



Mirsada Hukić MD, PhD

- Professor Emeritus at the University of Sarajevo, Specialist in Microbiology and Immunology, Subspecialist in Virology,
- Member of the Academy of Sciences and Arts of Bosnia and Herzegovina, the Department of Medical Sciences.
- Member of the European Academy of Sciences (Medicine and Life Sciences Division),
- Member the Bosnian-Herzegovinian American Academy of Arts and Sciences,
- Member of the International Bioethics Committee of UNESCO,
- Director and Founder of the Institute for Biomedical Diagnostics and Research “NALAZ”,
- Director the Center for Disease Control and Geohealth Studies at the Academy of Sciences and Arts of Bosnia and Herzegovina,
- Member of the Committee for Scientific Research and Research and Development at the Academy of Sciences and Arts of Bosnia and Herzegovina,
- Member of the Center for Coordination of Medical Research, at the Academy of Sciences and Arts of Bosnia and Herzegovina,
- Member of the Board of Directors at the Bosniak Institute, Adil Zulfikarpašić Foundation in Sarajevo, and the Bosniak Institute - Stiftung Adil Zulfikarpašić, in Zürich,
- Ex President of Spatial Olympics Games of Bosnia and Herzegovina

Prof. Hukić has more than 40 years of intense experience in clinical diagnostic of infectious diseases as well as researching the ecology, physiology and genetics of microorganisms, relationships between different kinds of living organisms as well as the role of microorganisms in the processes that are useful and harmful to the life on Earth. Emerging, re-emerging pathogens and new diseases have a special place in her research work.

Her research during an extraordinary period of war in Bosnia and Herzegovina had great scientific success in the field of Hantaviruses. During the epidemic of hemorrhagic fever with renal syndrome in Bosnia and Herzegovina, her results showed that at least two different hantaviruses each carried by a different rodent species circulated in the area: the murine Dobrava (DOB), and the avricoline Puumala (PUU) viruses. At the same time, she has

isolated a new variant of Hantan - Dobrava virus, named Tuzla 43 from the *Apodemus flavicolis* trapped near town Tuzla.

During her researching *Sandfly – Pappatachi Fever* in Bosnia and Herzegovina, new Flavivirus specific genomes were detected utilizing a hemi-nested PCR approach in Sandfly, collected in Herzegovina.

The COVID-19 epidemic has been a major challenge for all healthcare professionals. Within the Department of Medical Sciences of ANUBiH, Prof Hukić initiated the initiative to establish the Center for Disease Control and Geohealth Studies. Experts from various fields of science are involved in the work of the center. The center has achieved outstanding results in the field of temporal and spatial monitoring of the epidemic in the territory of Bosnia and Herzegovina, the study of the genetics of SARS.CoV-2 and immune mechanisms in the course of COVID-19, the transmission of infection between pets and humans, etc. A geoportal was established on the ANUBiH website, which was useful to citizens and health professionals.

As a coordinator and/or partner she was involved in 22 different scientific projects. She has published 128 scientific papers. In addition, she has presented the results of her work in over 225 conferences worldwide. She is an author and co-author of 12 books. She was also a reviewer for numerous books manuscripts, papers and projects.

She made significant networking contacts with colleagues around the world. She is member of many scientific societies as well as representative in the EU Program Committee Health HORIZON 2020/EUROPE.

She made significant networking contacts with colleagues around the world and is a member of many scientific societies like: European Network for Diagnostics of "Imported" Viral Diseases, European Wildlife Disease Association, International Federation of Infection Control, the Bosnian representative in the EU Program Committee FP7- Health Research, „Focal point“ in the B&H for the European center for disease control, and the World Health Organization in the areas of flu, measles, and resistance to antibiotics.

For her work she has received many awards and acknowledgments.

Finally, she is the president and volunteer in Special Olympics in B&H. With the B&H team she went to the 4th Special Olympic games and at every Special Olympics the B&H team has won a few medals golden, silver or bronze.

