



Univerzita J. Selyeho

Bratislavská cesta 3322, P. O. Box 54 , 945 01 Komárno

Cena rektora UJS v roku 2021 bola udelená na základe nasledovných vedeckých výstupov

A SJE rektori díja a 2021 évben az alábbi tudományos cikkek alapján került odaitélésre

Bencsik, Andrea - Jakubík, Maria - Juhász, Tímea : The Economic Consequences of Trust and Distrust in Knowledge-Intensive Organizations.

In: Journal of competitiveness [print, electronic] : the scientific periodical published by the Faculty of Management and Economics of Tomas Bata University in Zlín. - ISSN 1804-171X. - Vol. 12, no. 3 (2020), p. 28-46.

Q2

Bukor, József - Filip, Ferdinánd - Tóth, János - Zsilinszky, László : On $l < q$ - and $l \leq q$ -convergence of arithmetic functions

In: Periodica Mathematica Hungarica [print] : journal of the János Bolyai Mathematical Society. - ISSN 0031-5303. - Vol. 82, no. 2 (2021), p. 125-135.

Q3

Marcineková, Tatiana - **Borbélyová, Diana** - Tirpáková, Anna : Optimization of children's transition from preschool and family environment to the first grade of primary school in Slovakia by implementation of an adaptation programme.

In: Children and youth services review [print, electronic] . - ISSN 1873-7765 (online). - Vol. 119 (2020), p. 1-10.

Q1

Csiba, Peter - Németh, László : Some Properties of the Exeter Transformation.

In: Mathematics [electronic] . - ISSN 2227-7390. - Vol. 9, no. 7 (2021), p. 1-13.

Q1

Band, Shahab S. - Mohammadzadeh, Ardashir - **Csiba, Peter** - Mosavi, Amirhosein - Várkonyiné Kóczy, Annamária : Voltage Regulation for Photovoltaics-Battery-Fuel Systems Using Adaptive Group Method of Data Handling Neural Networks (GMDH-NN).

In: IEEE Access [electronic] : practical innovations, open solutions. - ISSN 2169-3536 (online). - online, vol. 8 (2020), p. 213748-213757.

Q1

Nosratabadi, Saeed - Mosavi, Amirhosein - Duan, Puhong - Ghamisi, Pedram - **Filip, Ferdinánd** -

Band, Shahab S. - Reuter, Uwe - Gama, Joao - Gandomi, Amir H. : Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods.

In: Mathematics [electronic] . - ISSN 2227-7390. - Vol. 8, no. 10 (2020), p. 1799-1823.

Q1

Ardabili, Sina Faizollahzadeh - Mosavi, Amir - Ghamisi, Pedram - **Filip, Ferdinánd** - Várkonyiné Kóczy, Annamária - Reuter, Uwe - Rabczuk, Timon - Atkinson, Peter M. : COVID-19 Outbreak Prediction with Machine Learning.

In: Algorithms. - ISSN 1999-4893. - Vol. 13, no. 10 (2020), p. [1-36].

Q3

Bukor, József - **Filip, Ferdinánd** - Tóth, János - Zsilinszky, László : On $l < q$ - and $l \leq q$ -convergence of arithmetic functions

In: Periodica Mathematica Hungarica [print] : journal of the János Bolyai Mathematical Society. - ISSN 0031-5303. - Vol. 82, no. 2 (2021), p. 125-135.

Q3



Univerzita J. Selyeho

Bratislavská cesta 3322, P. O. Box 54 , 945 01 Komárno

Pinkas, Jiří - Horáček, Michal - Varga, Vojtěch - Mach, Karel - Szarka, Katarína - Vargová, Andrea - **Gyepes, Róbert** : Synthesis, structure and ethylene polymerisation activity of {eta(5):eta(1)(N)-1-[(tert-butylamido)diphenylsilyl]-2,3,4,5-tetramethylcyclopentadienyl}dichlorotitanium(IV).

In: Polyhedron [print] : The International Journal for Research in Inorganic Chemistry. - ISSN 0277-5387. - Vol. 188 (2020), p. 1-20.

Q2

Šlosár, Miroslav - Kopta, Tomáš - **Hegedús, Ondrej** - Hegedúsová, Alžbeta - Mezeyová, Ivana - Timoracká, Mária - Mezey, Ján : Yield parameters, antioxidant activity, polyphenol and total soluble solids content of beetroot cultivars with different flesh colours.

In: Folia horticulturae [print, electronic] . - ISSN 0867-1761. - Vol. 32, no. 2 (2020), p. 351-362.

