



# XI Conference of Young Scientists "Problems of Theoretical Physics"

## Wednesday 23 December 2020

### Physics of Biological Macromolecules (12:00-12:45)

time	[id] title	presenter
12:00	[54] Conformational solitons in DNA macromolecule	Prof. VOLKOV, Sergej

### Physics of Biological Macromolecules (14:00-16:50)

time	[id] title	presenter
14:00	[47] Multiscale simulation methods and their applications in nucleic acid studies	Dr MOCCI, Francesca
14:45	[28] Excess Thermodynamic Properties of Binary Liquid Mixtures of Butanol Isomers with Di-n-Butyl Ether at 298.15 K, 0.1 MPa	ENGELBRECHT, Leon
15:05	[27] Partitioning electrostatic molecular properties into the localized contributions	NIKOLAIENKO, Tymofii
15:25	Coffee break	
15:50	[35] Dynamics of $K^+$ counterions around DNA double helix in the external electric field: a molecular dynamics study	Dr ZDOREVSKYI, Oleksii
16:10	[43] Low-frequency modes of water vibrations in the minor groove of DNA double helix	Ms BUBON, Tatyana
16:30	[40] Potential electron scattering by the threonine and tyrosine amino acid biomolecules	Mr VASYLIEV, Oleksandr