



Science&Progress 2020

Section H

Thursday 12 Nov, moderator N.V. Tsvetkov
9:45-14:00

9:45-10:00	Connection test
10:00-10:15	Boris Maryshev Modelling of Transportation Process in Plane Flows with Stagnation Points
10:15-10:30	Elena Akulenkova DNA conformational changes in the presence of bis-(1,10-phenanthroline)-zinc(II) acetate
10:30-10:45	Stepan Danilov Development of a system for multi-element analysis of the composition of petroleum raw materials and products of its processing, as well as environmental control
10:45-11:00	Daniil Cherechukin Polymer complexes with detonation nanodiamonds for medical utilization
11:00-11:15	Svetlana Ershova Conformational and optical molecular properties of poly (hexyl methacrylate) and poly (stearyl methacrylate)
11:15-11:30	Pavel Gabrusyonok Interpolyelectrolyte complexes of DNA molecule with synthetic polymers in solution
11:30-11:45	Break
11:45-12:00	Connection test
12:00-12:15	Artemii Ivanov Programmable soft-matter electrochemical EGaIn interface formation
12:15-12:30	Georgii Mamistvalov Influence of side chains on conformation of polyamino acids in calcium chloride solution
12:30-12:45	Veronika Mamontova Investigation of interaction of C ₄ -Azo-OC ₆ TMA in cis- and trans-conformations with DNA by molecular dynamics method
12:45-13:00	Iliia Melnikov The interaction of sodium hypochlorite with DNA in presence of various antimicrobial drugs
13:00-13:15	Alina Pavlova Small angle neutron scattering investigations of the domain structure of multiblock polyurethane ureas
13:15-13:30	Nikolay Shekhovtsov Determination of thermodynamic binding parameters of low-molecular compounds to a DNA molecule
13:30-13:45	Elizabeth Telnaya IR spectroscopy of blood serum of patients with oncohematological diseases
13:45-14:00	Matvey Kadnikov Research of comb-like polyelectrolytes for micellar catalysis
14:00	Closing ceremony