



## PROGRAM

### Word of introduction:

1. **Academician Gheorghe DUCA**, Head, Center of Inorganic and Physical Chemistry, Institute of Chemistry, Moldova State University. *Moderator.*
2. **Academician Ion TIGINYANU**, President, Academy of Sciences of Moldova
3. **Doctor habilitate Aculina ARICU**, Director, Institute of Chemistry, Moldova State University.

### Webinar Speakers:

1. **I. B. Bersuker**, Institute of Chemistry, Moldova State University, University of Texas, Austin, USA  
**SPONTANEOUS SYMMETRY BREAKING AS A LAW OF NATURE** (20 min)
2. **V. Polinger**, University of Washington, Seattle, USA  
**70 YEARS IN PURSUIT OF SCIENTIFIC TRUTH** (20 min)
3. **N. Gorinchoy** (Institute of Chemistry, Moldova State University, Republic of Moldova)  
**PSEUDO JAHN-TELLER EFFECT IN TRANSITION STATES OF REDOX PROCESSES** (10 min)
4. **L. Chibotaru**, Leuven University, Belgium  
**DYNAMIC VIBRONIC ORDER AND EMERGENT MAGNETISM IN CUBIC  $D^1$  DOUBLE PEROVSKITES** (10 min)
5. **Yang Liu**, Harbin Institute of Technology, Harbin, China  
**PSEUDO JAHN-TELLER EFFECT IN PHOTOCHEMISTRY AND CATALYTIC ACTIVITY** (10 min)
6. **S. Stavrov**, Tel-Aviv University, Israel  
**THE INFRARED ABSORPTION BAND OF THE COORDINATED CARBON MONOXIDE AS A PROBE OF STRUCTURE AND DYNAMICS OF HEME PROTEINS** (10 min)
7. **P. Garcia-Fernandez**, Cantabria University, Spain  
**JAHN-TELLER AND PSEUDO JAHN-TELLER EFFECTS IN EXCITED STATES: HIDDEN-JAHN-TELLER EFFECT AND VIBRONIC SPIN-CROSSOVER** (10 min)
8. **N. S. Averkiev**, Physical-Technical Institute, St. Petersburg, Russia  
**JAHN-TELLER EFFECT IN SEMICONDUCTORS** (10 min)
9. **Hiro Koizumi**, University of Tsukuba, Japan  
**JAHN-TELLER EFFECT, BERRY PHASE, AND SUPERCONDUCTIVITY** (10 min)