL CYCLING EXERCISE	<b>Nancy Williams, Mary Jane De Souza, Emily Lundstrom</b> PRE-SEASON ENERGY STATUS IS ASSOCIATED WITH PERFORMANCE IN COMPETITIVE FEMALE LONG-DISTANCE RUNNERS	<b>Paolo Grgorinčić, Nikola Prlenda, Mate Maglov</b> THE CONNECTION OF ECONOMIC FACTORS WITH THE INTERRUPTION OF A SPORTS CAREER
10:20-10:30	<b>Vanja Radišić Biljak, Anamarija Đuras, Ivana Valentić, Petra Lazić, Valentina Vidranski, Tihomir Vidranski, Lana Ružić</b> WOMEN IN SPORTS: LONG-TERM BIOLOGICAL VARIATION OF HEMATOLOGICAL AND COAGULATION PARAMETERS		

Congress hall 1/3

**A: Medicine of sport and exercise**

Chairpersons: Felice Strollo, Lana Ružić, Maja Cigrovski Berković

A1	<b>Miriam Babicová, Veronka Hlaváčová, Sabína Smahová, Alexandra Kolenová</b> THE EFFECT OF AN EXERCISE PROGRAM ON GUT MICROBIOTA AND PHYSICAL FITNESS IN CHILD CANCER SURVIVOR
A2	<b>Adela Penesová, Michal Páleník</b> INTENSIVE TRAINING PROGRAM AND NUTRITIONAL INTERVENTION TO IMPROVEMENT OF METABOLIC PARAMETERS IN PATIENTS WITH OBESITY
A3	<b>Pavlina Bazalova, Kateřina Kapounková, Vendula Györiová, Lucie Kúsová, Marie Šimová, Iva Hrnčířiková<sup>1</sup>, Zora Svobodová, Jana Halámková, Karolina Kapounková, Igor Kiss</b> THE EFFECT OF CHEMOTHERAPY AND A SUBSEQUENT ONLINE EXERCISE PROGRAM ON FITNESS AND BODY COMPOSITION IN ONCOLOGY PATIENTS
A4	<b>Mizuki Nakajima, Takeshi Sato</b> EFFECTS OF NORDIC WALKING IN WATER ON MUSCLE ACTIVATION
A5	<b>Vesna Šeper, Nebojša Nešić</b> HOW DO YOU DO? GREAT - CREATINE THANK YOU!
A6	<b>Hasan Ozki, Ramiz Arabaci, Coskun Rodoplu, Huseyin Topcu</b> COMPARISON OF THE ACUTE EFFECTS OF LOW VS. HIGH ALTITUDE ON AUTONOMIC NERVOUS SYSTEM DURING 3000-M RUNNING AND RECOVERY IN ELITE YOUTH ATHLETES
A7	<b>Samo Rauter, Lara Maretič, Simon Iskra, Radoje Milić</b> APPLICABILITY OF THE CYCLING POWER PROFILE FIELD TEST FOR DETERMINING TRAINING ZONES
A8	<b>Nikolina Šantek, Sanja Langer, Ivanka Benčić, Ljilja Štefančić, Maja Berković Cigrovski, Iva Kirac</b> PREHABILITATION IN COLORECTAL CANCER PATIENTS- IS THERE ROOM FOR MORE OUTDOOR?
A9	<b>Marin Marinović, Sara Aščić, Danijela Kuna, Mijo Ćurić</b> IMPACT OF REPEATED COUNTERMOVEMENT JUMPS TO FAILURE ON CONTRACTILE PROPERTIES OF VASTUS MEDIALIS MUSCLE: A PILOT STUDY
A10	<b>Jadranka Plavšić, Milena Antić, Vladimir Jakovljević</b> THE IMPACT OF INTENSIVE TRAINING ON THE MORPHOLOGICAL AND FUNCTIONAL CARDIOVASCULAR ADAPTATION OF WATER POLO AND VOLLEYBALL PLAYERS
A11	<b>Iva Crnarić, Maroje Sorić, Marjeta Mišigoj-Duraković</b> 24-H MOVEMENT BEHAVIOURS, EXERCISE HABITS AND PHYSICAL FITNESS IN ADOLESCENTS WITH ATOPIC DERMATITIS: THE CRO-PALS STUDY
A12	<b>Migena Plasa, Ferdinand Mara</b> ANAEROBIC PERFORMANCE OF FEMALE BASKETBALL PLAYERS 16-18 YEARS OLD
A13	<b>Duhurata Bozo, Jonida Balla</b> MOLECULAR TECHNIQUES FOR THE IDENTIFICATION OF GENETIC ASSOCIATION WITH SPORT PERFORMANCE TRAITS
A13	<b>Elizabeta Dodaj, Dhimitraq Prifti, Ana Sulaj</b> THE EFFECT OF EXERCISE PROTOCOL AND KINESIO TAPING ON IMPROVING BALANCE BASKETBALL WITH TALOCRURAL JOINT INSTABILITY. A PRECEEDING PROJECT
A14	<b>Mateja Zdravec, Maja Cigrovski Berković, Ana-Marija Liberati Pršo</b> SEASONAL GLYCEMIC VARIATION IN PATIENTS WITH TYPE 1 DIABETES AND TYPE 2 DIABETES/PREDIABETIC
A15	<b>Mila Vukadinović Jurišić, Anja Obradović, Bojan Rašković, Jelena Obradović</b> THE RELATIONSHIP BETWEEN BODY COMPOSITION AND PHYSICAL PERFORMANCE IN ADOLESCENT HANDBALL PLAYERS
A16	<b>Marinko Grgić, Iva Šklempe Kokić</b> INJURY FREQUENCY AND MOST COMMON INJURIES AMONG PROFESSIONAL FOOTBALL PLAYERS IN CROATIA
A17	<b>Ana Carolina Paludo, Mayara Maciel Batista, Lucie Lipková, Dominik Bokůvka, Tomáš Vencúrik, Marta Gimunová</b> EFFECT OF MENSTRUAL CYCLE PHASE AND PERCEPTUAL RESPONSES IN BRAZILIAN FOOTBALL 7 PLAYERS: A PILOT STUDY
A18	<b>Adam Wagner, Michaela Beníčková, Viktorie Bulínová</b> PREVALENCE OF LOW ENERGY AVAILABILITY AMONG FEMALE ATHLETES: A TIER-BASED PERSPECTIVE FROM RECREATIONAL TO PROFESSIONAL LEVELS
A19	<b>Michaela Beníčková, Adam Wagner, Marta Gimunová</b> IMPACT OF MENSTRUAL SYMPTOMS ON DAILY LIFE: DOES CHRONOTYPE PLAY A ROLE IN YOUNG WOMEN'S EXPERIENCES?
A20	<b>Sanda Marušić, Radenka Munjas Samarin, Maja Cigrovski Berković</b> A SURVEY ON HEALTH HABITS AND BODY WEIGHT IN THE GENERAL ADULT POPULATION IN CROATIA
A21	<b>Anja Lazić, Valentin Barišić, Nebojša Trajković</b> VIGOROUS VS. MODERATE EXERCISE SNACKING ON GLYCEMIC CONTROL, CARDIORESPIRATORY FITNESS, AND BODY COMPOSITION IN PATIENTS WITH TYPE 2 DIABETES MELLITUS: STUDY PROTOCOL

