Ačai Pavel Doc., PhD., Ing. Bebravská 3 821 07 Bratislava

Fakulta chemickej a potravinárskej technológie

Slovenská technická univerzita v Bratislave

Personálne oddelenie

Radlinského 9

812 37 Bratislava

Vec: **Žiadosť o účasť vo výberovom konaní na funkčné miesto docenta.....**

Na základe vyhláseného výberového konania v zmysle § 5 ods 3 Zákona č. 552 /2003 Z.z. o výkone práce vo verejnom záujme v znení neskorších predpisov, uverejneného na stránke Ministerstva školstva SR, na webovej stránke STU a vývesných tabuliach Fakulty chemickej a potravinárskej technológie STU zo dňa 04. 07. 2023, sa týmto prihlasujem do výberového konania na obsadenie funkčného miesta docenta , pre študijný odbor chémia a technológia požívatín na Ústav/Oddelenie Potravinárstva a výživy/Potravinárskej technológie FCHPT STU v Bratislave, s nástupom od 01. 09. 2023 .

K žiadosti prikladám:

-životopis vo forme Europass
-vyplnenú prílohu Povinné kritériá pre habilitačné a inauguračné konanie na FCHPT STU- tab. (1)
-sumárny prehľad o pedagogickej činnosti a vedeckovýskumnej činnosti
-výpis z registra trestov
-doklady o vzdelaní

v Bratislave dňa 07. 07. 2023

.....

podpis

Súčasne týmto v súlade so Zákonom č. 18/2018 o ochrane osobných údajov a o zmene a doplnení niektorých zákonov ,dávam súhlas so spracovaním a uchovaním mojich osobných údajov na Fakulte chemickej a potravinárskej technológie, Slovenskej technickej univerzity v Bratislave, na účely vedenia v databáze uchádzačov o zamestnanie.

STU FCHPT SLOVENSKÁ TECHNICKÁ UNIVERZITA V BRATISLAVE FAKULTA CHEMICKEJ A POTRAVINÁRSKEJ TECHNOLÓGIE

PRÍLOHA K ŽIADOSTI O ÚČASŤ NA VÝBEROVOM KONANÍ NA FUNKČNÉ MIESTO DOCENTA

Prehľad kľúčových ukazovateľov pedagogickej a vedeckovýskumnej činnosti

Pavel Ačai, doc. Ing., PhD.

Kritérium	**K 06 .06. 2023**
Hodnotenie pedagogickej činnosti:	
I. Pedagogická aktivita	
Kontinuálna vzdelávacia činnosť	29 rokov po PhD.
Autorstvo (spoluautorstvo) vysokoškolskej učebnice alebo skrípt (učebných textov):	
• Vysokoškolské učebnice (ACA, ACB, ACC, ACD) alebo	2
• Skriptá, učebné texty, elektronické texty (BCI, BCK)	0
Hodnotenie vedeckej a výskumnej činnosti:	
II. Vedeckovýskumná aktivita	
Pôvodné vedecké práce v zahraničných a domácich recenzovaných časopisoch a zborníkoch (ADC, ADD, ADM, ADN, ADE, ADF, AEC, AED, AFA, AFB, AFC, AFD) a patenty, autorské osvedčenia a objavy (AGJ) spolu, z toho:	69
• Vedecké práce v karentovaných časopisoch v databáze WOS (ADC, ADD)[1]	23 (10 prvý autor)
• Patenty, autorské osvedčenia a objavy	-
Výstupy v kategóriách A+, A, A- a B	38 (23 WoS, 2 SCOPUS)
z toho výstupy v kategóriách A+ a A:	9
III. Ohlasy na publikačnú činnosť	
Citácie (SCI, SCOPUS, knižné a iné) spolu[1], z toho:	142
• Citácie registrované vo WOS a SCOPUS	142 (142 WoS a 0 Scopus)
• Ostatné neregistrované citácie	0
IV. Vedecká škola	
• CSc. alebo PhD., Dr., DrSc.	PhD.
• Vedúci grantového projektu	1 KEGA
• Spoluriešiteľ grantového projektu	2 VEGA*/2APVV*/ Štefánik*

