

CURRICULUM VITAE

Name: Šárka POSPÍŠILOVÁ
Date of birth: December 20, 1990
Nationality: Czech
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Education

2019-present Postgraduate course (Ph.D.) – Palacký university in Olomouc, Faculty of Science, Czech Republic (Molecular biology)
2017–2019 Postgraduate course (Ph.D.) – Comenius University in Bratislava, Faculty of Pharmacy, Slovakia (Medicinal Chemistry)
2015–2017 Doctor of Pharmacy (PharmDr.) – University of Veterinary and Pharmaceutical Sciences Brno, Faculty of Pharmacy, Brno, Czech Republic (Pharmacy); Rigorous thesis: “*Antibacterial activity of salicylanilides and their derivatives against VRE*”
2010–2015 Master of Pharmacy (M.Sc.) – University of Veterinary and Pharmaceutical Sciences Brno, Faculty of Pharmacy, Brno, Czech Republic (Pharmacy); Diploma thesis: “*Time-kill curve as a method for determining dynamics of bactericidal effect of potential chemotherapeutics*”

Experience – Professional stays abroad

2018, June Hungarian Academy of Science, Centre for Agricultural Research, Budapest, Hungary (research fellowship)
2017, February Cork Institute of Technology, Cork, Ireland (research fellowship)
2017, January Hungarian Academy of Science, Centre for Agricultural Research, Budapest, Hungary (research fellowship)
2016, June Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ljubljana, Slovenia (research fellowship)

Teaching activities

Master courses of pharmacy: practical training and seminars – Drug Analysis, Medicinal Chemistry
Co-Supervisor of diploma theses

Research activities

- Investigation of *in vitro* antibacterial, antimycobacterial and antifungal properties of newly synthesized prospective chemotherapeutics
- Study of antimicrobial resistance and biofilm formation, inhibition and degradation

- Studying dynamic of bactericidal activity
- Structure-activity relationships within groups of investigated series of new anti-infective agents

Most significant professional accomplishment

- Invited keynote lecture on international medicinal chemistry conference: *The 9th Central European Conference "Chemistry towards Biology"*, Budapest, Hungary (2018)
- Invited keynote lecture on online medicinal chemistry conference *5th International Electronic Conference on Medicinal Chemistry* (<https://sciforum.net/conference/ECMC2019>)

Summary of Scientific & Publication Activity

- Peer-reviewed publications: 12
- Patents/Patent applications: 2
- Peer-reviewed full-text conference contributions: 3
- Conference abstracts: 34
- Sum of Times Cited without Self-Citations (Web of Science Core Collection): 57 (29/11/2019)
- Citing Articles without Self-Citations (Web of Science Core Collection): 43 (29/11/2019)
- h-Index (Web of Science Core Collection): 5 (29/11/2019)
- Grants: 5
- Co-Supervisor of defended 4 Diploma students (M.Sc.)

SCIENTIFIC ACTIVITIES

Publications(peer-reviewedarticles):

1. ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and PAUK, Karel and IMRAMOVSKÝ, Aleš and VINŠOVÁ, Jarmila and ČÍŽEK, Alois and JAMPÍLEK, Josef. In Vitro Bactericidal Activity of 4- and 5-Chloro-2-hydroxy-*N*-[1-oxo-1- (phenylamino)alkan-2-yl]benzamides against MRSA. *Biomed Res. Int.* 2015, 2015, Article ID 349534, <http://www.hindawi.com/journals/bmri/aa/349534/>. [ISSN 2314-6133, IF₂₀₁₅ = 2.134]
2. ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and MASAŘÍKOVÁ, Martina and IMRAMOVSKÝ, Aleš and MONREAL-FÉRRIZ, Juana and VINŠOVÁ, Jarmila and ČÍŽEK, Alois and JAMPÍLEK, Josef. Salicylanilide Carbamates: Promising Antibacterial Agents with High In Vitro Activity against Methicillin-resistant *Staphylococcus aureus* (MRSA). *Eur. J. Pharm. Sci.* 2015, vol. 77, 197-207. [ISSN 0928-0987, IF₂₀₁₅ = 3.773]
3. GONĚC, Tomáš and **POSPÍŠILOVÁ, Šárka** and KAUEOVÁ, Tereza and KOS, Jiří and DOHÁŇŠOVÁ, Jana and ORAVEC, Michal and KOLLÁR, Peter and COFFEY, Aidan and LIPTAJ, Tibor and ČÍŽEK, Alois and JAMPÍLEK, Josef. *N*-Alkoxyphenylhydroxynaphthalenecarboxamides and Their Antimycobacterial Activity. *Molecules* 2016, vol. 21, no. 8, 1068, <http://www.mdpi.com/1420-3049/21/8/1068/pdf>. [ISSN 1420-3049, IF₂₀₁₆ = 2.861]
4. GONĚC, Tomáš and **POSPÍŠILOVÁ, Šárka** and HOLAŇOVÁ, Lucie and STRÁNÍK, Josef and ČERNÍKOVÁ, Aneta and PÚDELKOVÁ, Valéria and KOS, Jiří and ORAVEC, Michal and KOLLÁR, Peter and ČÍŽEK, Alois and JAMPÍLEK, Josef. Synthesis and Antimicrobial Evaluation of 1-[(2-Substituted phenyl)carbamoyl]naphthalen-2-yl Carbamates. *Molecules* 2016, vol. 21, no. 9, 1189, <http://www.mdpi.com/1420-3049/21/9/1189/pdf>. [ISSN 1420-3049, IF₂₀₁₆ = 2.861]
5. MALÍK, Ivan and CSÖLLEI, Jozef and JAMPÍLEK, Josef and STANZEL, Lukáš and ZADRAŽILOVÁ, Iveta and HOŠEK, Jan and **POSPÍŠILOVÁ, Šárka** and ČÍŽEK, Alois and COFFEY, Aidan and O'MAHONY, Jim. The Structure- Antimicrobial Activity Relationships of Promising Class of the Compounds Containing *N*-Arylpiperazine Scaffold. *Molecules* 2016, vol. 21, no. 10, 1274, <http://www.mdpi.com/1420-3049/21/10/1274/pdf>. [ISSN 1420-3049, IF₂₀₁₆ = 2.861]
6. PAVÍČ, Kristina and PERKOVIĆ, Ivana and **POSPÍŠILOVÁ, Šárka** and MACHADO, Marta and FONTINHA, Diana and PRUDÊNCIO, Miguel and JAMPÍLEK, Josef and COFFEY, Aidan and ENDERSEN, Lorraine and RIMAC, Hrvoje and ZORC, Branka. Primaquine Hybrids as Promising Antimycobacterial and Antimalarial Agents. *Eur. J. Med. Chem.* 2018, vol. 143, 769–779. [ISSN 0223-5234, IF₂₀₁₇ = 4.816]
7. **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and KAUEOVÁ, Tereza and PAUK, Karel and KOLLÁR, Peter and VINŠOVÁ, Jarmila and IMRAMOVSKÝ, Aleš and ČÍŽEK, Alois and JAMPÍLEK, Josef. In vitro activity of salicylamide derivatives against vancomycin-resistant enterococci. *Bioorg. Med. Chem. Lett.* 2018, vol. 28, no. 12, 2184-2188. [ISSN 0960-894X, IF₂₀₁₇ = 2.442]
8. **POSPÍŠILOVÁ, Šárka** and KOS, Jiří and MICHNOVÁ, Hana and KAPUSTÍKOVÁ, Iva and STRHARSKÝ, Tomas and ORAVEC, Michal and MÓRICZ, Ágnes M. and BAKONYI, József and KAUEOVÁ, Tereza and KOLLÁR, Peter and ČÍŽEK, Alois and JAMPÍLEK, Josef. Synthesis and Spectrum of Biological Activities of Novel *N*-arylcinnamamides. *Int. J. Mol. Sci.* 2018, vol. 19, no. 8, 2318, <http://www.mdpi.com/1422-0067/19/8/2318/pdf>. [ISSN 1422-0067, IF₂₀₁₇ = 3.687]
9. MALÍK, Ivan and CSÖLLEI, Jozef and SOLOVIČ, Ivan and **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and JAMPÍLEK, Josef and ČÍŽEK, Alois and KAPUSTÍKOVÁ, Iva and ČURILLOVÁ, Jana and PECHÁČOVÁ, Mária and STOLAŘÍKOVÁ Jiřina and PECHER, Daniel and ORAVEC, Michal. Dibasic Derivatives of Phenylcarbamic Acid against Mycobacterial Strains: Old Drugs and New Tricks? *Molecules* 2018, vol. 23, no. 10, 2493, <http://www.mdpi.com/1420->