A22	<b>Jonida Drizaj, Robert Čina, Vjollca Shpata</b> THE EFFECTIVENESS OF DYNAMIC NEUROMUSCULAR STABILIZATION EXERCISES ON OVERHEAD ATHLETES SHOULDER JOINT. A PROCEEDING PROJECT
A23	<b>Veronika Hlaváčová, Miriam Babicová, Ivan Hric</b> THE EFFECT OF PROBIOTIC CAPSULES FROM BRYNDZA CHEESE ON GUT MICROBIOME IN YOUNG RUNNERS
A24	<b>Roberto Roklicer, Marko Manojlović, Nemanja Maksimović, Anja Obradović, Tatjana Trivić, Patrik Drid</b> INFLUENCE OF RAPID WEIGHT LOSS ON HEMATOLOGICAL PARAMETERS IN NATIONAL-LEVEL WRESTLERS

Congress hall 1/3

**B: Adapted physical activity and kinesitherapy**

Chairpersons: Tatjana Trošt Bobić, Lidija Petrinović, Antonia Kaltsatou

B1	<b>Dalibor Kiseljak</b> HAMSTRING FLEXIBILITY ASSESSMENT USING TWO UNILATERAL CLINICAL TESTS
B2	<b>Aldo Muçalliu, Fatbardha Kovaçi, Adri Kasmi</b> ANTHROPOMETRICAL PREDICTORS OF RUNNING WITH CRUTCHES PERFORMANCE IN LOWER LIMB AMPUTEES
B3	<b>Domagoj Šumatić, Marko Bukvić, Tatjana Trošt Bobić</b> LONG-TERM EFFECTS OF STRETCHING ON JUMPING ABILITY
B4	<b>Lidija Petrinović, Lara Juriša, Tatjana Trošt Bobić</b> PARA BADMINTON WORLD CHAMPIONSHIPS PERSPECTIVES FROM 2013 TO 2024
B5	<b>Lara Pavelić Karamatić, Donata Vidaković Samaržija</b> CORRELATIONS BETWEEN ANTHROPOMETRIC VARIABLES AND VARIABLES FOR THE ASSESSMENT OF MOTOR AND CARDIORESPIRATORY FITNESS

Congress hall 1/3

**C: Top-level sport**

Chairpersons: Igor Gruić, Ľubor Tománek, Daniel Bok

C1	<b>Georgiy Korobeynikov, Fikrat Kerimov, Lesia Korobeinikova, Olga Goncharova</b> DECISION-MAKING AND MOTOR SKILLS IN ELITE WRESTLERS
C2	<b>Maciej Śliż, Rafał Krupa</b> DIFFERENCES IN PSYCHOMOTOR ABILITIES AMONG PROFESSIONAL AND AMATEUR MALE HANDBALL PLAYERS
C3	<b>Kristián Kováč, Matej Babić, Marco Obetko, Miroslav Holienka</b> LEVEL OF DISJUNCTIVE REACTION ABILITIES IN YOUTH SOCCER GOALKEEPERS
C4	<b>Josip Miočić, Luka Androja, Tonči Jerak</b> DIFFERENCES IN MOTOR SKILLS BETWEEN DIFFERENT QUALITATIVE GROUPS OF GOALKEEPERS IN SCHOOL FOOTBALL
C5	<b>Belkheyr Kaddour Bey, Ameer Housseyn, Mohammed Zerf</b> ARMS CONTRIBUTION AND THEIR POWERS ON PLAYER VERTICAL JUMP VOLLEYBALL TESTS PERFORMANCE
C6	<b>Elena Milenković, Gordana Furjan Mandić, Josipa Radaš</b> DIFFERENCES IN FLEXIBILITY OF LOWER EXTREMITIES BETWEEN ARTISTIC AND RHYTHMIC GYMNASTICS

## Poster presentations

Friday, September 13, 2024  
12:15-13:45

C7	<b>Mert Arabaci</b> ASSESSMENT SOME TECHNICAL PARAMETERS OF ELITE MALE TENNIS PLAYERS ACCORDING TO WORLD RANKINGS (ATP)
C8	<b>Mladen Hraste, Igor Jelaska, Luka Subašić</b> STRUCTURAL ANALYSIS OF THE OPTIMAL AGE TO LEARN WATER POLO TACTICS ELEMENTS ACCORDING TO EXPERT OPINION
C9	<b>Damir Harapin, Damir Knjaz, Dragan Milanović</b> DIFFERENCES IN COMPETITIVE PERFORMANCE INDICATORS BETWEEN WINNING MEN AND WINNING WOMEN 3X3 BASKETBALL TEAMS
C10	<b>Ivan Perzel, Dajana Zoretić, Dragan Milanović</b> DEVELOPMENT CURVE OF THE BEST RESULTS OF FEMALE PARA SWIMMERS IN THE 200 INDIVIDUAL MEDLEY IN THE SM8 CLASS
C11	<b>Boris Metikoš, Natalija Špehar, Marko Milanović, Valter Perinović</b> ASSOCIATION OF DEMOGRAPHIC, GEOGRAPHIC, AND ECONOMIC FACTORS OF COUNTRIES WITH THE NUMBER OF MEDALS WON IN TABLE TENNIS AT THE EUROPEAN CHAMPIONSHIPS
C12	<b>Josip Jozić, Željko Lukenda, Marko Milanović, Valter Perinović, Natalija Špehar</b> DIFFERENCES IN THE COMPETITIVE PERFORMANCE INDICATORS OF GRAND SLAM WINNER AT AUSTRALIAN OPEN AND WIMBLEDON IN 2021
C13	<b>Marko Žaja, Hrvoje Sertić, Ivan Segedi</b> DIFFERENCES IN HEART RATE PARAMETERS OF COMPETITIVE PERFORMANCES IN BOXING AND KICKBOXING
C14	<b>Marija Milas, Lucija Milčić, Kamenka Živčić</b> METRIC CHARACTERISTICS OF FLEXIBILITY TESTS IN ARTISTIC GYMNASTICS
C15	<b>Ljubomir Antekolović, Mateo Čulina, Marijo Baković</b> CORRELATIONS BETWEEN KINEMATIC VARIABLES AND RESULTS IN ELITE MALE 100-METRE SPRINTERS
C16	<b>Milan Petronijević, Milivoj Dopsaj, Zoran Valdevit</b> TOPOLOGICAL STRUCTURE DIFFERENCE BETWEEN ISOMETRIC STRENGTH AND RATE OF FORCE DEVELOPMENT IN ELITE YOUTH FEMALE TEAM HANDBALL PLAYERS
C17	<b>Saša Cecić Erpič, Janja Usenik</b> COACHES' KNOWLEDGE AND PERCEPTIONS OF EATING DISORDERS IN SPORT
C18	<b>Alan Franjković, Bojan Matković, Tomislav Vlahović</b> PASSING DIFFERENCES BETWEEN WINNING AND LOSING TEAM IN NATIONAL HOCKEY LEAGUE (NHL)
C19	<b>Tomica Rešetar, Paula Krmpotić, Mateja Krmpotić</b> COMPARISON OF POINTS WON IN A SET IN TOP-LEVEL WOMEN'S BEACH VOLLEYBALL WITH REGARD TO THE RESULT OUTCOME
C20	<b>Damir Šegota, Kenneth Lee Swalgin, Ivan Belčić</b> AGILITY, SPEED AND COORDINATION DIFFERENCES BETWEEN NATIONAL AND INTERNATIONAL HANDBALL REFEREES
C21	<b>Aleksandar Selmanović, Saša Milovuković, Tihomir Bujan</b> EVALUATION OF BASKETBALL SET OFFENSE BASED ON DURATION AND MAJOR TACTICAL ELEMENTS
C22	<b>Igor Gruić, Ivan Vlah</b> ANALYSIS OF THE HANDBALL RULE 'ZERO STEP' IN OPEN AND CLOSED MOTOR PERFORMANCE PROGRAM
C23	<b>Dejan Javorac, Jelena Slankamenac, Marijana Ranisavljev, David Nedeljковиć, Saša Marković, Slavko Molnar</b> THE INFLUENCE OF VERTICAL JUMP PERFORMANCE ON CHANGE OF DIRECTION SPEED IN FEMALE FUTSAL PLAYERS
C24	<b>Tomislav Krističević, Mia Žerjav, Marijo Možnik</b> PRESSURE DISTRIBUTION DIFFERENCES ACROSS VARIOUS TURNS IN ALPINE SKIING – CASE-CONTROL STUDY
C25	<b>Emma Turk, Fran Žganec Brajša, Jere Gulin, Daniel Bok</b> THE VALIDITY OF RATING OF PERCEIVED EXERTION TO PRESCRIBE HIGH-INTENSITY INTERVAL TRAINING IN PHYSICALLY ACTIVE ADULTS
C26	<b>Bojan Rašković, Vanja Dimitrijević, Mila Vukadinović Jurišić, Dejan Javorac, Miloš Kojić, Milan Cvetković, Borislav Obradović</b> BONE MINERAL DENSITY IN ELITE MALE ATHLETES ACCORDING TO DIFFERENT SPORTS: A SYSTEMATIC REVIEW