Vedúci riešiteľ KEGA 035STU-4-2021

*Spoluriešiteľ grantových projektov: VEGA 1/3565/06 and Eureka E! 2497 EnBiom, 2004-06; French-Slovak Cooperation Project Štefánik no. 30, 2007-2009; VEGA 1/0532/18, 2018-21; APVV-15-0006, 2016-19; APVV-19-0031, 2020-23

V Bratislave, dňa: 06. 06.2023

.....

Doc. Ing. Pavel Ačai, PhD.

Minimálne kritériá na získanie titulu docent a titulu profesor
na FCHPT STU
Schválené vo VR STU 22. 02. 2021

Odbor habilitačného a inauguračného konania: **Chémia a technológia požívatín**

Minimálne povinné požiadavky	**Požadované minimálne hodnoty**		**Skutočné**
	Prof.	**Doc.**	
I. Vzdelávacia činnosť a tvorba študijných materiálov Vzdelávacia činnosť v rozsahu: Vysokoškolská učebnica alebo učebný text, skriptá (uvádza sa autorský podiel uchádzača): Záverečné práce obhájené pod vedením uchádzača:	3 roky po doc. 1 (3AH) 2x (3AH) 10	3 roky po PhD. - 1 (3AH) 5	2(ACB) 10 DP; 20 BP
II. Vedeckovýskumná alebo tvorivá umelecká aktivita*) Výstupy v kategóriách A+, A, A- a B z toho výstupy v kategóriách A+ a A:	50 (8) 15 (4)	15 (5) 6 (2)	38(9) 7(2)
III: Ohlasy na publikačnú alebo umeleckú aktivitu*) Ohlasy spolu z toho: Ohlasy registrované vo WoS alebo SCOPUS:	90 (45) 70 (35)	30 (15) 25 (12)	142(82) 142(82)
IV. Vedecká škola Výchova doktorandov: (skončený/po dizertačnej skúške): Účastník/vedúci výskumného alebo umeleckého projektu:	2 2/0 6/1	- - 3/0	6/1
V. Doplňujúce kritériá**)			

*) V zátvorke uviesť počty za posledných 5 rokov.
**) Doplňujúce kritériá určia vedecké rady fakúlt ohľadom na špecifiká odboru Hal konania.

Kategorizácia výstupov:

A+	publikácia v časopise Q1, medzinárodný patent	3
A	publikácia v časopise Q2, monografia v MRV	6
A-	publikácia v časopise WoS alebo SCOPUS, národný patent	16
B	ostatné publikácie vo WoS alebo SCOPUS, ostatné recenzované publikácie v časopisoch	13

Akceptuje sa zaradenie časopisu do kvartilov podľa WoS alebo SCOPUS.

SLOVENSKÁ TECHNICKÁ UNIVERZITA V BRATISLAVE
Fakulta chemickej a potravinárskej technológie

SUMÁRNY PREHĽAD PEDAGOGICKEJ A VEDECKOVÝSKUMNEJ ČINNOSTI K ŽIADOSTI NA VÝBEROVÉ KONANIE ZA MIESTO DOCENTA ALEBO PROFESORA

v odbore chémia a technológia požívatín

Meno a priezvisko: Pavel Ačai
Narodený (dátum a miesto): 31.08.1963 v Handlovej, Slovenská republika
Akademické a vedecké hodnosti (titul a rok získania): Ing. (r. 1989), PhD. (r. 1994), doc. (r. 2015)
Funkčné zaradenie: odborný asistent
Pracovisko: Ústav chemického a environmentálneho inžinierstva FCHPT STU v Bratislave, Radlinského 9, 812 37 Bratislava, Slovenská republika

