

**Zoznam uchádzačových pôvodných publikovaných vedeckých  
prác, odborných prác, umeleckých prác, učebníc, učebných  
textov, riešených výskumných úloh..., citácií a ohlasov, prednášok  
doma a v zahraničí**

(podľa Smernice č. 13/2008-R o bibliografickej registrácii a kategorizácii publikačnej činnosti  
a umeleckej činnosti a ohlasov v znení neskorších predpisov, podľa § 4 ods. 2 vyhlášky)

**doc. Ing. Tomáš Bakalár, PhD.**

**Košice, január 2018**

**Technická univerzita v Košiciach**  
**Prehľad publikačnej činnosti vrátane ohlasov**  
**Autor: BAKALÁR, Tomáš**  
**Dátum generovania výstupu: 17. 1. 2018, 10:30:39**

**Skupina A1 - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)**

**Počet záznamov: 6**

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (2)

AAB - Vedecké monografie vydané v domácich vydavateľstvách (4)

**Skupina A2 - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, EAI, CAA, CAB, EAJ, FAI)**

**Počet záznamov: 9**

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (6)

BAB - Odborné monografie vydané v domácich vydavateľstvách (1)

BCI - Skriptá a učebné texty (2)

**Skupina B - Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy (ADC, ADD, AEG, AEH, BDC, BDD, CDC, CDD, AGJ)**

**Počet záznamov: 8**

ADC - Vedecké práce v zahraničných karentovaných časopisoch (8)

**Skupina C - Ostatné recenzované publikácie (ACC, ACD, ADE, ADF, AEC, AED, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEC, BED, BFA, BFB, BGH, CDE, CDF)**

**Počet záznamov: 99**

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (16)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (24)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (5)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (1)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (35)

AFD - Publikované príspevky na domácich vedeckých konferenciách (11)

AFG - Abstrakty príspevkov zo zahraničných konferencií (1)

AFH - Abstrakty príspevkov z domácich konferencií (6)

**Skupina N - Nové kategórie EPC v zmysle Vyhlášky č. 456/2012 (ADM, ADN, AEM, AEN, BDM, BDN, CBA, CBB)**

**Počet záznamov: 11**

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (7)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (4)

**Skupina D - Ostatné - mimo kategórií MŠSR**

**Počet záznamov: 15**

AGI - Správy o vyriešených vedeckovýskumných úlohách (2)

BEE - Odborné práce v zahraničných nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (7)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (3)

DAI - Dizertačné a habilitačné práce (2)

GAI - Výskumné štúdie a priebežné správy (1)

**Počet záznamov spolu: 148**

**Menný zoznam publikácií:**

**AAA - Vedecké monografie vydané v zahraničných vydavateľstvách(2)**

AAA001 [139096] **Heavy metal ions removal from aqueous solutions by a hybrid adsorption and microfiltration process** / Tomáš Bakalár - 1. vyd - Eger : Líceum Kiadó - 2013. - 95 p.. - ISBN 978-615-5250-34-7.

[BAKALÁR, Tomáš]

**Ohlasy:**

2016 [1] PAVOLOVÁ, H. Modelling of copper and zinc adsorption onto zeolite In: Metalurgija Vol. 55 no. 4 (2016), p.712-714 ISSN: 0543-5846

AAA002 [176252] **Low cost adsorbents for specific purposes** / Tomáš Bakalár - 1. vyd - Lewes, USA : ecoletra.com LLC - 2016. - 67 p. [CD-ROM]. - ISBN 978-1-63535-978-7.  
[BAKALÁR, Tomáš]

**AAB - Vedecké monografie vydané v domácich vydavateľstvách(4)**

AAB001 [132073] **Manažérstvo vodných zdrojov v SR** / Henrieta Pavolová, Tomáš Bakalár - 1. vyd. - Košice : REPROCENTRUM - 2012. - 193 s.. - ISBN 978-80-971259-0-5.  
[PAVOLOVÁ, Henrieta - BAKALÁR, Tomáš]

**Ohlasy:**

2013 [4] SABO, Štefan, PAVOL, Milan Nakladanie s vodami v aglomeráciách Východoslovenského regiónu pod 2000 EO In: Vedecký seminár doktorandov 2013 S. 1-6 ISBN: 978-80-553-1526-3

