

Research/art/teacher profile of a person

Name and surname doc. PharmDr. Silvia Bittner Fialová, PhD.
Document type: Research/art/teacher profile of a person
The name of the university Comenius University Bratislava
The seat of the university Šafárikovo námestie 6, 818 06 Bratislava
The name of the faculty Faculty of Pharmacy
The seat of the faculty Odbojárov 10, 832 32 Bratislava

I. - Basic information

I.1 - Surname	Bittner Fialová
I.2 - Name	Silvia
I.3 - Degrees	Assoc. prof.. PharmDr. PhD.
I.4 - Year of birth	1981
I.5 - Name of the workplace	Department of Pharmacognosy and Botany
I.6 - Address of the workplace	Odbojárov 10, 832 32 Bratislava
I.7 - Position	associate professor - university teacher
I.8 - E-mail address	fialova@fpharm.uniba.sk
I.9 - Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/3705
I.10 - Name of the study field in which a person works at the university	Pharmacognosy
I.11 - ORCID iD	https://orcid.org/0000-0002-7964-8613

II. - Higher education and further qualification growth

II.1 - First degree of higher education

II.2 - Second degree of higher education

II.a - Name of the university or institution	Faculty of Pharmacy Comenius University in Bratislava
II.b - Year	2004
II.c - Study field and programme	Pharmacy

II.3 - Third degree of higher education

II.a - Name of the university or institution	Faculty of Pharmacy Comenius University in Bratislava
II.b - Year	2010
II.c - Study field and programme	Pharmacognosy

II.4 - Associate professor

II.a - Name of the university or institution	Faculty of Pharmacy Comenius University in Bratislava
II.b - Year	2021
II.c - Study field and programme	Pharmacognosy

II.5 - Professor

II.6 - Doctor of Science (DrSc.)

III. - Current and previous employment

III.a - Occupation-position	III.b - Institution	III.c - Duration
associate professor - university teacher	Faculty of Pharmacy Comenius University in Bratislava	1.7.2021 - present
assistant - university teacher	Faculty of Pharmacy Comenius University in Bratislava	1.9.2010 - 30.6.2021
PhD student	Faculty of Pharmacy Comenius University in Bratislava	1.9.2006 - 31.8.2010
pharmacist	Lekárň "Pharmacia", Modra (Slovakia)	1.6.2004 - 31.8.2007

IV. - Development of pedagogical, professional, language, digital and other skills

IV.a - Activity description, course name, other	IV.b - Name of the institution	IV.c - Year
certificate ECDL start	Slovak Informatics Society	2008

V. - Overview of activities within the teaching career at the university

V.1 - Overview of the profile courses taught in the current academic year according to study programmes

V.1.a - Name of the profile course	V.1.b - Study programme	V.1.c - Degree	V.1.d - Field of study
Pharmacognosy 1 and 2 (practical training)	Pharmacy	II.	Pharmacy
Current Trends in Preparation of Natural Origin	Pharmacognosy	III. degree	Pharmacognosy

V.2 - Overview of the responsibility for the delivery, development and quality assurance of the study programme or its part at the university in the current academic year

V.2.a - Name of the study programme	V.2.b - Degree	V.2.c - Field of study
Pharmacognosy	III.	Pharmacognosy

V.4 - Overview of supervised final theses

V.4.1 - Number of currently supervised theses

V.4.b - Diploma (second degree)	7
V.4.c - Dissertation (third degree)	1

V.4.2 - Number of defended theses

V.4.b - Diploma (second degree)	23
V.4.c - Dissertation (third degree)	1

V.5 - Overview of other courses taught in the current academic year according to study programmes

V.5.a - Name of the course	V.5.b - Study programme	V.5.c - Degree	V.5.d - Field of study
Current trends in preparations of natural origin	Pharmacy	II.	Pharmacy

VI. - Overview of the research/artistic/other outputs

VI.1 - Overview of the research/artistic/other outputs and the corresponding citations

VI.1.1 - Number of the research/artistic/other outputs

VI.1.a - Overall 241

VI.1.b - Over the last six years 55

VI.1.2 - Number of the research/artistic/other outputs registered in the Web of Science or Scopus databases

VI.1.a - Overall 38

VI.1.b - Over the last six years 15

VI.1.3 - Number of citations corresponding to the research/artistic/other outputs

VI.1.a - Overall 637

VI.1.b - Over the last six years 529

VI.1.4 - Number of citations registered in the Web of Science or Scopus databases

VI.1.a - Overall 637

VI.1.b - Over the last six years 529

VI.1.5 - Number of invited lectures at the international, national level

VI.1.a - Overall 6/4

VI.1.b - Over the last six years 3/2

VI.2 - The most significant research/artistic/other outputs

1 **Slobodníková, Livia (30%) - Bittner Fialová, Silvia [KAUT] (30%) - Rendeková, Katarína (30%) - Kováč, Ján (5%) - Mučaji, Pavel (5%): Antibiofilm activity of plant polyphenols. Molecules. - Vol. 21, No. 12 (2016), Art. No. 1717 [15 s.]**