Priebeh zamestnania:
- Odborný asistent na UCHEI FCHPT STU v Bratislave: 01.10.1992 – doteraz

1) Pedagogická činnosť

1.1 Prednášky (predmet, obdobie – akademické roky od-do, rozsah – počet semestrov a počet hodín týždenne)

N42330_4P Chemické inžinierstvo II – 2006/07-2008/09, 3 semestre, externé štúdium, 20 h/semester (spolu 4 semestre, 3 h/ týždeň)
N42336_4P Chemické inžinierstvo - 2007/08, 1 semester, externé štúdium, 20 h/ týždeň
423B4_4I - Bioreaktorové inžinierstvo II - 2009/10, 1 semester, 2 h/ týždeň
42304_4B Chemické inžinierstvo I, 1998/99-2001/02, vybrané kapitoly, 2 h/ týždeň.

N423Z5_4B Základy biochemického inžinierstva – 2019 – 2022, 4 semestre, 2 h/ týždeň

N423Z5_4B Biochemical Engineering Fundamentals – 2019 – 2021, 3 semestre, 2 h/týždeň (prednášané v anglickom jazyku pre zahraničných študentov programu ERAZMUS)

1.2 Semináre a laboratórne cvičenia (predmet, obdobie – akademické roky od-do, rozsah – počet semestrov a počet hodín týždenne):

Semináre

N423M2_4B Materiálové bilancie - 1994/95–2006/07, 2010/11-2012/2013, 16 semestrov, 2 h týždenne.

N423M2_4B Material balances 2016-2022, 6 semestrov, 3 h/týždeň (v anglickom jazyku pre zahraničných študentov programu ERAZMUS a študentov študujúcich po anglicky)

N42304_4B Chemické inžinierstvo I - 1989/90, 1992/93-1993/94, 1995/96-2005/06, 2008/2009-2012/13, 19 semestrov, 3 h/týždeň.

N42343_4B Chemické inžinierstvo II - 1992/93, 1994/95–2004/05, 2009/10-2012/13 , 16 semestrov, 3 h/ týždeň

N42336_4B Chemické inžinierstvo - 2007/08-2009/10, 7 semestrov, 3 h/týždeň

N423C5_4B Chemické a energetické inžinierstvo - 2015/16, 2022/23, 2 semestre

N42342_4B Bioinžinierstvo - 2007/08-2014/15, 7 semestrov, 2 h/ týždeň.

N42334_4B Základy biochemického inžinierstva - 2007/08-2014/15, 6 semestrov, 1 h/týždeň.

N423B2_4I Bioreaktorové inžinierstvo I - 2008/09-2014/15, 6 semestrov, 2 h/ týždeň

N423B4_4I Bioreaktorové inžinierstvo II - 2008/09-2010/11, 7 semestrov, 2 h/týždeň

N423Z5_4B Základy biochemického inžinierstva – 2017 – 2023, 4 semestre, 2 h/ týždeň

N423Z5_4B Biochemical Engineering Fundamentals – 2018 – 2021, 4 semestre, 2 h/týždeň (prednášané v anglickom jazyku pre zahraničných študentov programu ERAZMUS)

N423S0_4B Separačné procesy I - 2011/2012, 1 semester, 3 h/týždeň

N423S0_4I Separačné procesy - 2017/2023, 7 semesterov, 4 h/týždeň

N436P2_4I Prediktívna mikrobiológia a hodnotenie rizika – 2016 – 2022, 7 semestrov, 1h/týždeň

N42309_4I Projekt zo zariadení chemického a potravinárskeho priemyslu, 2002/03-2003/04, 2 semestre, 3 h/ týždeň

N423T3_4I Technologický projekt – 2011/2012 (spolu 1semester, 7 hodín týždenne)

N423T1_4I Technologický projekt – 2016/2017, 2018/2019, 2019/2020, 2020/2021, 2022/23 (spolu 5 semestrov, 9 hodín týždenne)

Laboratórne cvičenia

N42311_4B Laboratórne cvičenie z Chemického inžinierstva I - 1989/90–1993/94, 1995/96-2006/07,

18 semestrov, 1 h týždenne.