AAB002 [156873] **Environmental and economic aspects of MSWI fly-ash treatment** / Tomáš Bakalár, Henrieta Pavolová - 1. vyd - Košice : TU - 2014. - 122 s.. - ISBN 978-80-553-1907-0.  
[BAKALÁR, Tomáš - PAVOLOVÁ, Henrieta]

AAB003 [168329] **Environmental and economic aspects of MSWI fly-ash treatment** / Tomáš Bakalár, Henrieta Pavolová - 2. rozšír. vyd. - Košice : Technická univerzita - 2015. - 132 s.. - ISBN 978-80-553-2448-7.  
[BAKALÁR, Tomáš - PAVOLOVÁ, Henrieta]

AAB004 [168330] **Hospodárenie s vodou v podmienkach SR** vedecká monografia/ Henrieta Pavolová, Tomáš Bakalár - 1. vyd - Košice : Technická univerzita - 2015. - 121 s.. - ISBN 978-80-553-2447-0.  
[PAVOLOVÁ, Henrieta - BAKALÁR, Tomáš]

**ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(6)**

ACB001 [88384] **Separácia fáz** / Milan Búgel, Tomáš Bakalár - 1. vyd - Košice : TU FBerg, - 2009. - 108 s. - ISBN 978-80-553-0267-6.  
[BÚGEL, Milan - BAKALÁR, Tomáš]

ACB002 [105910] **Geoekológia** / Tomáš Bakalár - 1. vyd - Košice : Edičné stredisko Fakulty BERG - 2010. - 79 s. - ISBN 978-80-553-0558-5.  
[BAKALÁR, Tomáš]

ACB003 [95415] **Návody na cvičenia z technológií úpravy a čistenia vôd** / Tomáš Bakalár - 1. vyd - Košice : TU, FBERG - 2010. - 67 s. - ISBN 978-80-553-0392-5.  
[BAKALÁR, Tomáš]

ACB004 [96422] **Ekológia a environmentalistika** / Tomáš Bakalár, Terézia Szabová - 1. vyd - Košice : FBERG TU - 2010. - 88 s.. - ISBN 978-80-553-0415-1.  
[BAKALÁR, Tomáš - SZABOVÁ, Terézia]

**Ohlasy:**

2014 [1] HUSÁKOVÁ, Nikoleta Tools for Effective Application of Eco-Logistics In: CLC 2013 : Carpathian Logistics Congress - Congress Proceedings : Cracow, Poland, Dec 09-11, 2013 P. 80-83 ISBN: 978-80-87294-50-5

ACB005 [108396] **Chemické procesy** / Milan Búgel, Tomáš Bakalár - Košice : ES FBERG TU - 2011. - 116 s.. - ISBN 978-80-553-0638-4.  
[BÚGEL, Milan - BAKALÁR, Tomáš]

ACB006 [128157] **Revitalizácia a rekultivácia krajiny** / Henrieta Pavolová, Tomáš Bakalár - 1. vyd - Košice : TU - 2012. - 67 s.. - ISBN 978-80-553-1218-7.  
[PAVOLOVÁ, Henrieta - BAKALÁR, Tomáš]

#### **ADC - Vedecké práce v zahraničných karentovaných časopisoch(8)**

ADC001 [57555] **Microfiltration of suspensions of microparticulate ion exchanger through ceramic membrane** / Barbora Onderková ... [et al.] - 2006.In: Desalination. No. 200 (2006), p. 343-345. - ISSN 0011-9164 Spôsob prístupu: [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6TFX-4KKPCN1-4S&\\_user=10&\\_coverDate=11%2F20%2F2006&\\_rdoc=1&\\_fmt=&\\_orig=search&\\_sort=d&\\_view=c&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&md5=3fd44f4e7ece98542b183d4f7adc2e68](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TFX-4KKPCN1-4S&_user=10&_coverDate=11%2F20%2F2006&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=3fd44f4e7ece98542b183d4f7adc2e68)

[ONDERKOVÁ, Barbora - SCHLOSSER, Štefan - BAKALÁR, Tomáš - BÚGEL, Milan]

#### **Ohlasy:**

2010 [3] YIN, Na - LIU Fei - XING, Weihong Treatment of desulfurization wastewater with membrane process In: Membrane Science and Technology No. 6 (2010), p 75-78 ISSN: 1007-8924

2009 [1] BLAHUŠIAK, M.: Microfiltration of microparticulate boron adsorbent suspensions in submerged hollow fibre and capillary modules. In: Desalination. Vol. 241, no. 1-3 (2009), p. 138-147. ISSN 0011-9164.