[3049/23/10/2493/pdf](https://www.mdpi.com/1420-3049/23/10/2493/pdf). [ISSN 1420-3049, IF₂₀₁₇ = 3.098]

10. MICHNOVÁ, Hana and **POSPÍŠILOVÁ, Šárka** and GONĚC, Tomáš and KAPUSTÍKOVÁ, Iva and KOLLÁR, Peter and KOZIK, Violetta and MUSIOŁ, Robert and JENDRZEJEWSKA, Izabela and VANĀO, Ján and TRÁVNÍĀEK, Zdeněk and ČÍŽEK, Alois and BAŀK, Andrzej and JAMPÍLEK, Josef. Bioactivity of Methoxylated and Methylated 1-Hydroxynaphthalene-2-Carboxanilides: Comparative Molecular Surface Analysis. *Molecules* 2019, vol. 24, no. 16, 2991, <https://www.mdpi.com/1420-3049/24/16/2991/pdf>. [ISSN 1420-3049, IF₂₀₁₈ = 3.060]
11. **POSPÍŠILOVÁ, Šárka** and MARVANOVÁ, Pavlína and TREML, Jakub and MÓRICZ, Ágnes M. and OTT, Peter G. and MOKRÝ, Petr and ODEHNALOVÁ, Klára and ŠEDO, Ondrej and ČÍŽEK, Alois and JAMPÍLEK, Josef. Activity of *N*-Phenylpiperazine Derivatives against Bacterial and Fungal Pathogens. *Curr. Protein Pept. Sci.* 2019, vol. 20, no. 11, 1112-1122. [ISSN 1389-2037, IF₂₀₁₈ = 1.885]
12. **POSPÍŠILOVÁ, Šárka** and MALÍK, Ivan and BEZOUŠKOVÁ, Kristýna and KAUEROVÁ, Tereza and KOLLÁR, Peter and CSÖLLEI, Jozef and ORAVEC, Michal and ČÍŽEK, Alois and JAMPÍLEK, Josef. Dibasic Derivatives of Phenylcarbamic Acid as Prospective Antibacterial Agents Interacting with Cytoplasmic Membrane. *Antibiotics* 2020, vol. 9, no. 2, 64, [ISSN 2079-6382, IF₂₀₁₈ = 2.921]

Patents:

1. JAMPÍLEK, Josef and GONĚC, Tomáš and **POSPÍŠILOVÁ, Šárka** and ČÍŽEK, Alois and ENRIZ, Ricardo Daniel and FERESIN, Gabriela Egly and ANDUJAR, Sebastian Antonio and GUTIERREZ, Lucas Joel and KAPUSTÍKOVÁ, Iva and KOS, Jiří. Utilization of Novel Multisubstituted Naphthalene Derivatives as Broad- spectrum Antibacterial Compounds. *Slovak Patent; application PP 65-2017*, July 17, 2017.
2. JAMPÍLEK, Josef and GONĚC, Tomáš and KOS, Jiří and **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and ČÍŽEK, Alois and COFFEY, Aidan. Utilization of Novel Multisubstituted Hydroxynaphthalenes Derivatives as Antimycobacterial Compounds. *Slovak Patent; application PP 71-2017*, July 28, 2017.