N42341_4B Laboratórne cvičenie z Chemického inžinierstva II - 1989/90–1992/93, 1994/95-2004/05, 15 semestrov, 2 h týždenne.

N42340_4P Laboratórne cvičenie z Chemického inžinierstva II - 2006/07-2008/09, 3 semestre, 1 h týždenne.

N42337_4B Laboratórne cvičenie z Chemického inžinierstva - 2007/08-2014/15, 8 semestrov, 1 h týždenne

1.3 Vedenie doktorandov resp. ašpirantov:
– počet vyškolených: 0
– počet súčasne školených: 0
1.4 Vedenie záverečných diplomových prác - **počet: 10**
1.5 Vedenie záverečných bakalárskych prác - **počet: 20**
1.6 Vedenie študentov v rámci ŠVOČ (počet, príp. umiestnenie vo fakultnom, resp. bývalom celoštátnom kole): 0
1.7 VŠ učebnice (kategória **ACA, ACB, ACC** a **ACD**) - **počet: 2**
1.8 Skriptá (kategória **BCI** a **BCK**) - **počet: 0**

2) Publikačná a iná vedecká aktivita aktualizovať

2.1 Pôvodné vedecké práce v zahraničných a domácich karentovaných (CC) časopisoch (kategória **ADC** a **ADD**) - **počet**: 23
z toho ako 1. autor - **počet**: 10
2.2 Pôvodné vedecké práce v zahraničných a domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (kategória **ADM** a **ADN**) - **počet**: 2
2.3 Pôvodné vedecké práce v ostatných zahraničných a domácich časopisoch (kategória **ADE** a **ADF**) - **počet**: 0
2.4 Pôvodné vedecké práce v zahraničných a domácich recenzovaných **nekonferenčných** zborníkoch, monografiách (kategória **AEC** a **AED**) - **počet**: 0
2.5 Publikované **pozvané** príspevky v zborníkoch zo zahraničných a domácich vedeckých konferencií (kategória **AFA** a **AFB**):
vo svetovom jazyku[x/] - **počet**: 0 z toho s ISBN - **počet**: 0
v národnom jazyku - **počet**: 0 z toho s ISBN - **počet**: 0
2.6 Publikované príspevky v zborníkoch zo zahraničných a domácich vedeckých konferencií (kategória **AFC** a **AFD**):
vo svetovom jazyku[x/] - **počet**: 39 z toho s ISBN - **počet**: 25
v národnom jazyku - **počet**: 9 z toho s ISBN - **počet**: 1
2.7 Patentové prihlášky, prihlášky úžitkových vzorov, prihlášky ochranných známok a pod. (kategória **AGJ**) - **počet: 0**
2.8 Abstrakty vedeckých prác v zahraničných a domácich karentovaných časopisoch a časopisoch registrovaných v databázach Web of Science alebo SCOPUS (kategória **AEG, AEH a AEM, AEN**) - **počet**: 0
2.9 Abstrakty pozvaných a ostatných príspevkov zo zahraničných a domácich vedeckých konferencií, ktoré vyšli v konferenčnom zborníku (kategória **AFE, AFF a AFG, AFH**) - **počet**:
vo svetovom jazyku[x/] - **počet**: 19 z toho s ISBN - **počet**: 19
v národnom jazyku - **počet**: 3 z toho s ISBN - **počet**: 3
2.10 Postery zo zahraničných a domácich vedeckých konferencií (kategória **AFK** a **AFL**) - **počet**: 23
z toho: – zahraničných[xxx/] - **počet**: 9 – domácich - **počet**: 14
2.11 Monografie a kapitoly v monografiách[xx/] (kategória **AAA, AAB, ABA, ABB, ABC, ABD**):
vo svetovom jazyku[x/] - **počet AH**: 0
v národnom jazyku - **počet AH**: 0
2.12 Prednášky na zahraničných vedeckých podujatiach– **počet: 2**
z toho: - osobne prednesené pozvané prednášky - **počet**: 0
- osobne prednesené prihlásené prednášky - **počet**: 1
2.13 Prednášky na domácich vedeckých podujatiach **(v zozname vyznačte osobne prednesené) – počet**: 12
z toho osobne prednesené - **počet**: 6

