

# ERFCON 2023 : book of abstracts

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10<sup>th</sup> International Conference:  
Research in Education  
and Rehabilitation Sciences

**ERFCON**2023

May 5-7, 2023  
Zagreb, Croatia

**BOOK OF  
ABSTRACTS**



10<sup>th</sup> International Conference:  
Research in Education and Rehabilitation Sciences

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# **Book of Abstracts**

Faculty of Education and Rehabilitation Sciences, University of Zagreb  
Croatian Academy of Sciences and Arts, Department of Medical Sciences  
Faculty of Medicine, University of Novi Sad  
Faculty of Education, University of Primorska

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Research in Education and Rehabilitation Sciences

## ERFCON 2023

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### Conference Organisation



Faculty of Education and Rehabilitation Sciences  
University of Zagreb



Croatian Academy of Sciences and Arts  
Department of Medical Sciences



Faculty of Medicine  
University of Novi Sad



Faculty of Education  
University of Primorska

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ERFCOON 2023 was organized under the auspices of the President of the Republic of Croatia, Mr. Zoran Milanović

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## Introduction

On behalf of the Programme and the Organizing Committee, we are pleased to present the ERFCON 2023 Book of Abstracts, which contains summaries of invited and contributed papers presented at the 10th International Conference: Research in Education and Rehabilitation Sciences – ERFCON 2023. The conference was held in Zagreb, Croatia, between May 5 - 7, 2023, under the auspices of the President of the Republic of Croatia, Mr. Zoran Milanović, in cooperation with the Department of Medical Sciences, Croatian Academy of Sciences and Arts; the Faculty of Medicine, University of Novi Sad; and the Faculty of Education, University of Primorska.

ERFCON is a long standing conference organized by the Faculty of Education and Rehabilitation Sciences, University of Zagreb. For the past 60 years, this conference has served as a hub for education and advancement in the fields of special and inclusive education, rehabilitation, speech-language pathology, social pedagogy, and criminology.

The programme of ERFCON 2023 reflected the progress of the multidisciplinary research conducted in these fields and highlighted the scientific approaches used to develop and test practical and applicable solutions.

ERFCON 2023 brought together scientists and professionals from 13 different countries, including Croatia, Slovenia, Poland, Serbia, Bosnia and Herzegovina, Northern Macedonia, United States of America, Austria, United Kingdom, Germany, Ireland, Cyprus, and Italy. A total of 304 participants contributed to the conference and showcased their research through 235 oral presentations and posters. The conference also included a book launch, four workshops, and seven symposia, including one designed specifically to support early-career researchers. In addition to the main conference, there were two pre-conference events that provided an opportunity for scientists and practitioners in Croatia to exchange knowledge and make connections. The pre-conference events were attended by 106 participants.

The special value of ERFCON 2023 were the plenary lecturers:

Deborah Chen Pichler, PhD, Professor, Department of Linguistics, Gallaudet University;

Maria Anna Donati, PhD, Assistant Professor, Dipartimento di Neuroscienze, Area del Farmaco e Salute del Bambino, Università Degli Studi Firenze;



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Vesna Radovanović from RS, Faculty of Special Education and Rehabilitation

Jasmina Kovačević from RS, Faculty of Special Education and Rehabilitation

## Sensory processing features in children with cochlear implants

### ABSTRACT

Sensory processing represents a neurological process that involves sensory perception, organisation, and reaction to sensory stimuli. It is a broad mechanism that refers to how our central and peripheral nervous systems regulate sensory information from our seven (peripheral) sensory systems. The aim of this paper was to examine the sensory processing features in children with cochlear implants and to determine the correlation between the processing of sensory information with emotional and social responses, as well as behavioural outcomes. Parents of 24 children with cochlear implants, ranging in age from 1 to 10 years old, completed the Sensory Profile questionnaire. The results show that children with cochlear implants had lower sensory processing performance in several domains of the Sensory Profile. Pearson's  $r$  correlation revealed that there were significant relationships between social/emotional responses and behavioural outcomes with almost all sensory inputs, except the vestibular. Based on these results, it can be concluded that the respondents from this convenient sample had significant difficulties in adjusting their levels of activity to the requirements of everyday life and daily tasks. These research findings can contribute to improving the effective implementation of sensory integration therapy, as well as highlighting the need to adjust a child's environment based on their profile of sensory needs.

Matic Pavlič from SI, University of Ljubljana, Faculty of Education ◆

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## Advances in Slovenian Sign Language research: historical, sociolinguistic, and grammatical overview

### ABSTRACT

Minority languages often have a lower status than national languages, especially when the languages differ in their modalities. The hearing majority often does not recognise sign lan-