

PERSONAL INFORMATION

Name RADOSLAVA PARUSHEVA SIVKOVA
Permanent Address SLIVEN, SINI KAMANI 29-G-11, BULGARIA
Phone 775 44 82 72
E-mail r.sivkova@gmail.com
Nationality Bulgarian
Date of birth 24.12.1982

EDUCATION

01.10.2007- present
Charles University, Prague
Study programme: Macromolecular Chemistry
PhD thesis in preparation
PhD Thesis: *Preparation and investigation of novel polymers of substituted acetylenes*

01.10.2005- 09.2007
University of Sofia "St. Kliment Ohridski"
Sofia, Bulgaria
Study programme: Technologies of Organic Materials
Master
Master Thesis: *Synthesis and application of naphthalimide monomers and photozymes on their basis*
Diploma Thesis Defense: 6.00 (out of 6)
Overall success of studies: 5.75 (out of 6)

01.10.2001 – 26.09.2005
University of Sofia "St. Kliment Ohridski"
Sofia, Bulgaria
Study programme: Chemistry
Bachelor
State exam of chemistry: 5.75 (out of 6)
Overall success of studies: 5.03 (out of 6)

15.09.1996 - 24.05.2001
Secondary School of Nature Science "Dobri Chintulov"-
Sliven
Study programme: Chemistry
Secondary school student
Overall success of studies: 6.00 (out of 6)

NATIVE LANGUAGE	Bulgarian
FOREIGN LANGUAGES	English, German, Czech <i>Cambridge ESOL-First Certificate in English (FCE) - 08/2010</i>
EXPERIENCE	2006-2007- work in laboratory at Sofia University- synthesis and characterization of fluorescent organic compounds and free radical polymerization From 2007- work in laboratory at Charles University- synthesis and characterization of polyacetylenes
<i>Laboratory skills</i>	Advanced experience in organic synthesis: Sonogashira coupling Huisgen- and thiol-ene type “click”-chemistry Quaternization reactions Imidation Preparation of Schiff bases Nucleophilic substitution reactions on aromatic ring Usage of protecting groups Radical polymerization Coordination polymerization Post-polymerization modifications Work under inert atmosphere with oxygen and moisture sensitive compounds Schlenk technique Work in glove-box
<i>Technical skills</i>	Advanced experience with: GPC (Agilent Technologies 1100 Series apparatus fitted with UV/vis Diode Array Detector (DAD) and series of SEC columns (mixed-B, mixed-C, and mixed-E, Polymer Laboratories, Bristol)) NMR spectroscopy (Varian SYSTEM 300 instrument) IR and Raman spectroscopy (Thermo Nicolet 6700 FTIR instrument; DXR Raman microscope (Thermo Scientific)) Fluorescence spectroscopy (Horiba Jobin Yvon Fluorolog 3) UV/Vis spectroscopy (Shimadzu UV-2401 spectrometer)
COMPUTER SKILLS	<i>MS Windows, MS Office, ChemDraw, Chems sketch, OriginLab, Charity, Omnic, MestRe-C, Corel Draw, Reference Manager</i>
ADDITIONAL INFO	Communicative Motivated Able to work in a team Correctness and responsibility

Additional information

List of publications:

1. Synthesis and Spectral Properties of Novel Poly(disubstituted acetylene)s, Z. Duchoslavová, R. Sivkova, V. Hanková, J. Svoboda, J. Sedláček, J. Vohlídal, J. Zedník, *Macromol. Chem. Phys.* **2011** (IF 2.361), *212*, 1802-1814
2. Poly(disubstituted acetylene)s with naphthalimide-based fluorophore in pendant groups, R. Sivkova, J. Vohlídal, M. Bláha, J. Svoboda, J. Sedláček, J. Zedník, *Macromol. Chem. Phys.* **2012** (IF 2.386), *213*, 411-424
3. Polyacetylene-Type Networks Prepared by Coordination Polymerization of Diethynylarenes: New Type of Microporous Organic Polymers, V. Hanková, E. Slováková, J. Zedník, J. Vohlídal, R. Sivkova, H. Balcar, A. Zukal, J. Brus, J. Sedláček, *Macromol. Rapid Comm.* **2012** (IF 4.929), *33*, 158-163
4. Copolymerization of N-(prop-1-yne-3-yl)-4-(piperidine-1-yl)-1,8-naphthalimide with arylacetylenes into fluorescent polyacetylene-type conjugated polymers, R. Sivkova, O. Trhlikova, J. Zedník, J. Sedláček, *Macromol. Chem. Phys.* **2015** (IF 2.616), *216*, 2115-2128