Q1

Maňová, Adriána - Hegedúsová, Alžbeta - Andrejiová, Alena - **Hegedús, Ondrej** - Golian, Marcel - Šlosár, Miroslav - Lidiková, Judita - Lošák, Tomáš : Evaluation of Storage and Freezing, Baking, and Boiling Treatments on Total Carotenoids Content in the Fruits of Selected Cucurbita moschata Duch. Varieties.

In: Journal of food quality [print, electronic] . - ISSN 0146-9428. - [print, online].

Q3

Tóth, Péter - **Horváth, Kinga** - Ambrus Attila Józsefné Kéri, Katalin : Development Level of Engineering Students' Inductive Thinking.

In: Acta Polytechnica Hungarica [print] : An international peer-reviewed scientific journal of Óbuda University, Hungarian Academy of Engineering and IEEE Hungary Section : journal of applied sciences. - ISSN 1785-8860. - Vol. 18, no. 5 (2021), p. 107-129.

Q3

Bali, Krisztina - Bak, Mónika - Szarka, Katarína - **Juhász, György** - Sáfrán, György - Pécz, Béla - Mihály, Judith - Mészáros, Róbert : Controlling the morphology of poly(ethyleneimine)/gold nanoassemblies through the variation of pH and electrolyte additives.

In: Journal of Molecular Liquids [print, electronic] . - ISSN 0167-7322. - Vol. 322 (2021), p. [1-11].

Q1

Li, Gen - Varga, Imre - **Kardos, Attila** - Dobryden, Illia - Claesson, Per M. : Temperature-Dependent Nanomechanical Properties of Adsorbed Poly-NIPAm Microgel Particles Immersed in Water.

In: Langmuir [print] : the ACS journal of surfaces and colloids. - ISSN 0743-7463. - Vol. 37, no. 5 (2021), p. 1902-1912.

Q2

Fröhlich, Róbert - Tamás, Levente - **Kató, József Zoltán** : Absolute Pose Estimation of Central Cameras Using Planar Regions.

In: IEEE Transactions on Pattern Analysis and Machine Intelligence [print] . - ISSN 0162-8828. - Vol. 43, no. 2 (2021), p. 377-391.

Q1

Abdellali, Hichem - **Kató, József Zoltán** : 3D reconstruction with depth prior using graph-cut.

In: Central European Journal of Operations Research [print, electronic] . - ISSN 1435-246X. - Vol. 29, no. 2 (2021), p. 387-402.

Q2

Tóth, Péter - Horváth, Kinga - **Ambrus Attila Józsefné Kéri, Katalin** : Development Level of Engineering Students' Inductive Thinking.

In: Acta Polytechnica Hungarica [print] : An international peer-reviewed scientific journal of Óbuda University, Hungarian Academy of Engineering and IEEE Hungary Section : journal of applied sciences. - ISSN 1785-8860. - Vol. 18, no. 5 (2021), p. 107-129.

Q3



Univerzita J. Selyeho

Bratislavská cesta 3322, P. O. Box 54 , 945 01 Komárno

Ambrus Attila Józsefné Kéri, Katalin : Past into the future: a history of education in the digital age = Múlt a jövőben: neveléstörténet a digitális korban.

In: Civil Szemle [print] . - ISSN 1786-3341. - Vol. 17, no. spec. issue 1 (2020), p. 23-35.

Q4

Karácsony, Péter : Analyzing the Relationship between Leadership Style and Corporate Social Responsibility in Hungarian Small and Medium-sized Enterprises.

In: Acta Polytechnica Hungarica [print] : An international peer-reviewed scientific journal of Óbuda University, Hungarian Academy of Engineering and IEEE Hungary Section : journal of applied sciences. - ISSN 1785-8860. - Vol. 17, no. 7 (2020), p. 183-198.

Q3

Karácsony, Péter - Vinichenko, Mikhail Vasilievich : Analysis of the motivation of agricultural workers in Bulgaria and Hungary.

In: Bulgarian journal of agricultural science [print] . - ISSN 1310-0351. - Vol. 27, no. 3 (2021), p. 479-486.

Q4

Korcsmáros, Enikő - Machová, Renáta : Challenges of burnout prevention in slovak smes– focus on optimal employment.

In: Acta Polytechnica Hungarica [print] : An international peer-reviewed scientific journal of Óbuda University, Hungarian Academy of Engineering and IEEE Hungary Section : journal of applied sciences. - ISSN 1785-8860. - Vol. 18, no. 2 (2021), p. 87-104.

Q3

Caja, Fabian - Stakheev, Dmitry - Chernyavskiy, Oleksandr - Kubinová, Lucie - Křížan, Jiří - Dvořák, Jiří - Rossmann, Pavel - Štěpánková, Renata - Makovický, Peter - **Makovický, Pavol** - Vymetalková, Veronika - Souček, Pavel - Vodička, Pavel - Vodičková, Ludmila - Levy, Miroslav - Vannucci, Luca : Local immune changes in early stages of inflammation and carcinogenesis correlate with the collagen scaffold changes of the colon mucosa.