2.14 Získané finančné prostriedky v €:

Granty:

- VEGA: 0
- APVV: 0
- ŠPVaV: 0
- KEGA 8000 €
- Iné (napr. aplikovaný výskum MŠVVaŠ SR, finančný príspevok MŠVVaŠ SR na medzinárodné projekty a pod.): 0

Mimorozpočtové zdroje:

- medzinárodné projekty: 0
- ZoD: 0

2.15 Citácie (**počty**):

- SCI: 142 WoS + 0 Scopus
- knižné: 0
- iné: 0

Dátum: 06.06.2023

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Doc. Ing. Pavel Ačai, PhD.

PRÍLOHA K ŽIADOSTI O ÚČASŤ NA VÝBEROVOM KONANÍ NA FUNKČNÉ MIESTO DOCENTA
Prehľad publikačnej činnosti

Zobrazovací formát: Zoznam dokumentov podľa ISO690

Pozn: osobne odprednášané prednášky na domácich a zahraničných vedeckých konferenciách sú vyznačené **

ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 Ačai P., Michálková E., Báleš V. (1995). Biotransformation of cephalosporin C to 7-aminocephalosporanic acid with coimmobilized biocatalyst in a batch reactor. Part 1: Reaction kinetics and diffusion effects. Bioprocess Engineering, 12(5). **(50 %)**

ADC02 Ačai P., Michálková E., Báleš V. (1996). Biotransformation of cephalosporin C to 7-Aminocephalosporanic acid with coimmobilized biocatalyst in a batch reactor. Part 2: Mathematical and experimental modelling, Bioprocess Engineering, 14(2). **(50 %)**

ADC03 Polakovič M., Handríková G., Ačai P., Štefuca V., Báleš V. (1996).Pitfalls of initial reaction rate measurements. Immobilized cells: Basic and Applications, Progress in Biotechnology, 11, Elsevier,Amsterdam. **(20 %)**

ADC04 Illeová, V., Polakovič, M., Štefuca, V., Ačai, P., and Juma, M. (2003). Experimental modelling of thermal inactivation of urease. J. Biotechnol., 105 (3), 235-243. **(20 %)**

ADC05 Grznárová, G., Polakovič, M., Ačai, P., and Görner, T. (2004).Extra-column dispersion of macromolecular solutes in aqueous-phase size-exclusion chromatography. J. Chromatogr. A, 1040 (1), 33-43. **(20 %)**

ADC06 Slavica A., Ačai, P., Riethorst W., Nidetzky B. (2006). Study of the thermal stability of D-aminoacid oxidase from Trigonopsis variabilis reveals enzyme inactivation via multiple steps. Biocatalysis and Biotransformation 24(6), 1-11. **(20 %)**

ADC07 Ačai, P., Polakovič M. (2007). Design of a large-scale surface - aerated bioreactor for biomass production using a VOC substrate. Journal of Biotechnology 132, 149-155. **(50 %)**

ADC08 Ačai, P., Sorrenti, E., Gorner, T., Polakovič, M., Kongolo, M., De Donato, P. (2009). Pyrite passivation by humic acid investigated by inverse liquid chromatography. Colloids and surfaces. A, Physicochemical and engineering aspects, vol.337 n.1-3 39-46. **(30 %)**

ADC09 Vaňková K., Ačai P., Polakovič M. (2010). Modelling of fixed-bed adsorption of mono-, di-, and fructooligosaccharides on a cation-exchange resin. *Biochem. Eng. J.*, Volume 49, Issue 1, 84-88. **(30 %)**