ADC002 [68271] **Microfiltration of concentrated suspensions of a microparticulate ion-exchanger through a ceramic membrane** / Barbora Onderková ... [et al.] - 2007.In: Separation Science and Technology. Vol. 42, no. 13 (2007), p. 3003-3010. - ISSN 0149-6395  
[ONDERKOVÁ, Barbora - SCHLOSSER, Štefan - BAKALÁR, Tomáš - BÚGEL, Milan]

#### **Ohlasy:**

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ADC003 [77470] **Examination of the mutual interaction of heavy metals in course of adsorption from model solutions** / Ján Vereš ... [et al.] - 2008.In: Chemické listy. Vol. 102 (S), no. Symposia (2008), p. s503-s504. - ISSN 0009-2770 Spôsob prístupu: <http://www.chemicke-listy.cz>.  
[VEREŠ, Ján - BAKALÁR, Tomáš - BÚGEL, Milan - SISOL, Martin]

#### **Ohlasy:**

2011 [1] JANOŠKOVÁ, Katarína - MÜLLER, Gabriel Biosorption of cadmium from from aqueous solutions using orange peel, walnut and hazelnut shell In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : Conference Proceedings : Volume 3 : 20-25 June, 2011, Bulgaria P. 799-806 ISSN: 1314-2704

ADC004 [95743] **Sledovanie vplyvu posypových solí na procesy v aktivačnej nádrži** / Eliška Horniaková, Milan Búgel, Tomáš Bakalár - 2010.In: Chemické listy. Vol. 104, no. 4 (2010), p. 257-260. - ISSN 0009-2770 Spôsob prístupu: [http://www.chemicke-listy.cz/docs/full/2010\\_04\\_257-260.pdf](http://www.chemicke-listy.cz/docs/full/2010_04_257-260.pdf).

[HORNIAKOVÁ, Eliška - BÚGEL, Milan - BAKALÁR, Tomáš]

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2014 [1] ŠOFRANKO, M., ŠKVAREKOVÁ, E., WITTENBERGER, G. Working fluids used for drilling deep boreholes In: Applied Mechanics and Materials Vol. 508 (2014), p. 150-155 ISSN: 1660-9336

2014 [1] KADUKOVÁ, Jana, ŠKVAREKOVÁ, Erika, MIKLOŠ, Vojtech et al. Assessment of microbially influenced corrosion risk in slovak pipeline transmission network In: Journal of Failure Analysis and

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2016 [4] WITTENBERGER, Gabriel - ŠKVAREKOVÁ, Erika Pracovné kvapaliny používané pri vŕtaní hlbinných vrtoŕ In: Nové poznatky v oblasti vŕtania, ŕažby, dopravy a uskladňovania uhľovodíkov : New knowledge in the area of drilling production, transport and storage of hydrocarbons : Podbanské, 9-11 November, 2016 S. 109-114 ISBN: 978-80-553-3001-3

2016 [2] SKVAREKOVA, Erika - WITTENBERGER, Gabriel - SOFRANKO, Marian Tar related issues in underground coal gasification In: Acta Montanistica Slovaca Roč. 21, č. 4 (2016), s. 298-305 ISSN: 1335-1788

ADC005 [114122] **Influence of suspension concentration and transmembrane pressure on microfiltration of montmorillonite based suspension** / Katarína Janošková ... [et al.] - 2011.In: Desalination and Water Treatment : Science and Engineering. Vol. 34, no. 1-3 (2011), p. 163-166. - ISSN 1944-3994 Spôsob prístupu: [www.deswater.com](http://www.deswater.com).

[MÜLLER, Gabriel - JANOŠKOVÁ, Katarína - BAKALÁR, Tomáš - BÜGEL, Milan]

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2016 [1] PAVOLOVA, Henrieta - SABO, Stefan - KOZAKOVA, Ľubica Municipal solid waste incineration fly-ash stabilisation by cement and bentonite In: SGEM 2016 : 16th international multidisciplinary scientific Geoconference : Ecology, Economics, Education and Legislation : volume 1 : Albena, 30 June - 6 July, 2016 P. 455-462 ISBN: 978-619-7105-65-0

ADC006 [117339] **Removal of Zn(2) from aqueous solutions using Lewatit S1468** / Gabriel Müller ... [et al.] - 2012.In: Desalination and Water Treatment. Vol. 37, no. 1-3 (2012), p. 146-151. - ISSN 1944-3994 Spôsob prístupu: <http://www.deswater.com/readabstract.php?id=1592>.