In: Cancers [electronic] . - ISSN 2072-6694 (online). - Vol. 13, no. 10 (2021), p. 1-21.

Q1

Šedová, Lucie - Buková, Ivana - Bažantová, Pavla - Petrezsélyová, Silvia - Prochazka, Jan - Školníková, Elena - Zudová, Dagmar - Včelák, Josef - **Makovický, Pavol** - Bendlová, Bela - Šeda, Ondřej - Sedlacek, Radislav : Semi-Lethal Primary Ciliary Dyskinesia in Rats Lacking the Nme7 Gene.

In: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. - Vol. 22, no. 8 (2021), p. 3810-3824.

Q1

Magdálek, Jan - **Makovický, Pavol** - Vadlejch, Jaroslav : Nematode-induced pathological lesions and alterations of mucin pattern identified in abomasa of wild ruminants.

In: International Journal for Parasitology-Parasites and Wildlife [electronic] . - ISSN 2213-2244. - Vol. 14 (2020), p. 62-67.

Q2

Caja, Fabian - Stakheev, Dmitry - Chernyavskiy, Oleksandr - Křížan, Jiří - Dvořák, Jiří - Rossmann, Pavel - Štěpánková, Renáta - Makovický, Peter - **Makovický, Pavol** - Kozáková, Hana - Vannucci, Luca : Immune activation by microbiome shapes the colon mucosa: Comparison between healthy rat mucosa under conventional and germ-free conditions.

In: Journal of immunotoxicology [print, electronic] . - ISSN 1547-691X. - Vol. 18, no. 1 (2021), p. 37-49.

Q2



Univerzita J. Selyeho

Bratislavská cesta 3322, P. O. Box 54 , 945 01 Komárno

Jelveh, K. - Rasouli, B. - Seidavi, Alireza - **Makovický, Pavol** - Hatzigiannakis, E. - Milis, Ch. : Effect of dilution of broiler chicken diet with cracked maize on performance and intestinal morphology.
In: Journal of Animal and Feed Sciences [print, electronic] : a scientific journal of the Polish Academy of Sciences. - ISSN 1230-1388. - Vol. 29, no. 3 (2020), p. 250-257.

Q3

Makovický, Pavol - Sirotkin, Alexander - Makovický, Peter : A Case of Intersexuality in a Pig: Histological View.

In: The International Journal of Applied Research in Veterinary Medicine [print] . - ISSN 1542-2666. - Vol. 18, no. 1 (2021), p. 6-10.

Q4

Sirotkin, Alexander - Bauer, Miroslav - Kadasi, Attila - **Makovický, Pavol** - Scsuková, Soňa : The toxic influence of silver and titanium dioxide nanoparticles on cultured ovarian granulosa cells.

In: Reproductive Biology [print, electronic] . - ISSN 1642-431X. - Vol. 21, no. 1 (2021), p. [1-6].

Q4

Makovický, Pavol - Juhász, Attila - Rimárová, Kvetoslava - Makovický, Peter : Histological Aspects of White Fatty Lesions in Dogs: Case Reports.

In: The International Journal of Applied Research in Veterinary Medicine [print] . - ISSN 1542-2666. - Vol. 18, no. 1 (2021), p. 41-46.

Q4

Bali, Krisztina - Bak, Mónika - Szarka, Katarína - Juhász, György - Sáfrán, György - Pécz, Béla - Mihály, Judith - **Mészáros, Róbert** : Controlling the morphology of poly(ethyleneimine)/gold nanoassemblies through the variation of pH and electrolyte additives.

In: Journal of Molecular Liquids [print, electronic] . - ISSN 0167-7322. - Vol. 322 (2021), p. [1-11].

Q1

Mišík, Ladislav - Sleziak, Martin - Tryba, Jacek : Convergent subseries of s I-convergent series.

In: LITHUANIAN MATHEMATICAL JOURNAL. - ISSN 0363-1672. - Vol. 61, no. 1 (2021), p. 56-59.

Q4

Liptai, Kálmán - Némethy, László - Soydan, Gokhan - **Szalay, László** : Resolution of the Equation $(3(x_1)-1)(3(x_2)-1) = (5(y_1)-1)(5(y_2)-1)$.

In: The Rocky Mountain Journal of Mathematics [print] . - ISSN 0035-7596. - Vol. 50, no. 4 (2020), p. 1425-1433.

Q3

Luca, Florian - Pethő, Attila - **Szalay, László** : Duplications in the k-generalized Fibonacci sequences.
In: NEW YORK JOURNAL OF MATHEMATICS. - ISSN 1076-9803. - Vol. 27 (2021), p. 1115-1133.