ADC10 Ačai P., Valík Ľ., Liptáková D. (2014) Quantitative Risk Assessment of Bacillus cereus in pasteurized milk produced in the Slovak Republic. Czech J. Food Sci. Vol. 32, No. 2, pp. 122-131 **(40 %)**

ADC11 Schenkmayerová, A.[a] , Bučko, M.[a], Gemeiner, P.[a], Treľová, D.[b], Lacík, I.[b], Chorvát Jr., D. [c], Ačai, P.[d], Polakovič, M.[d], Lipták, L.[e], Rebroš, M.[e], Rosenberg, M.[e],Štefuca V.[f] , Neděla, V.[g], Tihlaříková, E.[g] Physical and Bioengineering Properties of Polyvinyl Alcohol Lens-Shaped Particles Versus Spherical Polyelectrolyte Complex Microcapsules as Immobilisation Matrices for a Whole-Cell Baeyer-VilligerMonooxygenase. Applied Biochemistry and Biotechnology 174 (5) , pp.1834-1849 **(10 %)**

ADC12 Ačai, P., Valík, Ľ., Medveďová, A., Rosskopf, F. (2016) Modelling and predicting the simultaneous growth of Escherichia coli and lactic acid bacteria in milk. In Food science and technology international. Vol. 22, iss., s. 475-484. ISSN 1082-0132 (0.991 - 2016). V databáze: CC: 000382939300002 ; DOI: 10.1177/1082013215622840. **(40 %)**

ADC13 Valík, Ľ., Ačai, P., Liptáková, D. Modelling the effects of lactic acid, sodium benzoate and temperature on the growth of Candida maltosa. In Letters in Applied Microbiology. Vol. 65, iss. 5 (2017), s. 453-460. ISSN 0266-8254 (1.471 - 2017). V databáze: CC ; DOI **(30 %)**

ADC14 Valík, Ľ., Ačai, P., - Medveďová, A. (2018) Application of competitive models in predicting the simultaneous growth of Staphylococcus aureus and lactic acid bacteria in milk. In Food Control. Vol. 87, s. 145-152. ISSN 0956-7135 (4.248 - 2018). V databáze: CC: 000428606500019 ; DOI: 10.1016/j.foodcont.2017.12.018 **(40 %)**

ADC15 Matejčeková, Z., Soltészová, F., Ačai, P., Liptáková, D., Valík, Ľ. (2018) Application of Lactobacillus plantarum in Functional Products Based on Fermented Buckwheat. In Journal of food science. Vol. 83, iss. 4, s. 1053-1062. ISSN 0022-1147 (2.081 - 2018). V databáze: CC: 000430123600025 ; DOI: 10.1111/1750-3841.14090, **(15 %)**

ADC16 Ačai, P., Medveďová, A., Mančušková, T., Valík, Ľ. (2019) Growth prediction of two bacterial populations in co-culture with lactic acid bacteria. In Food Science and Technology International. Vol. 23, iss. 6 (2017), s. 692-700, Art. No. UNSP 1082013219860360. ISSN 1082-0132 (1.081 - 2017). V databáze: DOI: 10.1177/1082013219860360 ; WOS: 000481488600001 ; CC: 000484932300007. **(40 %)**

ADC17 Ačai, P., Valík, Ľ., Medveďová, A., (2021) One- and Two-Step Kinetic Data Analysis Applie for a Single and Co-Culture Growth of Staphylococcus aureus, Escherichia coli, and Lactic Acid Bacteria in Milk. Applied Sciences-Basel, 11(18), 8673, DOI: 10.3390/app 11188673

ADC18 Nayab, A., K., Valík, Ľ., Ačai, P. (2023) Sorption isotherm modelling of chilgoza pine nuts (Pinus gerardiana). LWT, 174, 114437 **(30 %)**

