



SEMMELWEIS EGYETEM

Orvosi Mikrobiológiai Intézet

egyetemi tanár, igazgató

DR. SZABÓ DÓRA

A 2022. évi tudományos közlemények listája

Munk P, Brinch C, Møller FD, Petersen TN, Hendriksen RS, Seyfarth AM, Kjeldgaard JS, Svendsen CA, van Bunnik B, Berglund F; Global Sewage Surveillance Consortium; Larsson DGJ, Koopmans M, Woolhouse M, Aarestrup FM.

Genomic analysis of sewage from 101 countries reveals global landscape of antimicrobial resistance.

Nat Commun. 13(1): 7251 2022.

IF: 17,694

Judit Sahin-Tóth, Ervin Albert, Alexandra Juhász, Ágoston Ghidán, János Juhász, Andrea Horváth, Martin C. Steward, Orsolya Dobay

Prevalence of *Staphylococcus aureus* in wild hedgehogs (*Erinaceus europaeus*) and first report of mecC-MRSA in Hungary.

Science of the Total Environment 815:152858. 2022.

IF: 10,754

Brakel A., Krizsan A., Itzenga R., Kraus C.N., Otvos L. Jr., Hoffmann R.

Influence of Substitutions in the Binding Motif of Proline-Rich Antimicrobial Peptide ARV-1502 on 70S Ribosome Binding and Antimicrobial Activity

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 23 : 6 Paper: 3150 , 15 p. 2022

IF: 6,208

Hidi L, Kovács GI, Szabó D, Makra N, Péntes K, Juhász J, Sótónyi P, Ostorházi E.

Human blood vessel microbiota in healthy adults based on common femoral arteries of brain-dead multi-organ donors.

Front Cell Infect Microbiol. 30; 12:1056319. 2022.

IF: 6,073

Szabó BG, Kiss R, Makra N, Péntes K, Vad E, Kamotsay K, Szabó D, Ostorházi E.

Composition and changes of blood microbiota in adult patients with community-acquired sepsis: A pilot study from bench to bedside.

Front Cell Infect Microbiol. 2022 Dec 13;12:1067476.

doi: 10.3389/fcimb.2022.1067476. eCollection 2022.

IF: 6,073

Bereczki I, Szűcs Z, Batta G, Nagy TM, Ostorházi E, Kövér KE, Borbás A, Herczegh P.

The First Dimeric Derivatives of the Glycopeptide Antibiotic Teicoplanin.

Pharmaceuticals (Basel). 8;15 (1):77. 2022.

IF: 5,863

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Volland H, Ballesté-Delpierre C, Szabó D, Gonzalez C, Takissian J, Aszalos AZ, Ostorhazi E, Farkas S, Kamotsay K, Rosenmoller M, Stankov-Pugès M, Francius L, Boutigny L, Sivan V, Simon S, Gelhaye S, Bosch J, Vila J, Naas T. .
Rapid detection of CTX-M-type ESBLs and carbapenemases directly from biological samples using the BL-DetecTool.

J Antimicrob Chemother. 30;77(10):2867-2875. 2022.

doi: 10.1093/jac/dkac264.

IF: 5,758

Farkas E, Tarr R, Gerecsei T, Saftics A, Kovács KD, Stercz B, Domokos J, Peter B, Kurunczi S, Szekacs I, Bonyár A, Bányai A, Fürjes P, Ruszkai-Szaniszló S, Varga M, Szabó B, Ostorházi E, Szabó D, Horvath R.

Development and In-Depth Characterization of Bacteria Repellent and Bacteria Adhesive Antibody-Coated Surfaces Using Optical Waveguide Biosensing.

Biosensors (Basel). 2022 Jan 20;12(2):56.

doi: 10.3390/bios12020056.

IF: 5,743

Palcsó Barnabás, Kazsoki Adrienn, Herczegh Anna, Ghidán Ágoston, Pinke Balázs, Mészáros László, Zelkó Romána

Formulation of Chlorine-Dioxide-Releasing Nanofibers for Disinfection in Humid and CO₂-Rich Environment. *NANOMATERIALS* 12 : 9 Paper: 1481 , 12 p. 2022.

IF: 5,719

Hajdrik P, Pályi B, Kis Z, Kovács N, Veres DS, Szigeti K, Budán F, Hegedüs I, Kovács T, Bergmann R, Máthé D.

In Vitro Determination of Inhibitory Effects of Humic Substances Complexing Zn and Se on SARS-CoV-2 Virus Replication

FOODS 11 : 5 Paper: 694 , 12 p. 2022.

IF: 5,561

Brakel Alexandra, Kolano Lisa, Kraus Carl N., Otvos Laszlo, Hoffmann Ralf

Functional Effects of ARV-1502 Analogs Against Bacterial Hsp70 and Implications for Antimicrobial Activity

FRONTIERS IN CHEMISTRY 10 Paper: 798006 , 13 p. 2022.

IF: 5,545

Sági Viktória, Makra Nóra, Csozászki Noémi, Decmann Abel, Szabó Dóra, Garami Miklós

The Influence of the Gut Microbiome in Paediatric Cancer Origin and Treatment

ANTIBIOTICS 11 : 11 Paper: 1521 , 13 p. 2022.