Congress hall 1/3

**D: Sports recreation**

Chairpersons: Donald Roberson, Danijel Jurakić, Marija Rakovac

D1	<b>Ernest Šabić, Nijaz Skender, Milan Nešić, Natalija Kurtović</b> REASONS FOR STUDENT ENGAGEMENT IN FITNESS PROGRAMS
D2	<b>Esra Kurt, Ramiz Arabaci</b> THE EFFECTS OF BIOLOGICAL AND ENVIRONMENTAL FACTORS ON GROSS MOTOR SKILLS OF 9-12 YEAR-OLD CHILDREN: "THE WHOLE IS DIFFERENT FROM THE SUM OF ITS PARTS"
D3	<b>Lucija Rakitić, Zvonimir Tomac, Ivan Perić</b> PRELIMINARY INSIGHTS INTO PHYSICAL ACTIVITY LEVELS AND THEIR ASSOCIATION WITH OBESITY INDICATORS AMONG ADOLESCENTS AGED 15-18 YEARS IN EASTERN SLAVONIA
D4	<b>Petra Čuljak, Sara Božić, Monika Arači, Antonio Martinko, Nina Petričević, Hrvoje Radašević, Maroje Sorić</b> THE ASSOCIATIONS OF DIFFERENT DOMAINS OF SOCIO-ECONOMIC STATUS WITH PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOUR IN CHILDREN
D5	<b>Darinka Korovljev, Nikola Todorović, Bojana Harrison, Valdemar Štajer, Susana Franco, Vera Simões, John van Heel, Sergej M. Ostojić</b> EMPOWERING HEALTH EDUCATION THROUGH HEALTHY LIFESTYLE NETWORK EUROPE: LEVERAGING DIGITAL PLATFORMS AND COMMUNITY SUPPORT FOR LIFELONG LEARNING
D6	<b>Ivana M. Milovanović, Brigita Banjac, Saša Pišot, Patrik Drid</b> INVESTIGATION OF THE SPORTS SCIENCE STUDENTS' EVERYDAY LIFE DURING THE COVID-19 PANDEMIC
D7	<b>Tamara Zličić, Roman Tabakov, Anastasia Tabakova, Tijana Šćepanović, Darinka Korovljev</b> URBAN/RURAL DIFFERENCES IN LIFESTYLE HABITS AMONG STUDENTS OF THE UNIVERSITY OF NOVI SAD
D8	<b>Mirjana Đukić, Marijana Ranisavljev, Nikola Todorović, Jovan Kuzmanović, Sonja Baltić, David Nedeljković, Valdemar Štajer</b> PHYSICAL ACTIVITY AMONG FEMALE UNIVERSITY STUDENTS
D9	<b>Fran Žganec Brajša, Matija Grbavac, Hrvoje Radašević, Nina Petričević, Tena Matolić, Danijel Jurakić, Sanja Šalaj</b> IS CHILDREN PERCEPTION OF ENVIRONMENT ASSOCIATED WITH THEIR SEDENTARY BEHAVIOUR?
D10	<b>Danijel Jurakić, Tena Matolić</b> EXPLORING BARRIERS TO SPORT AND EXERCISE PARTICIPATION IN CROATIA: A POPULATION-BASED STUDY
D11	<b>Miloš Kojić, Tijana Šćepanović, Stefan Maričić, Mirjana Đukić</b> THE IMPACT OF TRADITIONAL DANCE ON HEALTH AND QUALITY OF LIFE: A SYSTEMATIC REVIEW

## Parallel sessions, oral presentations

Friday, September 13, 2024  
17:00-18:00

### Hall 1

#### Adapted physical activity and kinesitherapy

Chairpersons: Tatjana Trošt Bobić, Lidija Petrinović, Antonia Kaltsatou

17:00-17:10	<b>Josipa Nakić, Erol Kovačević, Ensar Abazović</b> SYMPTOMS OF NECK MUSCULOSKELETAL DISORDERS IN WOMEN AND MEN ADMINISTRATIVE WORKERS
17:10-17:20	<b>Sanja Novak Orlić, Andrea Miškulin</b> UNVEILING THE MYSTERIES OF RYR-1: PHYSIOTHERAPY RESULTS OF ACHIEVING MOTOR CONTROL
17:20-17:30	<b>Iva Šklempe Kokić, Matko Vuksanić, Tomislav Kokić</b> SEX-BASED DIFFERENCES IN THE OUTCOMES OF TOTAL HIP AND KNEE ARTHROPLASTY - SECONDARY ANALYSIS OF DATA FROM TWO RANDOMIZED CONTROLLED TRIALS
17:30-17:40	<b>Tihomir Vidranski, Katarina Šarčević Ivić-Hofman, Hrvoje Sivrić</b> DIFFERENCES BETWEEN STUDENTS WITH DISABILITIES IN ADOPTING SOME GUIDELINES OF EDUCATIONAL WORK IN THE TEACHING OF P.E.
17:40-17:50	<b>Petra Rajković Vuletić, Marijana Čavala</b> SIX-MINUTE WALK TEST IN ADULTS WITH DOWN SYNDROME: TEST-RETEST RELIABILITY
17:50-18:00	<b>Ana Vuljanić, Srna Jenko Miholić, Dragana Tišma</b> FACTORS INFLUENCING THE PARTICIPATION OF ELITE CROATIAN DEAF ATHLETES IN SPORTS