ADD Vedecké práce v domácich karentovaných časopisoch

ADD01 Wrzosek K., Ačai P., Gramblička M., Polakovič M. Modeling of equilibrium and kinetics of human polyclonal immunoglobulin G adsorption on a tentacle cation exchanger. Chemical Papers, 67 (12) (2013), pp. 1537-1547 **(30 %)**

ADD02 Ačai P., Valík Ľ., Medveďová A., Studeničová A. Staphylococcus aureus in unripened ewes' lump cheese. Part 1: Exposure assessment after 24 h of fementation. Journal of Food and Nutrition research (ISSN 1336-8672), Vol. 53, No. 2, (2014), pp. 143-151.**(40 %)**

ADD03 Ačai P., Valík Ľ., Medveďová A., Studeničová A. Staphylococcus aureus in unripened ewes' lump cheese. Part 2: Exposure assessment at the time of consumption. Journal of Food and Nutrition research (ISSN 1336-8672), Vol. 53, No. 3, (2014), pp. 271-277 **(40 %)**

ADD04 Wiśniewski, Ł., Vaňková, K., Ačai, P., Polakovič, M. Effect of temperature on the equilibrium and kinetics of galactose, glucose, and lactose adsorption on a cation exchanger. Chemical Papers, (2014), 68 (12) , pp.1649-1655. **(10 %)**

ADD05 Valík Ľ., Medveďová A., Ačai P., Update of concepts in food microbiology education in Slovakia: from food microbiology to predictive microbiology and microbiological risk assessment in foods, Vol. 58, No. 3, pp. (2019), 201-207 **(10 %)**

ADF Vedecké práce v ostatných domácich časopisoch

0

ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

0

ADN Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADN 01 Illeova, V; Acai, P; Feher, J.; Polakovic, M. Biotransformation of acetophenone to R-1-phenylethanol with immobilized Pichia capsulata in batch reactor. Oct 2015 , Acta Chimica Slovaca, 8 (2), pp.107-114 **(20 %)**

ADN 02 Ačai P., Valík Ľ., Liptáková D., Minarovičová J. Modelling of Bacillus Cereus distribution in pasteurized milk at the time of consumption. Potravinárstvo Volume 7, Issue 1, (2013), pp. 63-66 **(50 %)**

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 **Ačai P., Michálková E., Báleš V. (1993). Mathematical modeling of the semicontinuous bioreactor with coimmobilized biocatalyst, Advances in Bioreactor Engineering, Lodž, (1993), p. 7 **(50 %)**

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AFC03 VALÍK, Ľubomír - AČAI, Pavel. The update concepts in food microbiology education: An introduction of knowledge and skills for predictive microbiology and microbiological risk assessment in foods, Slovakia. In 26th International ICFMH Conference - FoodMicro 2018, September 3rd – 6th 2018, Berlin, Germany : Book of Abstracts. 1. vyd. Berlin : Freie Universitat Berlin, 2018, S. 27. **(40 %)**

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AFD06. **Ačai, P., Polakovič M. (2004). Integration of fluid dynamics and microbial kinetics in Modeling of large-scale bioreactor for toluene degradation. Markoš, J., & Štefuca, V. (eds.), 31th InternationalConference of the Slovak Society of Chemical Engineering, May 2004, Tatranské Matliare, Slovak Republic, ISBN 80-227-2052-6. **(50 %)**

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AFD09 Wisniewski, L., Vaňková, K., Ačai, P., Polakovič, M. (2010). Influence of temperature on the equilibrium and kintetics of adsorption of glucose, galactose and lactose on a strong cation- exchange resin. In 37th International Conference of Slovak Society of Chemical EngineeringTatranské Matliare, 24.-28.máj, 2010. Bratislava: STU v Bratislave, 2010, s. 1427—1433. ISBN 978-80-227-3290-1. **(20 %)**

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AFK06 Báleš V., Ačai P. (1999). Mathematical analysis of the performance of a packed bed bioreactor with immobilized cells, 2nd European Congress of Chemical Engineering, October 1999, Montpellier, France, (1999). **(50 %)**

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AFH19 Wišniewski, L., Vaňková, K., Ačai, P., Polakovič, M. (2010).Influence of temperature on the equilibrium and kinetics of adsorption of glucose, galactose and lactose on a weak anion-exchange resin. In Markoš, J. (ed.), 37th International Conference of the Slovak Society of Chemical Engineering, May 2010, Tatranské Matliare, Slovak Republic. ISBN 978-80-227-3290-1. **(30 %)**

AFH20 Valík, Ľ., Medveďová, A., Ačai, P., Studeničová, A. (2013). It´s time (not only) to talk about quantitative microbiological risk assessment II: Fermentation of the ewes´ lump cheese. In *Proceedings of the 4th scientific congress with international participation on Zoonoses – common protection of humans and animal health, Bratislava, 16th - 18th October, 2013.* Bratislava: Ministry of Agriculture and Rural Development of the Slovak Republic, 2013, s. 93. ISBN 978-80-970552-7-1. **(20 %)**

AFH21 Šimko, I. Ačai, P., Gramblička, M., Antošová, M., Illeová, V., Polakovič, M. (2014). Adsorption kinetics of 2-phenylethanol and l-phenylalanine on two resins in a stirred vessel. In *Proceedings of 41st International Conference of Slovak Society of Chemical Engineering [elektronický zdroj] : SSCHE 2014. Tatranské Matliare, Slovakia, May 26-30, 2014.* Bratislava: AXIMA Graphic design and Printing Services, 2014, s. 187. ISBN 978-80-89475-13-1. **(20 %)**

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ACB VŠ učebnice

ACB01 Valík, Ľ., Ačai, P. Prediktívna mikrobiológia a mikrobiologické hodnotenie rizika. 1. vyd. Bratislava Vydavateľstvo STU 2016. 160 s. ISBN 978-80-227-4655-7.

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Štatistika: kategória publikačnej činnosti

ADC	Vedecké práce v zahraničných karentovaných časopisoch	18
ADD	Vedecké práce v domácich karentovaných časopisoch	5
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A^+: 3
A: 6
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B: 13

V Bratislave, dňa: 06.06. 2023

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Doc. Ing. Pavel Ačai, PhD.

PRÍLOHA K ŽIADOSTI O ÚČASŤ NA VÝBEROVOM KONANÍ NA FUNKČNÉ MIESTO DOCENTA

Zoznam citácií k 06.06. 2023

ADC01 Ačai P., Michálková E., Báleš V. (1995). Biotransformation of cephalosporin C to 7-aminocephalosporanic acid with coimmobilized biocatalyst in a batch reactor. Part 1: Reaction kinetics and diffusion effects. Bioprocess Engineering, 12(5).

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V Bratislave, dňa: 06.06. 2023

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Doc. Ing. Pavel Ačai, PhD.

SÚHLAS S UVEREJNENÍM ÚDAJOV

v rozsahu podľa § 76 ods. 10 písm. a) zákona o vysokých školách

Dolu podpísaný Pavel Ačai v súlade s čl. 6 ods. 1 písm. a) Nariadenia Európskeho parlamentu a Rady (EÚ) 2016/679 o ochrane fyzických osôb pri spracúvaní osobných údajov a o voľnom pohybe takýchto údajov (GDPR) a s § 13 ods. (1) písm. a) zákona č.18/2018 o ochrane osobných údajov

udeľujem/ ~~neudeľujem~~

Fakulte chemickej a potravinárskej technológie Slovenskej technickej univerzity v Bratislave súhlas s uverejnením údajov pre účely zverejnenia a overenia výsledku výberového konania na webovom sídle

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812 37 Bratislava

Odvolanie súhlasu nemá vplyv na zákonnosť zverejnenia osobných údajov založeného na súhlase pred jeho odvolaním.
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