Peer-reviewed full-text conference contributions:

1. **POSPÍŠILOVÁ, Šárka** and KOS, Jiří and MICHNOVÁ, Hana and STRHARSKÝ, Tomáš and ČÍŽEK, Alois and JAMPÍLEK, Josef. *N*-Arylcinnamamides as Antistaphylococcal Agents. Proceedings: *The 4th International Electronic Conference on Medicinal Chemistry (ECMC-4)*, November 1–30, 2018, 5576 (10.3390/ecmc-4- 05576), <https://sciforum.net/manuscripts/5576/slides.pdf>. Editor: Jean Jacques Vanden Eynde. Published in 2018 by MDPI, Basel, Switzerland.
2. MICHNOVÁ, Hana and **POSPÍŠILOVÁ, Šárka** and SPACZYŃSKA, Ewelina and CIESLIK, Wioleta and ČÍŽEK, Alois and MUSIOŁ, Robert and JAMPÍLEK, Josef. Antibacterial and Antifungal Activity of Styrylquinoline Derivatives. *N*-Arylcinnamamides as Antistaphylococcal Agents. Proceedings: *The 4th International Electronic Conference on Medicinal Chemistry (ECMC-4)*, November 1–30, 2018, 5588 (10.3390/ecmc-4- 05588), <https://sciforum.net/manuscripts/5588/slides.pdf>. Editor: Jean Jacques Vanden Eynde. Published in 2018 by MDPI, Basel, Switzerland
3. **POSPÍŠILOVÁ, Šárka** and HRICOVÍNIOVÁ, Jana and ČÍŽEK, Alois and HRICOVÍNIOVÁ, Zuzana and JAMPÍLEK, Josef. Antibacterial and anti-biofilm activity of quinazolinone derived Schiff base and its Cu(II) complex. *The 5th International Electronic Conference on Medicinal Chemistry (ECMC-4)*, November 1–30, 2019 (10.3390/ECMC2019-06299). <https://sciforum.net/paper/view/conference/6299> Editor: Jean Jacques Vanden Eynde.

Conference abstracts:

1. ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and PAUK, Karel and MASAŘÍKOVÁ, Martina and IMRAMOVSKÝ, Aleš and HANUSEK, Jiří and ČÍŽEK, Alois and JAMPÍLEK, Josef. Analysis of Bactericidal Effect of 4-Chloro-2-(4-chlorophenylcarbamoyl)phenyl Decylcarbamate against MRSA in Dependence on Time and Concentration under Conditions in Vitro. Book of Abstracts: *The XXIIIrd Tomášek Days of Young Microbiologists 2014*, Brno, Czech Republic, June 5-6, 2014, p.39. [ISBN 978-80-210-6508-6]
2. ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and PAUK, Karel and IMRAMOVSKÝ, Aleš and VINŠOVÁ, Jarmila and ČÍŽEK, Alois and JAMPÍLEK, Josef. Bactericidal Activity of (S)-5-Chloro-2-hydroxy-N-{3-methyl-1-oxo-1-[4-(trifluoromethyl)phenylamino]butan-2-yl}benzamide against MRSA in Dependence on Time and Concentration. Book of Abstracts: *The XXIIIrd International Symposium on Medicinal Chemistry (ISMC 2014)*, Lisbon, Portugal, September 7-11, 2014, *ChemMedChem* 2014, vol. 9, no. Suppl. A, 103 (C017), http://www.wiley-vch.de/vch/journals/2452/not2wis/4_ISMC_2014_posters.pdf. [ISSN 1860-7179, IF₂₀₁₃ = 3.046]
3. ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and PAUK, Karel and IMRAMOVSKÝ, Aleš and VINŠOVÁ, Jarmila and ČÍŽEK, Alois and JAMPÍLEK, Josef. Time-kill curve kinetics of 4-chloro-N-((2S)-1-[(3,4-dichlorophenyl)amino]-3-methyl-1-oxobutan-2-yl)-2-hydroxybenzamide against multidrug-resistant clinical isolates of methicillin-resistant *Staphylococcus aureus* (MRSA). Book of Abstracts: *The 3rd International Conference on Antimicrobial Research (ICAR 2014)*, Madrid, Spain, October 1-3, 2014, p. 327 (T71), www.icar-2014.org/files/ICAR2014-Book-Abstracts.rar.
4. ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and PAUK, Karel and IMRAMOVSKÝ, Aleš and ČÍŽEK, Alois and JAMPÍLEK, Josef. Antibacterial Activity of Novel Salicylanilides Against Vancomycin-resistant *Enterococcus faecalis* (VRE). Book of Abstracts: *The 25th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID 2015)*, Copenhagen, Denmark, April 25-28, 2015, EV0211, http://eccmid.meetingexpert.net/ECCMID_546/poster_124320/program.aspx/anchor124320.
5. GONĚC, Tomáš and KMEŤKO, Juraj and KOS, Jiří and **POSPÍŠILOVÁ, Šárka** and ZADRAŽILOVÁ, Iveta and JAMPÍLEK, Josef. Synthesis and Antimicrobial Activity of N-(halogenphenyl)-1-hydroxynaphthalene-2-carboxamides. Book of Abstract: *The XLIVth Conference "Synthesis and Analysis of Drugs"*, Brno, Czech Republic, September 2-4, 2015, p. 57 (P16). [ISBN 978-80-7305-760-2]
6. KOS, Jiří and GONĚC, Tomáš and ZADRAŽILOVÁ, Iveta and VALEŠOVÁ, Miroslava and **POSPÍŠILOVÁ, Šárka** and SPACZYŃSKA, Ewelina and JAMPÍLEK, Josef. Ring-Substituted 1-Hydroxynaphthalene-2-Carboxanilides as Potential Antibacterial Agents. Book of Abstract: *The XLIVth Conference "Synthesis and Analysis of Drugs"*, Brno, Czech Republic, September 2-4, 2015, p. 72 (P27). [ISBN 978-80-7305-760-2]
7. GONĚC, Tomáš and KOS, Jiří and ZADRAŽILOVÁ, Iveta and **POSPÍŠILOVÁ, Šárka** and ŠORAL, Michal and LIPTAJ, Tibor and JAMPÍLEK, Josef. Synthesis and Antibacterial Activity of N-(substituted phenyl)-1-hydroxynaphthalene-2-carboxamides. Book of Abstracts: *LIBLICE 2015 – The 50th Conference: "Advances in Organic, Bioorganic and Pharmaceutical Chemistry"*, Olomouc, Czech Republic, November 6-8, 2015, p.72 (Po20).
8. **POSPÍŠILOVÁ, Šárka** and RIAHIOVÁ, Sonia and REJMUND, Marta and MUSIOŁ, Robert and POLAŃSKI, Jarosław and ČÍŽEK, Alois and JAMPÍLEK, Josef. Derivatives of Thiosemicarbazones as Compounds with Potential Antimycotic Effect. Book of Abstracts: *The XXVth Tomášek Days of Young Microbiologists 2016*, Brno, Czech Republic, June 2-3, 2016, p. 18 (O-6). [ISBN 978-80-