### Hall 2

#### Sports recreation

Chairpersons: Donald Roberson, Danijel Jurakić, Marija Rakovac

	<b>Brigita Banjac, Ivana M. Milovanović, Radenko M. Matić, Saša Pišot</b> STUDENTS PHYSICAL ACTIVITY BEHAVIORS DURING THE COVID-19 PANDEMIC
	<b>Cíntia França, Sadaf Ashraf, Adilson Marques, Andreas Ihle, Helder Lopes, Pedro Campos, Élvio Gouveia</b> EFFECTS OF EXERGAMES ON PHYSICAL FITNESS VARIABLES OF OVERWEIGHT AND OBESE YOUNGSTERS: A SYSTEMATIC REVIEW
	<b>Ivan Bon, Vjekoslav Cigrovski, Petra Bojanić, Mateja Očić, Lana Ružić</b> SKI SIMULATOR CAN BE USED BY RECREATIONAL SKIERS DURING PREPARATION PERIOD FOR ALPINE SKIING
	<b>Donald Roberson, Ivan Radošević</b> THE POTENTIAL OF COMMUNITY WALKING: INVESTIGATING THE CROATIAN WALKING FESTIVAL – ‘COME WALK WITH ME’
	<b>Danijela Živković, Ljubica Lalović, Anđela Došić, Vanja Cicović, Borislav Cicović, Saša Pantelić</b> DIFFERENCES IN THE QUALITY OF LIFE IN RELATION TO THE LEVEL OF PHYSICAL ACTIVITY AMONG HIGH SCHOOL AND UNIVERSITY STUDENTS
	<b>Marija Rakovac, Hana Knežević Krajina, Davor Šentija</b> SOCIODEMOGRAPHIC AND BUILT ENVIRONMENT CORRELATES OF TRANSPORTATION PHYSICAL ACTIVITY OF THE COMMUNITY-DWELLING OLDER PERSONS IN THE ZAGREB AREA



# Saturday September 14, 2024

8:00	<b>POSTER HANGING</b> - DISPLAY LOCATIONS: F, G, H, I, J		
9:00-10:30	PARALLEL SESSIONS		
	<i>Congress hall</i>	<i>Hall 1</i>	<i>Hall 2</i>
	<b>Physical education</b> (page 19)	<b>Physical conditioning and injury prevention</b> (page 19)	<b>Biomechanics and motor control</b> (page 19)
10:30 – 11:00	<b>COFFEE BREAK</b>		
	<i>Congress hall</i>		
11:00-12:30	<b>PLENARY SESSION INVITED LECTURES (DOCTORAL SCHOOL)</b>		
	<p><b>Urs Granacher</b>, PhD, University of Freiburg, Germany          NEUROMUSCULAR TRAINING FOR PERFORMANCE DEVELOPMENT AND INJURY PREVENTION IN YOUTH ATHLETES</p> <p><b>Arnold Baca</b>, PhD, University of Vienna, Austria          PERSPECTIVES OF ARTIFICIAL INTELLIGENCE IN HUMAN MOTION ANALYSIS</p> <p><b>Dominic Malcom</b>, PhD, Loughborough University, UK          THE POLITICS OF SPORT AND HEALTH: HOW NEOLIBERALISM INFORMS PHYSICAL ACTIVITY POLICY AND LIMITS ITS SUCCESS</p>		
12:30-12:45	<b>BREAK</b>		
	POSTER PRESENTATIONS		
12:45-14:15	<p><b>E: Physical education</b> (page 20)</p> <p><b>F: Social sciences and humanities</b> (page 20)</p> <p><b>G: Physical conditioning and injury prevention</b> (page 21)</p> <p><b>H: Biomechanics and motor control</b> (page 22)</p> <p><b>I: Research methodologies, data science and emerging research methods</b> (page 22)</p>		
14:15-16:00	<b>BREAK</b>		
	<i>Congress hall</i>		
16:00-17:00	<b>PLENARY SESSION INVITED LECTURES (DOCTORAL SCHOOL)</b>		
	<p><b>Martin Lames</b>, TTechnical University of Munich, Germany          MACHINE LEARNING IN PERFORMANCE ANALYSIS - KING'S ROAD OR PLAYING GROUND?</p> <p><b>Kristoffer Henriksen</b>, PhD, University of Southern Denmark, Denmark          OPTIMIZING SPORT ENVIRONMENTS TO SUPPORT ATHLETE MENTAL HEALTH</p>		
17:00-17:30	<b>COFFEE BREAK</b>		
17:30-19:00	PARALLEL SESSIONS		
	<i>Congress hall</i>	<i>Hall 1</i>	<i>Hall 2</i>
	<b>Social sciences and humanities</b> (page 23)	<b>Physical education</b> (page 23)	<b>Research methodologies, data science and emerging research methods</b> (page 23)
20:00	<b>POSTER DISPLAY DISSEMBLING</b>		

