



**Summer School “The Path to Scientific Discoveries”  
August 27<sup>th</sup> to August 31<sup>st</sup>, 2024, Academy of Sciences of Moldova**

**Tuesday, August 27<sup>th</sup>, 2024**

**Blue Hall**

**13.00**

**Registration of participants**

**13.45**

**Opening Ceremony of the Summer School**

**Opening message**

*Prof. Ion Tiginyanu, President of the Academy of Sciences of Moldova*

**Greeting messages**

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**14.00**

**Prof. Ioan-Aurel POP, President of the Romanian Academy, honorary member of the Academy of Sciences of Moldova**

*Contemporary education through history*

(in Romanian)

**14.45**

**Prof. Klaus MAINZER, President of the European Academy of Sciences and Arts, Salzburg, Austria**

*Lecture on artificial intelligence*

**15.30**

**Valeriu MATEI, corresponding member of ASM, director of Romanian Academy Publishing House**

*Book launch and donations for participants*  
(in Romanian)



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**Wednesday, August 28<sup>th</sup>, 2024**

	<b>Wednesday, August 28<sup>th</sup>, 2024</b>	
9.00	<b>Prof. Nicolae ZAMFIR, vice-president of the Romanian Academy</b>	<i>Scientific research in physics</i> (in Romanian)
9.45	<b>Prof. Viorel BOSTAN, Rector of the Technical University of Moldova</b>	<i>Development of the first satellite in the Republic of Moldova</i> (in Romanian)
10.30 - 11.00	<i>Coffee break</i>	
11.00	<b>Prof. Aurelian GULEA, State University of Moldova</b>	<i>Cancer treatment perspectives</i> (in Romanian)
11.45	<b>Dr. Roman RUSNAC, State University of Moldova, Young Academy of Moldova</b>	<i>New biologically active compounds based on thiosemicarbazones and coordination combinations of some biometals</i> (in Romanian)
12.30 - 14.00	<i>Lunch break</i>	
14.00	<b>Prof. Violeta DINESCU, European Academy of Sciences and Arts, Salzburg, Austria</b>	<i>Degrees of freedom in Vuza Canons</i> (in Romanian)



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15.00 - 18.00	<b>Visit to the Technical University of Moldova:</b>  - National Center for Materials Study and Testing (presentation of nanotechnologies and nanomaterials, including Aerogalnite) - National Center of Space Technologies	
<b>Thursday, August 29<sup>th</sup>, 2024</b>		
9.00	<b>Prof. Emil CEBAN, corresponding member of ASM, Rector of the State University of Medicine and Pharmacy „Nicolae Testemițanu”</b>	<i>Medicine and health – national priority</i>  (in Romanian)
9.45	<b>Prof. Viorel PRISĂCARI, corresponding member of ASM, State University of Medicine and Pharmacy „Nicolae Testemițanu”</b>	<i>The role of scientists in discovering the essence of epidemics</i>  (in Romanian)
10.30 - 11.00	<i>Coffee break</i>	
11.00	<b>Prof. Viorel NACU, State University of Medicine and Pharmacy „Nicolae Testemițanu”</b>	<i>Artificial tissues and organs – new strategies</i>  (in Romanian)
11.40	<b>Prof. Svetlana ȘCIUCA, corresponding member of ASM, State University of Medicine and Pharmacy „Nicolae Testemițanu”</b>	<i>The particularities of broncho-pulmonary changes in post-Covid patients</i>  (in Romanian)
12.20	<b>Prof. Silvia RĂILEANU, State University of Medicine and Pharmacy „Nicolae Testemițanu”</b>	<i>Oral health in children</i>  (in Romanian)



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<b>13.00</b> – <b>14.00</b>	<i>Lunch break</i>	
<b>14.00</b>	<b>Prof. Anthony WATTS, University of Oxford, UK, President of the International Union of Pure and Applied Biophysics</b>	<i>What is biophysics</i>
<b>14.45</b>	<b>Dr. Svetlana SMEREA, Institute of Genetics and Plant Physiology, State University of Moldova</b>	<i>The applicability of biotechnologies in solving the problems of genetics and plant breeding (in Romanian)</i>
<b>15.30</b> – <b>18.00</b>	<b>Visit to the Institute of Genetics and Plant Physiology, State University of Moldova</b>	
<b>Friday, August 30<sup>th</sup>, 2024</b>		
<b>9.00</b>	<b>Prof. Alexandru STRATAN, corresponding member of ASM, Rector of the Academy of Economic Studies in Moldova</b>	<i>Discover Economics: How Economics Studies Can Influence Your Future (in Romanian)</i>
<b>9.45</b>	<b>I. Stephanie BOYCE, Former president of the Law Society of England and Wales, Robert WILLIAMS, Director/Editor in Chief of British News Agency News247WorldPress</b>	<i>A fundamental right, the freedom to access justice</i>



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<b>10.30</b> – <b>11.00</b>	<i>Coffee break</i>	
<b>11.00</b>	<b>Dr. Marian ENACHE, President of the Constitutional Court of Romania</b>	<i>Young people – Explorers and promoters of the intelligence of the future (in Romanian)</i>
<b>11.45</b>	<b>Prof. Bogdan CIUCA, President of the Academy of Legal Sciences from Romania</b>	<i>Genuine justice between divine norm and artificial intelligence (in Romanian)</i>
<b>12.30</b> – <b>14.00</b>	<i>Lunch break</i>	
<b>14.00</b>	<b>Prof. Rattan LAL, The Ohio State University, USA, winner of the Nobel Peace Prize and the World Food Prize, honorary member of the Academy of Sciences of Moldova</b>	<i>How researchers contribute to addressing the challenges of the XXI Century</i>
<b>14.45</b>	<b>Prof. Norina Consuela FORNA, Iași, Romania, honorary member of the Academy of Sciences of Moldova</b>	<i>Placement of future medical students in the labor market: evidence based on completed projects (in Romanian)</i>
<b>15.30</b> – <b>16.00</b>	<i>Coffee break</i>	



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<b>16.00</b>	<b>Prof. Konstantin NOVOSELOV, Manchester University, UK, National University of Singapore, Laureate of Nobel Prize in Physics (2010), honorary member of the Academy of Sciences of Moldova</b>	<i>Materials for the future</i>
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**Saturday, 31<sup>st</sup> of August, 2024**

**10.00 – 13.00 National Holiday „Romanian Language Day”**

*The end of the Summer School and the handing out of certificates in a festive meeting*