210-8255-7]

9. MICHNOVÁ, Hana and **POSPÍŠILOVÁ, Šárka** and GONĚC, Tomáš and ČÍŽEK, Alois and JAMPÍLEK, Josef. Antimicrobial Effect of *N*-Aryl-2-hydroxynaphthalen-1-carboxamides against MRSA. Book of Abstracts: *The XXVth Tomášek Days of Young Microbiologists 2016*, Brno, Czech Republic, June 2-3, 2016, p. 72 (P-19). [ISBN 978-80-210-8255-7]
10. GONĚC, Tomáš and KOS, Jiří and **POSPÍŠILOVÁ, Šárka** and DOHÁŇŠOVÁ, Jana and ORAVEC, Michal and LIPTAJ, Tibor and JAMPÍLEK Josef. Synthesis and Antibacterial Activity of *N*-(Substituted phenyl)-2-hydroxynaphthalene-1-carboxamides. Book of Abstract: *The XLVth Conference "Synthesis and Analysis of Drugs"*, Hradec Králové, Czech Republic, June 22-24, 2016, p. 68-69 (P-8), http://www.faf.cuni.cz/getattachment/Special/REG-SAL2016/Sbornik-konference/Sbornik_SAL_2016.pdf.aspx
11. HAVELKOVÁ, Markéta and FAUSTMАНNOVÁ, Anna and **POSPÍŠILOVÁ, Šárka** and ČÍŽEK, Alois and BOBÁL, Pavel JAMPÍLEK, Josef and PÍŽOVÁ, Hana. Synthesis of Protein Kinase Inhibitors As New Potential Antimycobacterial Agents. Book of Abstract: *The XLVth Conference "Synthesis and Analysis of Drugs"*, Hradec Králové, Czech Republic, June 22-24, 2016, p. 70-71 (P-9), http://www.faf.cuni.cz/getattachment/Special/REG-SAL2016/Sbornik-konference/Sbornik_SAL_2016.pdf.aspx
12. **POSPÍŠILOVÁ, Šárka** and PAUK, Karel and IMRAMOVSKÝ, Aleš and ČÍŽEK, Alois and JAMPÍLEK, Josef. Synergetic Activity of Salicylanilides against Vancomycin-resistant *Enterococcus faecalis*. Book of Abstracts: *The 4th International Conference on Antimicrobial Research (ICAR 2016)*, Torremolinos - Málaga, Spain, June 29-July 1, 2016, p. 165, <http://www.icar-2016.org/bookofabstracts.pdf>
13. GONĚC, Tomáš and STRÁNÍK, Josef and **POSPÍŠILOVÁ, Šárka** and HOLAŇOVÁ, Lucie and KOS, Jiří and ORAVEC, Michal and KOLLÁR, Peter and ČÍŽEK, Alois and JAMPÍLEK, Josef. Synthesis and antimicrobial evaluation of alkyl 1-[(2-substituted phenyl)carbamoyl]naphthalene-2-yl carbamates. Book of Abstracts: *The 8th Central European Conference "Chemistry towards Biology" (CTB-2016)*, August 28-September 1, 2016, Brno, Czech Republic, p. 98 (P-18), <https://drive.google.com/file/d/0B4jNadd6XLlzMvM1RGUVFtNm/view>. [ISBN 978-80-7305-777-0]
14. MALÍK, Ivan and CSÖLLEI, Jozef and JAMPÍLEK, Josef and STANZEL, Lukáš and ZADRAŽILOVÁ, Iveta and ČURILLOVÁ, Jana and **POSPÍŠILOVÁ, Šárka**. Structure - antimicrobial properties evaluation of phenylcarbamic acid derivatives containing *N*-arylpiperazine scaffold. Book of Abstracts: *The 8th Central European Conference "Chemistry towards Biology" (CTB-2016)*, August 28-September 1, 2016, Brno, Czech Republic, p. 124 (P-44), <https://drive.google.com/file/d/0B4jNadd6XLlzMvM1RGUVFtNm/view>. [ISBN 978-80-7305-777-0]
15. JAMPÍLEK, Josef and KOS, Jiří and **POSPÍŠILOVÁ, Šárka** and GONĚC, Tomáš and ZADRAŽILOVÁ, Iveta and PÍŽOVÁ, Hana and BOBÁL, Pavel. Design of New Antibacterial Agents. Book of Abstracts: *The BIT's 14th Annual Congress of International Drug Discovery Science & Technology 2016 (IDDST-2016)*, Nanjing, China, November 16-19, 2016, p. 106.
16. JAMPÍLEK, Josef and GONĚC, Tomáš and KOS, Jiří and **POSPÍŠILOVÁ, Šárka**. Recent Advances in Design of Hydroxy(aza)naphthalenecarboxamide as Antimicrobials. Book of Abstracts: *International Conference on Progressive PharmSciences: Technology, Research and Development (EuroPPS-2017)*, Valencia, Spain, June 19-21, 2017, p. 12.
17. JAMPÍLEK, Josef and **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and PAVIĆ, Kristina and PERKOVIĆ, Ivana and ZORC, Branka. Antimycobacterial Screening of Four Series of Primaquine Derivatives. The 10th Joint Meeting on Medicinal Chemistry, Dubrovnik, Croatia, June 25-28, 2017, p. 244 (P168), http://www.jmmc2017.hr/images/Book_of_Abstracts_web.pdf. [ISBN 978-953-55232-8-4]