# Parallel sessions, oral presentations

Saturday, September 14, 2024  
9:00 - 10:30

	Congress hall	Hall 1	Hall 2
	<b>Physical education</b> <i>Chairpersons:</i> Hrvoje Podnar, Gabriela Luptakova, Tanja Petrušić	<b>Physical conditioning and injury prevention</b> <i>Chairpersons:</i> Urs Granacher, Igor Jukić, Cvita Gregov, Luka Milanović	<b>Biomechanics and motor control</b> <i>Chairpersons:</i> Arnold Baca, Saša Vuk, Mario Kasović
09:00 - 09:10	<b>Gabriela Luptáková, Branislav Antala, Ľubor Tománek</b> EFFECTS OF TANDEM TEACHING MODELS ON PUPILS' MOTOR COMPETENCIES DEVELOPMENT IN PRIMARY SCHOOL PHYSICAL EDUCATION	<b>Feng Li, Mateja Očić, Vedran Dukarić, Zhongchun Bi1, Damir Knjaz</b> THE INFLUENCE OF DIFFERENT COMPLEXITY COGNITIVE TESTS ON CHANGES IN REACTION SPEED TO VISUAL STIMULI IN BASKETBALL	<b>Wojciech Paško</b> ASSESSMENT OF THE LEVEL OF SPEED AND AGILITY ABILITIES OF POLISH SOLDIERS OF SPECIAL FORCES UNITS
09:10 - 09:20	<b>Krzysztof Przednowek, Élvio Rúbio Gouveia</b> PHYSICAL FITNESS LEVEL OF POLISH PRESCHOOL CHILDREN IN 2016-2023	<b>Michal Hrubý, Ondřej Venc1, Dušana Augustovičová, Ana Carolina Paludo</b> INJURIES SURVEILLANCE IN CZECH YOUTH FOOTBALL: A 23-WEEK EXAMINATION WITH U-19 AND U-18 PLAYERS	<b>Sara Aščić</b> THE EFFECT OF REPEATED COUNTERMOVEMENT JUMPS TO FAILURE ON VERTICAL JUMP PERFORMANCE
09:20-09:30	<b>Romana Caput-Jogunica, Anamarija Jazbec, Snježana Pejčić</b> STUDY ON DUAL CAREERS AND MENTAL HEALTH PROBLEMS OF CATEGORISED ATHLETES IN CROATIAN SECONDARY SCHOOLS	<b>Viktorie Bulinova</b> EFFECT OF WEIGHT CYCLING ON THE FEMALE MUAYTHAI FIGHTER – A CASE STUDY	<b>Mario Kasović, Tomaš Vespalec, Marin Marinović</b> ASSOCIATION OF HAND GRIP STRENGTH DEFICIT AND SPATIOTEMPORAL GAIT ASYMMETRIES IN OLDER YOUTH: A CROSS-SECTIONAL STUDY IN A SPECIAL SPORT POPULATION OF STUDENTS
09:30 - 09:40	<b>Sunčica Delaš Kalinski, Ana Kezić, Paula Matijašević</b> PSYCHOMETRIC PROPERTIES AND GENDER-RELATED DIFFERENCES IN THE HULA-HOOP TEST FOR CHILDREN	<b>Saša Vuk, Bruno Damjan</b> THE IMPACT OF INTER-SET REST INTERVAL DURATION ON TRAINING INTENSITY IN YOUNG TRAINED MALES	<b>Vjekoslav Cigrovski, Ivan Bon, Tomislav Rupčić</b> THE APPLICATION OF THE SKI TRACK SIMULATOR IN MASTERING THE FUNDAMENTALS OF ALPINE SKIING
09:40 - 09:50	<b>Marko Badrić, Leona Roca</b> OBESITY AND AEROBIC CAPACITY IN PRIMARY EDUCATION STUDENTS	<b>Martin Stojčević, Ivan Segedi, Tihana Nemčić Bojić</b> THE IMPACT OF SURFACE TYPE ON THE SPEED OF DIRECTION CHANGE FOR FOOTBALL PLAYERS	<b>Barbara Gilić, Saša Bašćevan</b> DIFFERENCES BETWEEN ATHLETES FROM CONTACT AND NON-CONTACT SPORTS IN KNEE MOBILITY DEGREE AND FUNCTIONAL HAMSTRING TO QUADRICEPS STRENGTH RATIO
09:50-10:00	<b>Đurđica Miletić, Alen Miletić, Jure Pisac</b> SERVICE LEARNING ACTIVITIES IMPLEMENTATION IN CURRICULA FOR KINESIOLOGY STUDENTS	<b>Hrvoje Sertić, Marijan Jozić, Miroslav Zečić</b> EVALUATION OF THE LEVEL OF THE BASIC MOTOR ABILITIES OF INTERVENTION FORCE MEMBERS WITH AN EMPHASIS ON THE IMPORTANCE OF EXPLOSIVE POWER AND REPETITIVE RELATIVE STRENGTH LEVELS	<b>Dragan Marinković, Danilo Radanović, Draženka Mačak, Dejan Madić</b> DYNAMIC PLANTAR PRESSURE AND PLANTAR FORCE ASYMMETRY IN PARTICIPANTS WITH ANKLE DISTORTION
10:00-10:10	<b>Richard Melichar, Tomáš Perič</b> EVALUATING THE IMPACT OF COVID-19 ON UPPER-BODY AND CORE STRENGTH IN CZECH CHILDREN AGED 11-15	<b>Jere Gulin, Vlatko Vučetić</b> EVALUATING SPRINTING SPEED IN VARIOUS DIRECTIONS	<b>Lucie Lipková, Ivan Struhár</b> THE IMMEDIATE EFFECT OF KINESIO TAPE ON STATIC POSTURAL STABILITY IN HEALTHY INDIVIDUALS: A RANDOMIZED CONTROLLED STUDY
10:10-10:20	<b>Conghuan Zhao, Ranqing Liu</b> DIVERSITY IN ACADEMIC JOURNEYS: EXPLORING THE VARIED COLLEGE EXPERIENCES OF STUDENTS IN PHYSICAL EDUCATION INSTITUTIONS	<b>Yonghui Chen, Jing Mi</b> ORIGIN, APPLICATION, AND MECHANISM OF SAND TRAINING: A REVIEW	<b>Pavel Korvas, Jan Janeček, Veronika Kührová, Berbora Pevná, Emma Vítková, Jan Šťastný</b> ANALYSIS OF MUSCLE ACTIVITY DURING CROSS-COUNTRY SKIING IN SKIERS WITH DIFFERENT QUALITY OF TECHNIQUE
10:20-10:30		<b>Anisa Nurja, Enkeleida Lleshi</b> AGILITY PERFORMANCE IMPROVES AFTER 12 -WEEK OF TRAINING PROGRAM FOCUSED ON PLYOMETRIC EXERCISES IN FEMALE PRE-ADOLESCENT VOLLEYBALL PLAYERS	<b>Ivan Svoboda, Tomislav Rupčić</b> EFFECT OF MOTOR SKILLS ON KINEMATIC PARAMETERS IN DIFFERENT SHOOTING TECHNIQUES IN BASKETBALL