[MÜLLER, Gabriel - JANOŠKOVÁ, Katarína - BAKALÁR, Tomáš - CAKL, Jiří - JIRÁNKOVÁ, Hana]

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2014 [1] ILAIYARAJA, P. et al. Removal of cobalt from aqueous solution using xanthate functionalized dendrimer In: Desalination and Water Treatment Vol. 52, no. 1-3 (2014), p. 438-445 ISSN: 1944-3994

2014 [1] PANADARE, Dhanashree C., LADE, Vikesh G., RATHOD, Virendra K. Adsorptive removal of copper(II) from aqueous solution onto the waste sweet lime peels (SLP): equilibrium, kinetics and thermodynamics studies In: Desalination and water treatment Vol. 52, no. 40-42 (2014), p. 7822-7837 ISSN: 1944-3994

2015 [1] TADESSE, Bezuayehu - TEJU, Endale - MEGERSA, Negussie The Teff straw: a novel low-cost adsorbent for quantitative removal of Cr(VI) from contaminated aqueous samples In: Desalination and Water Treatment Vol. 56, no. 11 (2015), p. 2925-2936 ISSN: 1944-3994

2016 [1] PAVOLOVÁ, H. et al. Modelling of copper and zinc adsorption onto zeolite In: Metalurgija Vol. 55, no. 4 (2016), p.712-714 ISSN: 0543-5846

2016 [1] GÎLCĂ, E. et al. Kinetic modeling and error analysis for zinc removal on a weak base anion exchange resin In: Desalination and Water Treatment Vol. 57, no. 41 (2016), 19510-19518 ISSN: 1944-3994

2016 [1] NAWAZ, R., ALI, K., KHAN, M. Extraction of copper from wastewater through supported liquid membrane using tri-ethanolamine as a carrier In: Desalination and Water Treatment Vol. 57, no. 46 (2016), p. 21827-21841 ISSN: 1944-3994

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: Albena, 30 June - 6 July, 2016 P. 455-462 ISBN: 978-619-7105-65-0

2017 [1] TRAN, H.N. et al. Mistakes and inconsistencies regarding adsorption of contaminants from aqueous solutions: A critical review In: Water Research Vol. 120 (2017), p. 88-116 ISSN: 0043-1354

ADC007 [183681] **Impact of aeration rate and zeolite concentration on the microfiltration flux** / Tomáš Bakalár, Štefan Sabo - 2017. In: Desalination and Water Treatment. Vol. 79 (2017), p. 228-234. - ISSN 1944-3994  
[BAKALÁR, Tomáš - SABO, Štefan]

ADC008 [184409] **Ostraňovanie Cu a Zn iónov z roztokov použitím kalu z úpravy pitných vôd** / Tomáš Bakalár, Henrieta Pavolová, Mária Kaňuchová - 2017. In: Chemické listy. Vol. 111, no. 4 (2017), p. 269-274. - ISSN 0009-2770  
[BAKALÁR, Tomáš - PAVOLOVÁ, Henrieta - KAŇUCHOVÁ, Mária]

#### **ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(16)**

ADE001 [33988] **Development of processing technology and mathematical model of modification of magnesite raw material** / Michal Leško, Milan Búgel, Tomáš Bakalár - 2002. In: Boletim Paranaense de geociencias. No. 50 (2002), p. 69-80. - ISSN 0067-964X  
[LEŠKO, Michal - BÚGEL, Milan - BAKALÁR, Tomáš]

##### **Ohlasy:**

2014 [1] LACIAK, Marek, ŠOFRANKO, Marián Optimization of device selection in design of technological lines for the aggregates production In: Applied Mechanics and Materials Vol. 611 (2014), p. 387-394 ISSN: 1662-7482

2014 [1] ŠOFRANKO, Marián, ZEMAN, Róbert Simulation of pipeline transport backfill mixtures In: ICCO 2014 : proceedings of the 2014 15th International Carpathian Control Conference : Velke Karlovice, May 28-30, 2014 P. 578-583 ISBN: 978-147993528-4