18. GONĚC, Tomáš and **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and KOS, Jiří and ČÍŽEK, Alois and JAMPÍLEK Josef. Synthesis and Antimycobacterial Activity of Substituted *N*-Phenyl-1-hydroxynaphthalene-2- carboxamides. Book of Abstracts: *The 69th International Conference of Chemical Societies*, Horný Smokovec, Slovakia, September 11-15, 2017, *ChemZi2017*, vol.13, no.1, 169-170 (5Po07). [ISSN 1336-7242]
19. JAMPÍLEK Josef and ORAVEC, Michal and KUNEŠ, Martin and **POSPÍŠILOVÁ, Šárka** and ČÍŽEK Alois. Investigation of Amphotericin B-Loaded NPs and Their In Vivo Permeation through Blood-Brain Barrier. Book of Abstracts: *The International Conference on BioNano Innovation (ICBNI 2017)*, Brisbane, Queensland, Australia, September 24-27, 2017, Bio K2, <https://icbni.com.au/event/session/706>.
20. ŠPLÍCHALOVÁ, Lenka and BÁBKOVÁ, Zuzana and VALČÁKOVÁ, Tereza and IHRICKÁ, Sabina and PASTUCHOVÁ, Alena and HELMA, Robert and **POSPÍŠILOVÁ, Šárka** and ADÁMIK, Matej and KREJČÍ, Aneta and NYGRÝNOVÁ, Jana and KOS, Jiří and GONĚC, Tomáš and JAMPÍLEK, Josef and MROZEK-WILCZKIEWICZ, Anna and MUSIOŁ, Robert and RATUSZNA, Alicja and RAMS-BARON, Marzena and FOJTA, Miroslav and BRÁZDOVÁ Marie. Characterization of 1-Hydroxynaphthalene-2-carboxanilide Derivatives as Cellular Dyes and Inhibitors of Selected Enzymes. Book of Abstracts: *The XVIIIth Meeting of Biochemists and Molecular Biologists*, Brno, Czech Republic, November 14-15, 2017, p. 90. [ISBN 978-80-210-8765-1]
21. JAMPÍLEK, Josef and **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and SPACZYŃSKA, Ewelina and MALARZ, Katarzyna and KOS, Jiří and MUSIOŁ, Robert. Recent Advances in Design of Hydroxyquinolines as Antimicrobials. Book of Abstracts: *The 2nd International Conference on Applied Chemistry (ICAC-2)*, Hurghada, Egypt, November 25-28, 2017, p. 7-8 (PL-4).
22. KAPUSTÍKOVÁ, Iva and MICHNOVÁ, Hana and **POSPÍŠILOVÁ, Šárka** and GONĚC, Tomáš and JAMPÍLEK, Josef. The Effect of Physicochemical Properties of 1-Hydroxynaphthalene-2-Carboxanilides on Their Antibacterial Activity against Methicillin-Resistant *Staphylococcus aureus* (MRSA). Book of Abstracts: *The 54th International Conference on Medicinal Chemistry (RICT2018)*, Strasbourg, France, July 4-6, 2018, p. 101 (P051).
23. JAMPÍLEK, Josef and KOS, Jiří and **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and KAPUSTÍKOVÁ, Iva. Halogenated Hydroxyquinolines as Promising Anti-infective Agents. Book of Abstracts: *The BIT's 16th Annual Congress of International Drug Discovery Science & Technology 2018 (IDDST-2018)*, Boston, MA, USA, August 16-18, 2018, p. 203.
24. **POSPÍŠILOVÁ, Šárka** and MICHNOVÁ, Hana and MALÍK, Ivan and CSOLLEI, Jozef and ČÍŽEK, Alois and JAMPÍLEK, Josef. In Vitro Activity of 1-(dipropylamino)-3-(azacycloalkyl)propan-2-yl (2-/3-llkoxyphenyl)carbamates. Book of Abstract "The 5th EFMC Young Medicinal Chemist Symposium" Ljubjana, Slovenia, September 6-7, 2018, P-032 p.89
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Grants:

1. Member of research group. ZADRAŽILOVÁ, Iveta. "Study of Antimicrobial Properties of Newly Synthesized Prospective Chemotherapeutics". (IGA VFU Brno 52/2014/FaF) in 2014.
2. POSPÍŠILOVÁ, Šárka JAMPÍLEK, Josef; "Investigation of Newly Synthesized Antibacterial Chemotherapeutics". (IGA VFU Brno 311/2016/FaF) in 2016.
3. POSPÍŠILOVÁ, Šárka and MICHNOVÁ, Hana. "Evaluation of antibacterial and antifungal activity of N,N'-tetra(cyklo)alkylamino-alkylarylcarbamates" (Comenius University in Bratislava No. UK/229/2018) in 2018.
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