## Poster presentations

Saturday, September 14, 2024  
12:45-14:15

Congress hall 1/3

**E: Physical education**

Chairpersons: Tihomir Vidranski, Romana Caput Jogunica, Arunas Emeljanovas

E1	<b>Luka Pleša, Damir Pekas, Matija Jug-Dujaković, Anita Granoša, Vanja Radišić Biljak</b> THE LONG-TERM EFFECTS OF JUDO TRAINING ON PRIMARY SCHOOL CHILDREN
E2	<b>Hrvoje Podnar, Petra Lončar, Marta Vladanović, Ana Zorić Vuković, Krešimir Hrg</b> THE IMPACT OF CLASSROOM-BASED PHYSICAL ACTIVITY ON STUDENT ACADEMIC PERFORMANCE AND ATTENDANCE RATES
E3	<b>Vicenç Hernández-González, Enric Conesa-Millian, Carmen Jové-Deltell, Joaquim Reverter-Masia</b> DETERMINANTS OF HEALTH IN PRIMARY AND SECONDARY EDUCATION: PHYSICAL ACTIVITY LEVELS AND BODY COMPOSITION
E4	<b>Elżbieta Cieśla, Marzena Podsiedlik, Edyta Suliga, Magdalena Lelonek</b> MOTOR PERFORMANCE OF PRESCHOOL CHILDREN - A CROSS SECTIONAL STUDY
E5	<b>Arunas Emeljanovas, Brigita Miezienė</b> SECULAR TRENDS IN BODY SIZE IN LITHUANIAN CHILDREN AND ADOLESCENTS BETWEEN 1992 AND 2022
E6	<b>Valentin Barišić, Anja Lazić, Nebojša Trajković</b> EFFECTS OF RECREATIONAL FOOTBALL AND HIGH-INTENSITY INTERVAL TRAINING ON BODY COMPOSITION IN OVERWEIGHT ADOLESCENTS
E7	<b>Tanja Petrušić, Dario Novak, Lejla Dizdarević</b> ENHANCING PHYSICAL ACTIVITY LEVELS AND FITNESS IN THIRD-GRADE CHILDREN: A 12-WEEK INTERVENTION WITH STRUCTURED OUTDOOR GAMES
E8	<b>Philipp Kornfeind, Gerald Steindl, Arnold Baca</b> INTELLIGENT TECHNOLOGIES IN PHYSICAL EDUCATION FOR SCHOOL STUDENTS WITH VISION IMPAIRMENT OR BLINDNESS
E9	<b>Boris Popović, Snežana Damjanović, Dragan Marinković, Danilo Radanović, Nataša Babić, Dejan Madić, Draženka Mačak</b> DAILY PHYSICAL ACTIVITY INTERVENTION IMPROVES MOTOR COMPETENCE IN PRESCHOOL CHILDREN
E10	<b>Mirna Mikić, Mario Matić</b> EXPECTATIONS FROM PARENTS OF CHILD ATHLETES
E11	<b>Donata Vidaković Samaržija, Lara Pavelić Karamatić</b> INTERACTION OF GROSS AND FINE MOTORS IN PRIMARY EDUCATION STUDENTS
E12	<b>Marijana Hraski, Mateja Kunješić Sušilović, Paula Čubrilo</b> VALIDATION OF TESTS FOR ASSESSING MOTOR ABILITIES IN PRESCHOOL CHILDREN AND MONITORING THEIR DEVELOPMENT DEPENDING ON INVOLVEMENT IN PHYSICAL ACTIVITIES
E13	<b>Jelena Alić, Ivana Rudan, Gordana Ivković</b> THE CORRELATION BETWEEN COORDINATION AND VISUAL-MOTOR INTEGRATION IN PRESCHOOL-AGED CHILDREN

Congress hall 1/3

**F: Social sciences and humanities**

Chairpersons: Dominic Malcolm, Sunčica Bartoluci, Dario Škegro

F1	<b>Marin Galić</b> INFLUENCE OF THE COURSE "SPORTS JOURNALISM" ON THE ATTITUDE OF FEMALE STUDENTS ABOUT WOMEN IN SPORTS JOURNALISM
F2	<b>Marko Marelić, Tomislav Đurković, Marino Marelić</b> GENDER TYPING OF VOLLEYBALL IN CROATIA
F3	<b>Ivan Čolakovac, Iva Barković, Josipa Radaš</b> ANALYSIS OF SCIENTIFIC PRODUCTION ON RHYTHMIC GYMNASTICS
F4	<b>Josipa Nekić, Renata Barić, Vicko Čudina</b> HOW TO PERSIST IN SENIOR SWIMMING?

## Poster presentations

Saturday, September 14, 2024  
12:45-14:15

F5	<b>Joca Zurc</b> THE CHILD-CENTERED OR SUBJECT-CENTERED: THE PLACEMENT OF PHYSICAL EDUCATION IN THE NEW SCHOOL CURRICULUM REFORM IN SLOVENIA
F6	<b>Renata Barić, Vedran Jakobek, Marijo Možnik</b> GYMNASTICS COACHES' KNOWLEDGE ABOUT EATING DISORDERS
F7	<b>Andrej Ivan Nuredinović, Dino Vukušić</b> BALKAN ULTRAS - AN INSIGHT INTO THE CONCAVITY OF ULTRAS AS SUBCULTURAL ACTORS
F8	<b>Elona Mehmeti, Orkida Kosta</b> A COMPREHENSIVE REVIEW OF THE HOME HANDEDNESS QUESTIONNAIRE AT THE SPORT UNIVERSITY OF TIRANA
F9	<b>Janja Usenik</b> ASSESSING ATHLETES' MENTAL HEALTH LITERACY
F10	<b>Grgur Višić, Mario Kasović, Goran Sporiš, Marko Badrić, Davorin Antonić</b> KINESIOLOGY FOR THE 21ST CENTURY (PARADIGM AND STRUCTURE SHIFT OF KINESIOLOGY)
F11	<b>Sunčica Bartoluci, Damir Šegota, Darko Katović</b> GENDER DIFFERENCES AND NATIONALIST DISCOURSE IN CROATIAN OLYMPIC COVERAGE: A MIXED-METHODS ANALYSIS OF THE 2024 PARIS OLYMPICS
F12	<b>Zrinko Čustonja, Dario Škegro</b> "PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS" BY ANDRIJA HAJDINJAK PUBLISHED IN 1875 - FIRST TEXTBOOK FOR PHYSICAL EDUCATION WRITTEN IN THE CROATIAN LANGUAGE
F13	<b>Martina Mavrin Jeličić, Marija Roth Jelisavčić, Kristijan Slačanac</b> CONNECTION BETWEEN MODERATED PHYSICAL ACTIVITY ON VITALITY AND MENTAL HEALTH OF STUDENTS
F14	<b>Ana Penjak, Jelena Žanić Mikuličić</b> GENDER DIFFERENCES IN METACOGNITIVE AWARENESS LEVELS AND L2 LISTENING SKILLS IN KINESIOLOGY STUDENTS
F15	<b>Artemis Bajaziti, Marsela Shehu</b> A PSYCHO-SOCIAL ASSESSMENT OF THE DOPING PHENOMENON IN ALBANIAN SPORT
F16	<b>Danijela Kuna, Lana Škorić, Terezija Buljan</b> CONTRIBUTIONS OF SPECIFIC TRAITS AND COPING STRATEGIES OF ATHLETES TO PSYCHOLOGICAL DISTRESS DURING THE COVID-19 PANDEMIC

