

Мирослава Александрова Недялкова е завършила образователно-квалификационна степен „Бакалавър“ по специалност „Химия и физика“ и образователно-квалификационна степен „Магистър“ в магистърска програма Медицинска и фармакологична биофизикохимия. Във Факултет химия и фармация на Софийския университет „Св. Климент Охридски“.

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Advisor of the work is Dr. Sergio Madurga from University of Barcelona

Основна област на научни изследвания

Компютърни симулации, биоорганични молекули, спектроскопия

Научни публикации

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7. Miroslava Nedyalkova, Stoyan Pisov, Sergio Madurga, Fransesc Mas, The effect of trivalent ions on the electrostatic properties of a charge spherical colloid: Molecular dynamic study with explicit water molecules, Nanoscience & Nanotechnology, 12, 2012,

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5. Мирослава Недялкова, The effect of mono- and multivalent trivalent ions on the electrostatic properties of a charged spherical colloid. Molecular dynamics study, TAM meeting , Barcelona, 06/2012 2012
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7. Мирослава Недялкова, Overcharging in colloids, TAM (Transnational Access Meeting) Annual HPC EUROPA EVENT, Barcelona , 06/2011 2011
8. Мирослава Недялкова, Ion distribution around charged spherical colloids from molecular dynamics calculations with explicit water molecules , WATOC-2011, Santiago de Compostela, 07/ 17-22, 2011
9. Мирослава Недялкова, The Effect of Trivalent Ions on the Electrostatic Properties of a Charged Spherical Colloid., 13th International Workshop NANOSCIENCE & NANOTECHNOLOGY, Sofia, 11/2011 2011
10. Мирослава Недялкова, FORMATION OF PLATINUM NANOPARTICLES BY THE SPONTANEOUS REDUCTION OF HEXADECYLANILINE LANGMUIR MONO LAYERS AT AIR-WATER SURFACE , Nanoscience & Nanotechnology 12 , Sofia, 11/2011 2
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Участия в научни проекти

1. Мирослава Недялкова, Adsorption of metal ions on gold(111) surface. , Ръководител, HPC EUROPE
2. Мирослава Недялкова, Молекулно-динамични симулации за изследване стабилността и механизма на акумулиране на повърхностен заряд върху златни наночастици функционализирани с аминокиселини , Ръководител, ОПРЧ „Наука и бизнес“
3. Мирослава Недялкова, Overcharging of colloids - PART 2 , Ръководител, HPC EUROPE
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