2015 [4] ŠOFRANKO, Marian - LACIAK, Marek Projektovanie technologickej linky na výrobu kameniva pomocou aplikácie Protelin In: SZVK Roč. 17, č. 2 (2015), s.14-18

2016 [2] ŠIMKOVÁ, Zuzana, CEHLÁR, Michal, PAVOLOVÁ, Henrieta Strategy of point out relevance of responsible exploitation of mineral resources In: Acta Montanistica Slovaca Roč. 21, č. 3 (2016), s. 208-216. ISSN: 1335-1788

ADE002 [42309] **Serpentine waste milling** / M. Leško ... [et al.] - 2006. In: Metalurgija. Vol. 45, no. 1 (2006), p. 31-35. - ISSN 0543-5846  
[LEŠKO, Michal - BÚGEL, Milan - PIETRIKOVÁ, Alena - BAKALÁR, Tomáš]

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2017 [2] LACKO, R., HAJDUOVÁ, Z., PAVOLOVÁ, H. Efficiency of mining and quarrying industry of V4 countries: the impact of investments and selected indicators In: Acta Montanistica Slovaca Roč. 22, č. 2 (2017), p. 136-145 ISSN: 1335-1788

ADE003 [49857] **Výskum meliteľnosti serpentinitovej suroviny z Dobšinej** / Michal Leško...[et al.] - 2006. In: Uhlí, rudy, geologický průzkum. no. 3 (2006), p. 27-33. - ISSN 1210-7697  
[LEŠKO, Michal - BÚGEL, Milan - BAKALÁR, Tomáš - PIETRIKOVÁ, Alena]

ADE004 [77641] **Equilibrium modeling of Cu and Ni removal from aqueous solutions: influence of salinity** / Tomáš Bakalár, Milan Búgel, Henrieta Pavolová - 2008. In: Proceedings of World Academy of Science, Engineering and Technology. Vol. 34, October (2008), p. 252-255. - ISSN 2070-3740 Spôsob prístupu: <http://www.waset.org/pwaset/v34/v34-43.pdf>.  
[BAKALÁR, Tomáš - BÚGEL, Milan - PAVOLOVÁ, Henrieta]

##### **Ohlasy:**

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2012 [1] UNGUREȘAN, Mihaela-Ligia, MĂICĂNEANU, Andrada, DULF, Francisc-Vasile Application of linear regression analysis for iron and copper removal process using natural zeolites In: Journal of Thermal Analysis and Calorimetry Vol. 110, no. 3 (2012), p. 1293–1297 ISSN: 1388-6150

2017 [3] MAHESWARI, S. Remediation of mercury contaminated soil by bacillus Sp, and pseudomonas Sp, isolated from rhizosphere soil In: International Journal of Innovative Research and Advanced Studies Vol. 4, no. 8 (2017), p. 112-116 ISSN: 2394-4404

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ADE005 [77644] **Possibilities of sewage sludge application in the conditions of Slovak republic** / Peter Takáč ... [et al.] - 2008. In: Proceedings of World Academy of Science, Engineering and Technology. Vol. 34, October (2008), p. 539-542. - ISSN 2070-3740 Spôsob prístupu:

<http://www.waset.org/pwaset/v34/v34-92.pdf>.

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2010 [1] AŞIK, B.B., KATKAT, A.V. Evaluation of wastewater sludge for possible agricultural use In: Environmental Engineering and Management Journal Vol. 9, no. 6 (2010), p. 819-826 ISSN: 1582-9596

2014 [1] ŠOFRANKO, M., ŠKVAREKOVÁ, E., WITTENBERGER, G. The possibilities of wastes utilization from magnesite extraction and treatment for backfilling In: Applied Mechanics and Materials Vol. 508 (2014), p. 263-268 ISSN: 1660-9336

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ADE007 [85201] **Influence of solution concentration on heavy metal removal using reverse osmosis** / Tomáš Bakalár ... [et al.] - 2009. In: Annals of Faculty of Engineering Hunedoara. Vol. 7, no. 1 (2009), p. 111-114. - ISSN 1584-2665

[BAKALÁR, Tomáš - GAJDOŠOVÁ, Lucia - BÚGEL, Milan - PAVOLOVÁ, Henrieta]

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