### Congress hall 1/3

#### G: Physical conditioning and injury prevention

Chairpersons: Urs Granacher, Igor Jukić, Cvita Gregov, Luka Milanović

G1	<b>Boris Bazanov, Indrek Rannama</b> RELATIONSHIP BETWEEN JUMPING HEIGHT, LOWER LIMB VERTICAL TAPPING FREQUENCY AND ANAEROBIC ENDURANCE AMONG YOUNG ATHLETES OF VARIOUS TEAM SPORTS
G2	<b>Mark Dodaj, Arben Kaçurri, Marsida Bushati</b> THE IMPACT OF CORE INTEGRATION TRAINING ON DYNAMIC STABILITY
G3	<b>Leon Miliša, Marin Dadić</b> RELATION BETWEEN UPPER BODY FORCE - VELOCITY PROFILE AND HANDBALL THROW VELOCITY
G4	<b>Fregen Dhamaj Dedja, Vjollca Shpata, Klejda Tani</b> POSTURAL DISORDERS IN ATHLETES
G5	<b>Ivan Rozga, Saša Krstulović, Josip Maleš, Goran Kuvačić</b> MONITORING INTERNAL TRAINING LOAD AND WELLNESS PARAMETERS IN JUDO

## Poster presentations

Saturday, September 14, 2024  
12:45-14:15

## Congress hall 1/3

**H: Biomechanics and motor control**

Chairpersons: Arnold Baca, Saša Vuk, Mario Kasović

H1	<b>Vilko Petrić, Sanja Ljubičić, Sara Jakšić</b> INFLUENCE OF THE BODY MASS INDEX ON THE MOTOR PATTERNS OF WALKING IN CHILDREN OF AN EARLY AND PRESCHOOL AGE
H2	<b>Patryk Marszałek, Krzysztof Przednowek</b> EFFECT OF INCLINATION ON THE CHANGE OF SPATIOTEMPORAL PARAMETERS OF GAIT OF SPECIAL FORCES SOLDIERS
H3	<b>Indy Man Kit Ho, Zoe Wing Yi Tai, Jim Tze Chung Luk</b> THE COMPARISON OF LOWER LIMB JOINT KINETICS AND KINEMATICS BETWEEN SINGLE-LEG DROP LANDING WITH OR WITHOUT THE BALL CATCHING TASK
H4	<b>Konrad Maciejewski</b> COMPARISON OF UPPER LIMB'S BIOMECHANICS PARAMETERS IN TENNIS IN TERMS OF SPORTS LEVEL
H5	<b>Dagmar Moc Kralova, Petra Podhorna, Richard Adamik</b> CASE STUDY: DIERS FORMETRIC 4D AND PEDOSCAN ANALYSIS OF DIFFERENT TYPES OF STANDING POSITIONS
H6	<b>Bartosz Dziadek, Wiktoria Wojtyna</b> EFFECT OF FOOTWEAR ON STATIC BALANCE PARAMETERS IN WOMEN AGED 23-26 YEARS
H7	<b>Iva Macan, Klara Findrik, Mirela Šunda</b> THE ROLE OF BODY MASS IN ADOLESCENT BALANCE: INVESTIGATING ASSOCIATIONS
H8	<b>Jason Yu</b> THE EFFECT OF LEG DRIVE ON THE WEIGHT AND KINEMATIC CHARACTERISTICS OF BARBELL DURING 1-REPETITION-MAXIMUM BENCH PRESS
H9	<b>Dongmei Wang, Yushan Miao, Peixin Shen, Qipeng Song</b> EFFECTS OF STROBOSCOPIC GLASSES ON LOWER EXTREMITY BIOMECHANICS IN PEOPLE WITH CHRONIC ANKLE INSTABILITY DURING DROP LANDING

## Congress hall 1/3

**I: Research methodologies, data science and emerging research methods**

Chairpersons: Martin Lames, Darko Katović

I1	<b>Martinique Sparks, Gavin Smith, Marike Cockeran</b> A COMPARATIVE ANALYSIS OF PACKING-RATE KPI'S IN THE PREMIER DIVISIONS OF LEAGUES IN SOUTH AFRICA, ENGLAND, SPAIN, GERMANY AND UEFA CHAMPIONS LEAGUE
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	Congress hall	Hall 1	Hall 2
	<b>Social sciences and humanities</b> <i>Chairpersons:</i> Dominic Malcolm, Sunčica Bartoluci, Dario Škegro	<b>Physical education</b> <i>Chairpersons:</i> Tihomir Vidranski, Romana Caput Jogunica, Arunas Emeljanovas	<b>Research methodologies, data science and emerging research methods</b> <i>Chairpersons:</i> Martin Lames, Darko Katović
17:30-17:40	<b>Vedran Jakobek, Ana Đerek</b> THE RELATIONSHIP BETWEEN SELF-EFFICACY, GOAL ORIENTATIONS, AND INTRINSIC MOTIVATION IN ELEMENTARY PHYSICAL EDUCATION PUPILS	<b>Sanja Ljubičić, Roman Grobenski, Vilko Petrić</b> CORRELATION BETWEEN CHILDREN'S BODY MASS INDEX AND KINEMATIC MOVEMENT PATTERNS IN TASKS OF MASTERING RESISTANCE	<b>Michal Bozděch, Jiří Zháněl</b> ANALYZING AND PREDICTING CAREER TRAJECTORY OF MALE ELITE JUNIOR TENNIS PLAYERS: A MACHINE LEARNING APPROACH
17:40-17:50	<b>Dino Vukušić, Andrej Ivan Nuredinović</b> "BY THE PEOPLE FOR THE PEOPLE" - EMOTIONS AND THE ULTRAS' BATTLE AGAINST MODERN FOOTBALL IN AUSTRALIA AND CROATIA	<b>Tibor Balga, Iveta Cihová, Branislav Antala, Martin Dovičák, Beáta Ružbarská</b> PUPILS' PERSPECTIVES ON THE INVOLVEMENT OF COACHES IN TANDEM TEACHING IN PHYSICAL EDUCATION	<b>Ivana Klaričić, Josip Cvenić, Hrvoje Ajman</b> PERFORMANCE ANALYSIS IN HIGH LEVEL VOLLEYBALL: PROBLEM OF DEFINING THE SET SCORE
17:50-18:00	<b>Matej Kovačević</b> WHO'S AFRAID OF WOMEN IN SPORTS?	<b>Ivana Nikolić, Sara Pevec Čep, Snježana Marković</b> THE EFFECT OF FOLKLORE DANCE CONTENTS ON MOTOR SKILLS OF PRESCHOOL CHILDREN	<b>Martin Škopek, Jan Hnízdl, Jakub Ševcovic, Josef Heidler, Miroslav Ptáček</b> VIRTUAL REALITY VS. REAL WORLD: 3D KINEMATIC ANALYSIS IN TABLE TENNIS
18:00-18:10	<b>Jona Hoxha, Francesco Vitobello</b> CHANCE MEETING WITH BULLYING AND ITS CONSEQUENCES FOR ADOLESCENCE: THE SCHOOL SPORTIVE AREA BACKGROUND	<b>Lenka Vojtíková, Josef Heidler, Jan Hnízdl, Martin Škopek</b> CHANGES IN THE LEVEL OF ENDURANCE ABILITIES IN A SELECTED GROUP OF 11- TO 15-YEAR-OLD PUPILS RESULTING FROM THE COVID-19 PANDEMIC LOCKDOWNS IN THE CZECH REPUBLIC	<b>Duje Radman, Roberto Čaćan, Jelena Paušić</b> RELIABILITY AND VALIDITY OF THE EASYFORCE DYNAMOMETER FOR ASSESSING MAXIMAL HIP MUSCLE STRENGTH IN YOUTH FOOTBALL PLAYERS
18:10-18:20	<b>Branko Murić, Anđelo Maly, Mislav Kutleša</b> THE ROLE OF FAITH IN SPORT: THEOLOGICAL PERSPECTIVE	<b>Jana Labudová, Eva Procházková, Ľubomíra Benčuriková, Ľuboš Grznár, Matúš Putala</b> POSSIBILITIES OF EVALUATING THE BASIC SWIMMING COMPETENCES OF THE SCHOOL POPULATION	<b>Mary Jane De Souza, Nancy Williams, Ana Carla Salamunes</b> VALIDATION OF A TOOL TO IDENTIFY ENERGY DEFICIENCY IN EXERCISING WOMEN: THE FEMALE ENERGY DEFICIENCY QUESTIONNAIRE (FED-Q)
18:20-18:30	<b>Josipa Antekolović, Sunčica Bartoluci</b> THE POSITION OF FEMALE ATHLETES IN CROATIAN SOCIETY: WHEN WOMEN'S SPORT "SUFFERS"	<b>Maja Horvatin, Anja Topolovec, Jadranka Vlašić</b> HEIGHT-RELATED DISPARITIES IN COORDINATION SKILLS AMONG STUDENTS	<b>Hao He, Lizhong Chi</b> DECODING DECEPTION: THE IMPACT OF ATHLETIC EXPERTISE AND PRIOR INFORMATION ON DECISION-MAKING THROUGH COMPUTATIONAL MODELING
18:30-18:40	<b>Ivica Biletić, Mario Baić, Benjamin Perasović</b> CADET WRESTLERS' ATTITUDE TOWARDS CLUB COACHES AND PEERS	<b>Lucija Milčić, Marija Milas, Nikola Starčević</b> INFLUENCE OF SOME ANTHROPOMETRIC MEASURES ON FUNDAMENTAL GYMNASTICS ELEMENTS IN TEN-YEAR-OLD CHILDREN	
18:40-18:50	<b>Tomaž Pavlin</b> WINTER OLYMPIC GAMES SARAJEVO 1984: FROM IDEA TO BID AND HOSTING THE GAMES		