2 **Šarić-Kundalić, Broza (20%) - Bittner Fialová, Silvia [KAUT] (20%) - Dobeš, Christoph (5%) - Ōlzant, Silvester (5%) - Tekelová, Daniela (20%) - Grančai, Daniel (20%) - Reznicek, Gottfried (5%) - Saukel, Johannes (5%): Multivariate numerical taxonomy of *Mentha* species, hybrids, varieties and cultivars. Scientia Pharmaceutica. - Vol. 77, No. 4 (2009), s. 851-876.**

3 **Bittner Fialová, Silvia [KAUT] (30%) - Rendeková, Katarína (30%) - Mučaji, Pavel (10%) - Slobodníková, Livia (30%): Plant Natural Agents: Polyphenols, Alkaloids and Essential Oils as Perspective Solution of Microbial Resistance. Current Organic Chemistry. - Vol. 21, No. 18 (2017), s. 1875-1884.**

4 **Bittner Fialová, Silvia [KAUT] (15%) - Kello, Martin (12%) - Čoma, Matúš (4%) - Slobodníková, Livia (12%) - Drobná, Eva [UKOFABM] (12%) - Holková, Ivana (4%) - Garajová, Mária (11%) - Mrva, Martin (11%) - Zachar, Vlastimil (4%) - Lukáč, Miloš [KAUT] (15%). Derivatization of Rosmarinic Acid Enhances its in vitro Antitumor, Antimicrobial and Antiprotozoal Properties. Molecules, Roč. 24, č. 6 (2019), s. [1-11], Art. No. 1078 [online].**

5 **Slobodníková, Livia (50%) - Bittner Fialová, Silvia [KAUT] (40%) - Hupková, Helena (5%) - Grančai, Daniel (5%): Rosmarinic acid interaction with planktonic and biofilm *Staphylococcus aureus*. Natural Product Communications. - Vol. 8, No. 12 (2013), s. 1747-1750.**

VI.3 - The most significant research/artistic/other outputs over the last six years

1	Bittner Fialová, S.; Rendeková, K.; Mučaji, P.; Nagy, M.; Slobodníková, L. Antibacterial Activity of Medicinal Plants and Their Constituents in the Context of Skin and Wound Infections, Considering European Legislation and Folk Medicine—A Review. <i>Int. J. Mol. Sci.</i> 2021, 22, 10746. https://doi.org/10.3390/ijms221910746
2	Slobodníková, Livia (30%) - Bittner Fialová, Silvia [KAUT] (30%) - Rendeková, Katarína (30%) - Kováč, Ján (5%) - Mučaji, Pavel (5%): Antibiofilm activity of plant polyphenols. <i>Molecules</i>. - Vol. 21, No. 12 (2016), Art. No. 1717 [15 s.]
3	Bittner Fialová, Silvia [KAUT] (15%) - Kello, Martin (12%) - Čoma, Matúš (4%) - Slobodníková, Livia (12%) - Drobná, Eva [UKOFABM] (12%) - Holková, Ivana (4%) - Garajová, Mária (11%) - Mrva, Martin (11%) - Zachar, Vlastimil (4%) - Lukáč, Miloš [KAUT] (15%). Derivatization of Rosmarinic Acid Enhances its in vitro Antitumor, Antimicrobial and Antiprotozoal Properties. <i>Molecules</i>, Roč. 24, č. 6 (2019), s. [1-11], Art. No. 1078 [online].
4	Bittner Fialová, Silvia [KAUT] (30%) - Rendeková, Katarína (30%) - Mučaji, Pavel (10%) - Slobodníková, Livia (30%): Plant Natural Agents: Polyphenols, Alkaloids and Essential Oils as Perspective Solution of Microbial Resistance. <i>Current Organic Chemistry</i>. - Vol. 21, No. 18 (2017), s. 1875-1884.
5	Bittner Fialová, Silvia (25%); Kurin, E.(25%); Trajčíková, E.(20%); Jánošová, L.(5%); Šušaníková, I.(5%); Tekelová, D.(5%); Nagy, M.(10%); Mučaji, P.(5%) <i>Mentha Rhizomes as an Alternative Source of Natural Antioxidants. Molecules</i> 2020, 25, 200. https://doi.org/10.3390/molecules25010200

VI.4 - The most significant citations corresponding to the research/artistic/other outputs

1	Slobodníková, Livia [UKOLFMIU] (30%) - Bittner Fialová, Silvia [KAUT] [UKOFAFG] (30%) - Rendeková, Katarína [UKOFAFG] (30%) - Kováč, Ján [UKOLF] (5%) - Mučaji, Pavel [UKOFAFG] (5%): Antibiofilm activity of plant polyphenols In: <i>Molecules</i>. - Vol. 21, No. 12 (2016), Art. No. 1717 [15 s.]. - ISSN 1420-3049 Registrované v: wos, scopus Indikátor časopisu: IF (JCR) 2016=2,861 Kvartil Q: wos-jcr -- Q2 [Chemistry, organic] -- 2016 Ohlasy (119): [o1] 2017 Procópio, T.F. - de Siqueira Patriota, L.L. - de Moura, M.C. - da Silva, P.M. - de Oliveira, A.P.S. - do Nascimento Carvalho, L.V. - de Albuquerque Lima, T. - Soares, T. - da Silva, T.D. - Breitenbach Barroso Coelho, L.C. - da RochaPitta, M.G. - de Melo Rego, M.J.B. - Bressan Queiroz de Figueiredo, R.C. - Guedes Paiva, P.M. - Napoleao, T.H.: <i>International Journal of Biological Macromolecules</i>, vol. 98, DOI: 10.1016/j.ijbiomac.2017.02.019, 2017, s. 419-429 - SCI ; SCOPUS [o1] 2017 Espin, J.C. - Gonzalez-Sarrias, A. - Tomas-Barberán, F.A.: <i>Biochemical Pharmacology</i>, vol. 139, DOI: 10.1016/j.bcp.2017.04.033, 2017, s. 82-93 - SCI ; CPCIS ; SCOPUS [o1] 2017 Gandhi, A.D. - Vizhi, D.K. - Lavanya, K. - Kalpana, V.N. - Devi Rajeswari, V. - Babujanarthanam, R.: <i>Biochemistry and Biophysics Reports</i>, vol. 12, DOI: 10.1016/j.bbrep.2017.10.004, 2017, s. 193-197 - SCOPUS [o1] 2017 Papuc, C. - Goran, G.V. - Predescu, C.N. - Nicorescu, V. - Stefan, G.: <i>Comprehensive Reviews in Food Science and Food Safety</i>, vol. 16, no. 6, DOI: 10.1111/1541-4337.12298, 2017, s. 1243-1268 - SCI ; SCOPUS [o1] 2017 Mohieldin, E.A.M. - Muddathir, A.M. - Yamauchi, K. - Mitsunaga, T.: <i>Brazilian Journal of Pharmacognosy</i>, vol. 27, no. 5, DOI: 10.1016/j.bjp.2017.04.002, 2017, s. 611-618 - SCI ; SCOPUS
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VI.5 - Participation in conducting (leading) the most important research projects or art projects over the last six years

- | | |
|---|--|
| 1 | VEGA 1/0284/20 (<i>The research of natural compounds with therapeutic potential in human medicine: the comprehensive analysis, biological effects and study of synergy</i>) - principal investigator |
| 2 | OEMONOM - Erasmus+ Programme of the European Union, Key Action 2: Strategic Partnerships, Project no. 2020-1-CZ01-KA203-078218 - scientific co-worker |
| 3 | VEGA 1/0290/16 (<i>Comprehensive analysis of natural products with therapeutic potential in human medicine</i>) - principal investigator |
| 4 | APVV-15-0123 (<i>Medically important amphizoic amoebae and new strategies for their elimination</i>) - scientific co-worker, principal investigator for Faculty of Pharmacy UC |
| 5 | APVV-19-0056 (<i>Parasitologically important amphizoic amoebae and new strategies for their elimination</i>) - scientific co-worker, principal investigator for Faculty of Pharmacy UC |

VIII. - Overview of international mobilities and visits oriented on education and research/artistic/other activities in the given field of study

VIII.a - Name of the institution	VIII.b - Address of the institution	VIII.c - Duration (indicate the duration of stay)	VIII.d - Mobility scheme, employment contract, other (describe)
Division of Pharmacognosy, University of Vienna	Althanstrasse 14 A-1090 Vienna, Austria	03/2008 – 05/2008	scholarship ERASMUS
Division of Pharmacognosy, University of Vienna	Althanstrasse 14 A-1090 Vienna, Austria	01/2009 – 03/2009	scholarship SAIA
Division of Pharmacognosy, University of Vienna	Althanstrasse 14 A-1090 Vienna, Austria	06/2009 – 07/2009	self-financing

IX. - Other relevant facts

IX.a - If relevant, other activities related to higher education or research/artistic/other activities are mentioned

Co-guarantor of Pharmacognosy
Editor of the European Pharmaceutical Journal
Guest Editor in the scientific journal Molecules (MDPI) (2021 - 2023)
Executive editor of the magazine Medicinal Plants (since 2010)
Member of the editorial board of the magazine Acta Botanica (since 2022)
Assessment of works for domestic and foreign scientific and professional journals
Member of the Academic Senate of FAF UK (from 2010 to 2022)
Member of the departmental committee of doctoral studies in the Pharmacognosy study program
Member of the FaF UK Accreditation Board
Member of the examination committee of the state examination in the subjects Pharmacognosy, Pharmaceutical Chemistry, Pharmacology
Lectures on natural medicines and medicinal plants for the professional and lay public
Lectures for the University of the Third Age of the Comenius University in Bratislava

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