IF: 5,222

Reguly István Z., Csercsik Dávid, Juhász János, Tornai Kálmán, Bujtár Zsófia, Horváth Gergely, Keömley-Horváth Bence, Kós Tamás, Cserey György, Iván Kristóf, Pongor Sándor, Szederkényi Gábor, Röst Gergely, Csikász-Nagy Attila

Microsimulation based quantitative analysis of COVID-19 management strategies

PLOS COMPUTATIONAL BIOLOGY 18 : 1 Paper: e1009693 , 14 p. 2022.

IF: 4,779

Mansour B, Monyók Á, Gajdács M, Stercz B, Makra N, Péntes K, Vadnay I, Szabó D, Ostorházi E.

Bladder Tissue Microbiome Composition in Patients of Bladder Cancer or Benign Prostatic Hyperplasia and Related Human Beta Defensin Levels.

Biomedicines. 2022 Jul 21;10(7):1758.

doi: 10.3390/biomedicines10071758.

IF: 4,757

Gavino DM, Ferrari M, Mazzarello V, Zanetti S, Kushkevych I, K.-M. R. Rittmann S, Stájer A, Baráth Z, Szabó D, Urbán E, Gajdács M.

No Correlation between Biofilm-Forming Capacity and Antibiotic Resistance in Environmental Staphylococcus spp.: In Vitro Results

PATHOGENS 11 : 4 Paper: 471 , 14 p. 2022.

IF: 4,531

Szűcs Z, Bereczki I, Fenyvesi F, Herczegh P, Ostorházi E, Borbás A.

Synthesis of an amphiphilic vancomycin aglycone derivative inspired by polymyxins: overcoming glycopeptide resistance in Gram-positive and Gram-negative bacteria in synergy

with teicoplanin in vitro.

Sci Rep. 3;12(1):20921. 2022.

doi:10.1038/s41598-022-24807-0.

IF: 4,379

Nagy A, Csonka N, Takács M, Mezei E, Barabás É

West Nile and Usutu virus seroprevalence in Hungary: A nationwide serosurvey among blood donors in 2019

PLOS ONE 17 : 4 Paper: e0266840 , 12 p. 2022.

IF: 3,752

Magyar N, Déri D, Veres DS, Kis Z, Barcsay E, Pályi B.

Evaluating the field performance of multiple SARS-Cov-2 antigen rapid tests using nasopharyngeal swab samples

PLOS ONE 17 : 2 Paper: e0262399 , 13 p. 2022.

IF: 3,752

Juhász A., Lawton S.P.

Toll like receptors and their evolution in the lymnaeid freshwater snail species *Radix auricularia* and *Lymnaea stagnalis*, key intermediate hosts for zoonotic trematodes

DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY 127 Paper: 104297 , 10 p. 2022.

IF: 3,605

Kocsis B, Gulyás D, Szabó D.

Emergence and Dissemination of Extraintestinal Pathogenic High-Risk International Clones of *Escherichia coli*. *Life (Basel)*. 12(12): 2077. 2022.

IF: 3,253

Juhász A, Stothard J. R.

The giant liver fluke in Europe: A review of *Fascioloides magna* within cervids and livestock with considerations on an expanding snail-fluke transmission risk

ADVANCES IN PARASITOLOGY 119 pp. 223-257. , 35 p. 2022.

IF: 3,125

Szabo H., Piroska M 1 , Hernyes A. , Zoldi L. , Juhasz J., Ligeti B. , Makra N., Szabo D., Bikov A. , Kunos L., Tarnoki D. A., Tarnoki L. D.

The Relationship between Atherosclerosis and Gut Microbiome in Patients with Obstructive Sleep Apnoea

Appl. Sci., 12(22), 11484; 2022.

IF: 2,838

Bikov A, Szabo H, Marton P, Kunos L, Szily M, Ligeti B, Makra N, Szabo D, Tarnoki DL, Tarnoki AD

Gut Microbiome in Patients with Obstructive Sleep Apnoea

APPLIED SCIENCES-BASEL 12 : 4 Paper: 2007 , 12 p. 2022.

IF: 2,838

Juhász A, Majoros G, Cech G

Threat of cercarial dermatitis in Hungary: A first report of *Trichobilharzia franki* from the mallard (*Anas platyrhynchos*) and European ear snail (*Radix auricularia*) using molecular methods

INTERNATIONAL JOURNAL FOR PARASITOLOGY – PARASITES AND WILDLIFE 18 pp. 92-100., 9 p. 2022.

IF: 2,773

Juhász A., Barlow S.E.J., Williams H., Johnson B., Walsh N.D., Cunningham L.C., Jones S., LaCourse E.J., Stothard J.R.

A report of *Bilharziella polonica* cercariae in Knowsley Safari, Prescott, United Kingdom, with notes on other trematodes implicated in human cercarial dermatitis

JOURNAL OF HELMINTHOLOGY 96 Paper: e79 , 7 p. 2022.

IF: 1,866

Bujáki E, Farkas Á, Takács M

Echovirus 9 genetic diversity detected in whole-capsid genome sequences obtained directly from clinical specimens using next generation sequencing

Acta Microbiologica et Immunologica Hungarica 69 (3) 233-240. 2022.

IF: 1,81

Nagy A, Horváth A, Nagy O, Koroknai A, Csonka N, Barabás É, Takács M

A nyugat-nílusú vírusfertőzések jelentősége hazánkban

Orvosok Lapja XIX : 3 pp. 22-24. , 3 p. 2022.

Takács M, Henczkó J, Déri D, Barcsay E, Pályi B, Kis Z

Majomhimlő: Régi kórokozó új köntösben

Orvosok Lapja XIX. : 4 pp. 18-20. , 3 p. 2022.