**Sunday** September 15, 2024

11:00

*Congress hall*

**CLOSING CEREMONY  
(6<sup>TH</sup> MILOŠ MRAKOVIĆ YOUNG RESEARCHERS AWARD)**

12:00

**DEPARTURE**

### Partner institutions

Faculty of Sport Sciences  
Masaryk University of Brno



Faculty of Physical Education and Sport  
Comeniuns University Bratislava



FAKULTA TELESNEJ  
VÝCHOVY A ŠPORTU  
Univerzita Komenského  
v Bratislave

Faculty of Sport and Physical Education  
University of Novi Sad



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### Collaboration institution



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THURSDAY September 12	Time	FRIDAY September 13			Time	SATURDAY September 14			Time	SUNDAY September 15	
10:00 onwards		Poster hanging - DISPLAY locations				POSTER HANGING - DISPLAY LOCATIONS				CONGRESS HALL	
	08:00	A, B, C, D			08:00	E, F, G, H, I			11:00	CLOSING CEREMONY (MILOŠ MRAKOVIĆ YOUNG RESEARCHER AWARD)	
Arrival and registration		PARALLEL SESSIONS:				PARALLEL SESSIONS:			12:00	DEPARTURE	
	9:00-10:30	<b>CONGRESS HALL</b>	<b>HALL 1</b>	<b>HALL 2</b>	9:00-10:30	<b>CONGRESS HALL</b>	<b>HALL 1</b>	<b>HALL 2</b>			
		Medicine of Sport and Exercise	Top-level Sport	Management of Sport		Physical Education	Physical Conditioning and Injury Prevention	Biomechanics and Motor Control			
	10:30-11:00	<b>COFFEE BREAK</b>			10:30-11:00	<b>COFFEE BREAK</b>					
	11:00-12:00	PLENARY SESSION INVITED LECTURES – CONGRESS HALL (DOCTORAL SCHOOL)			11:00-12:30	PLENARY SESSION INVITED LECTURES – CONGRESS HALL (DOCTORAL SCHOOL)					
		Felice Strollo, PhD				Urs Granacher, PhD					
		Andrew M. Jones, PhD				Arnold Baca, PhD					
						Dominic Malcom, PhD					
	12:00-12:15	<b>COFFEE BREAK</b>			12:30-12:45	<b>COFFEE BREAK</b>					
18:00		POSTER PRESENTATIONS				POSTER PRESENTATIONS					
Opening ceremony	12:15-13:45	A: MEDICINE OF SPORT AND EXERCISE			12:45-14:15	E: PHYSICAL EDUCATION					
		B: ADAPTED PHYSICAL ACTIVITY AND KINESITHERAPY					F: SOCIAL SCIENCES AND HUMANITIES				
		C: TOP-LEVEL SPORT					G: PHYSICAL CONDITIONING AND INJURY PREVENTION				
		D: SPORTS RECREATION					H: BIOMECHANICS AND MOTOR CONTROL				
							I: RESEARCH METODOLOGIES, DATA SCIENCE AND EMERGING RESEARCH METHODS				
	13:45-15:30	<b>COFFEE BREAK</b>			14:15-16:00	<b>COFFEE BREAK</b>					
18:30-19:15		PLENARY SESSION INVITED LECTURES – CONGRESS HALL (DOCTORAL SCHOOL)				PLENARY SESSION INVITED LECTURES – CONGRESS HALL (DOCTORAL SCHOOL)					
Invited lecture Ichiro Kawachi, PhD	15:30-16:30	Antonia Kaltsatou, PhD			16:00-17:00	Martin Lames, PhD					
		Željko Pedišić, PhD					Kristoffer Henriksen, PhD				
	16:30-17:00	<b>COFFEE BREAK</b>			17:00-17:30	<b>COFFEE BREAK</b>					
19:15		PARALLEL SESSIONS:				PARALLEL SESSIONS:					
OPENING RECEPTION	17:00-18:30	<b>CONGRESS HALL</b>	<b>HALL 1</b>	<b>HALL 2</b>	17:30-19:00	<b>CONGRESS HALL</b>	<b>HALL 1</b>	<b>HALL 2</b>			
		Gala dinner preparations	Adapted Physical activity and Kinesitherapy	Sports Recreation		Social Sciences and Humanities	Physical Education	Research Methodologies, Data Science and Emerging Research Methods			
	20:00	POSTER DISPLAY DISSEMBLING			20:00	POSTER DISPLAY DISSEMBLING					
	21:00	Get together party - gala dinner			21:00	FREE TIME					

# 10<sup>th</sup> INTERNATIONAL SCIENTIFIC CONFERENCE ON KINESIOLOGY



Organiser:



Co-organiser:

