CV

Milan Milovanović

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Education

- PhD studies in Physical Chemistry, University of Belgrade 2011-2015
  - **PhD in Physical Chemistry**, earning 180 ECTS and with GPA 9.86/10.00.
  - Doctoral Dissertation: "Theoretical investigations of geometry, stability and chemical bonds in small clusters of lithium with halogens"
- Master studies in Physical Chemistry, University of Belgrade 2010-2011
  - **MSc in Physical Chemistry**, earning 60 ECTS and with GPA 9.80/10.00.
  - Master's Thesis: "*Ab initio* investigation of vibronic states in ground state of C_2Sb"
- Bachelor studies in Physical Chemistry, University of Belgrade 2006-2010
  - **BSc in Physical Chemistry**, earning 240 ECTS and with GPA 9.92/10.00.
  - Bachelor's Thesis: "Structure and energy of dissolution H_2CO_3, HCO_3^- and CO_3^{2-} by *ab initio* methods"

Awards

- Awards for the best student of generation 2009/2010 on Faculty of Physical Chemistry.
- Prize of Sisters Bulajić fund for best Bachelor's Thesis on Faculty of Physical Chemistry in 2010.
- Annual award (for 2011.) of Serbian Chemical Society for remarkable success in studies.

Teaching

- Teaching assistant on Faculty of Physical Chemistry on courses of Quantum Chemistry and Atomic Theory.

Publications

- Milovanović M., Veličković S., Veljković F., Jerosimić S. Structure and Stability of Small Lithium-Chloride $Li_nCl_m^{(0,+1)}$ ($n \geq m$, n = 1-6, m = 1-3) Clusters. *Phys. Chem. Chem. Phys.*, 2017, **19**, 30481–30497.
- Mitić M., Ranković R., Milovanović M., Jerosimić S., Perić M., Underlying theory of a model for the Renner–Teller effect in any-atomic linear molecules on example of the $X^2\Pi_u$ electronic state of C_5^-. *Chem. Phys.* 464, 55-68 (2016).
- Perić, M., Jerosimić, S., Mitić, M., Milovanović, M., Ranković, R. Underlying theory of a model for the Renner–Teller effect in tetra-atomic molecules: $X^2\Pi_u$ electronic state of $C_2H_2^+$. *J. Chem. Phys.* 142, 174306-14 (2015).
- Milovanović, M. Z., Jerosimić, S. V. Theoretical investigation of geometry and stability of small lithium-iodide Li_nI (n = 2-6) clusters. *Int. J. Quantum Chem.* 114, 192–208 (2014).
- Đustebek, J., Milovanović, M., Jerosimić, S., Veljković, M., Veličković, S. Theoretical and experimental study of the non-stoichiometric Li_nI (n = 3 and 5) clusters. *Chem. Phys. Lett.* 556, 380–385 (2013).
- Milovanović, M. Z., Jerosimić, S. V. An ab initio study of antimony dicarbide (C_2Sb). *Chem. Phys. Lett.* 565, 28–34 (2013).
- Radisavljević M., Kačeva T., Vukićević I., Nišavić M., Milovanović M., Petković M., Sensitivity and accuracy of organic matrix-assisted laser desorption and ionization mass spectrometry of $FeCl_3$ is higher than in matrix-free approach. *Eur. J. Mass Spectrom.* 19, 77-89 (2013).

Attendance at conferences and seminars

- COST – School “From the lab to beyond the Earth” in Belgrade, Serbia, September, 2017.
- COST – School “Astrochemistry from Space to Earth” in Grenoble, France, September, 2016.
- 50th Symposium on Theoretical Chemistry 2014, Quantum Chemistry and Chemical Dynamics, Vienna, Austria, September, 2014.
- COST - The Chemical Cosmos school “Molecular Processes for Astrophysics – Theoretical Aspects” in Grenoble, France, March, 2013.