Number of citations- 26 (22 without autocitations)

Cumulative IF- 12.292

h-index- 3

Oral presentations:

1. R. Sivkova, J. Sedláček, J. Zedník, J. Vohlídal, "Click" chemistry as a powerful tool for post-polymerization modification of substituted polyacetylenes, 10th Pannonian International Symposium on Catalysis, Krakow, Poland, 29.8-2.9.2010
2. R. Sivkova, J. Sedláček, J. Zedník, J. Vohlídal, "Click" chemistry as a powerful tool for post-polymerization modification of substituted polyacetylenes, 5th ECNP Young Scientist Conference, Prague, Czech Republic, 22-24.4.2012

Posters:

1. R. Sivkova, J. Zedník, J. Sedláček, G. Georgiev, J. Vohlídal, Synthesis of 1,8-naphthalimide groups containing copolymers, 9th Pannonian International Symposium on Catalysis, Strbske Pleso, Slovakia, 8-12.9.2008
2. R. Sivkova, J. Zedník, J. Sedláček, G. Georgiev, J. Vohlídal, Synthesis of 1,8-naphthalimide groups containing copolymers, 40th Symposium on Catalysis, Prague, Czech Republic, 3-5.11.2008
3. R. Sivkova, J. Zedník, J. Sedláček, J. Vohlídal, Application of "click" chemistry for post-polymerization modification of disubstituted polyacetylenes, 73rd Prague Meeting on Macromolecules, Prague, Czech Republic, 5-9.7.2009
4. R. Sivkova, J. Zedník, J. Sedláček, J. Vohlídal, Disubstituted polyacetylenes modified by "click" chemistry, European Polymer Congress, Graz, Austria, 12-17.7.2009
5. R. Sivkova, J. Zedník, J. Sedláček, J. Vohlídal, Substituted polyacetylenes modified via "click"-chemistry, i-PolyMat 2010, Kerkrade, Netherlands, 16-19.05.2010
6. V. Hanková, R. Sivkova, J. Zedník, J. Vohlídal, J. Sedláček, Copolymers of substituted acetylenes: Starting material for postpolymerization modification, i-PolyMat 2010, Kerkrade, Netherlands, 16-19.05.2010
7. R. Sivkova, J. Zedník, J. Sedláček, J. Vohlídal, Synthesis of disubstituted acetylenes based polymers and their post-polymerization modification via "click"-chemistry, 43rd IUPAC World Polymer Congress, Glasgow, Scotland, 11-16.7.2010
8. J. Zedník, J. Svoboda, Z. Duchoslavová, J. Sedláček, R. Sivkova, V. Hankova, J. Vohlídal, Synthesis And Properties Of Aromatic Poly(disubstituted acetylene)s, European Polymer Congress 2011, Granada, Spain, 26.6-1.7.2011
9. J. Zedník, R. Sivkova, Z. Duchoslavová, T. Faulkner, D. Vrbata, J. Sedláček, J. Vohlídal, H. Balcar, Polymerization Of Ethynylpyridene Derivatives Using Quaternization Polymerization Of Blumstein Type And Grubbs-Hoveyda Carbene Catalyst 2nd Generation, 42nd Symposium on Catalysis, Prague, Czech Republic, 1-2.10.2010
10. R. Sivkova, J. Zedník, J. Sedláček, J. Vohlídal, "Click"- Chemistry- Promising Tool For Post-Polymerization Modification Of Substituted Polyacetylenes, 42nd Symposium on Catalysis, Prague, Czech Republic, 1-2.10.2010
11. R. Sivkova, D. Bondarev, J. Zedník, J. Vohlídal, Conjugated polyelectrolytes based on polymers of disubstituted polyacetylenes, 7th ECNP International Conference Nanostructured polymers and nanocomposites, Prague, Czech Republic, 24-27.4.2012