Q4

Luca, Florian - Pongsriam, Prapanpong - **Szalay, László** : On the divisibility $F_k \mid F_{x^2} + F_{x+1}$.
In: ScienceAsia. - ISSN 1513-1874. - Vol. 47, no. 1 (2021), p. 106-110.

Q4

Szénási, Sándor : Analysis of historical road accident data supporting autonomous vehicle control strategies.

In: PeerJ. Computer science [electronic] . - ISSN 2376-5992 (online). - online, art. no. e399 (2021), p. 24-25.

Q1



Univerzita J. Selyeho

Bratislavská cesta 3322, P. O. Box 54 , 945 01 Komárno

Kertész, Gábor - **Szénási, Sándor** - Vámosy, Zoltán : Comparative analysis of image projection-based descriptors in Siamese neural networks.

In: Advances in Engineering Software [print] . - ISSN 0965-9978. - Vol. 154 (2021), art. no. 102963, p. 2963-2963.

Q1

Bali, Krisztina - Bak, Mónika - **Szarka, Katarína** - Juhász, György - Sáfrán, György - Pécz, Béla - Mihály, Judith - Mészáros, Róbert : Controlling the morphology of poly(ethyleneimine)/gold nanoassemblies through the variation of pH and electrolyte additives.

In: Journal of Molecular Liquids [print, electronic] . - ISSN 0167-7322. - Vol. 322 (2021), p. [1-11].

Q1

Pinkas, Jiří - Horáček, Michal - Varga, Vojtěch - Mach, Karel - **Szarka, Katarína** - Vargová, Andrea - Gyepes, Róbert : Synthesis, structure and ethylene polymerisation activity of $\{\eta(5):eta(1)(N)-1-[(tert-butylamido)diphenylsilyl]-2,3,4,5-tetramethylcyclopentadienyl\}dichlorotitanium(IV)$.

In: Polyhedron [print] : The International Journal for Research in Inorganic Chemistry. - ISSN 0277-5387. - Vol. 188 (2020), p. 1-20.

Q2

Bukor, József - Filip, Ferdinánd - **Tóth, János** - Zsilinszky, László : On $l < q$ - and $l \leq q$ -convergence of arithmetic functions

In: Periodica Mathematica Hungarica [print] : journal of the János Bolyai Mathematical Society. - ISSN 0031-5303. - Vol. 82, no. 2 (2021), p. 125-135.

Q3

Tóth, Péter - Horváth, Kinga - Ambrus Attila Józsefné Kéri, Katalin : Development Level of Engineering Students' Inductive Thinking.

In: Acta Polytechnica Hungarica [print] : An international peer-reviewed scientific journal of Óbuda University, Hungarian Academy of Engineering and IEEE Hungary Section : journal of applied sciences. - ISSN 1785-8860. - Vol. 18, no. 5 (2021), p. 107-129.

Q3

Vajda, Barnabás : Detente and Emancipation: Hungary, the Soviet Bloc, and International Politics, 1944-1991.

In: Journal of cold war studies [print] . - ISSN 1520-3972. - Vol. 22, no. 4 (2020), p. 233-234.

Q4

Pinkas, Jiří - Horáček, Michal - Varga, Vojtěch - Mach, Karel - Szarka, Katarína - **Vargová, Andrea** - Gyepes, Róbert : Synthesis, structure and ethylene polymerisation activity of $\{\eta(5):eta(1)(N)-1-[(tert-butylamido)diphenylsilyl]-2,3,4,5-tetramethylcyclopentadienyl\}dichlorotitanium(IV)$.

In: Polyhedron [print] : The International Journal for Research in Inorganic Chemistry. - ISSN 0277-5387. - Vol. 188 (2020), p. 1-20.

Q2

Band, Shahab S. - Mohammadzadeh, Ardashir - Csiba, Peter - Mosavi, Amirhosein - **Várkonyiné Kóczy, Annamária** : Voltage Regulation for Photovoltaics-Battery-Fuel Systems Using Adaptive Group Method of Data Handling Neural Networks (GMDH-NN).

In: IEEE Access [electronic] : practical innovations, open solutions. - ISSN 2169-3536 (online). - online, vol. 8 (2020), p. 213748-213757.

Q1

Ardabili, Sina Faizollahzadeh - Mosavi, Amir - Ghamisi, Pedram - Filip, Ferdinánd - **Várkonyiné Kóczy, Annamária** - Reuter, Uwe - Rabczuk, Timon - Atkinson, Peter M. : COVID-19 Outbreak Prediction with Machine Learning.

In: Algorithms. - ISSN 1999-4893. - Vol. 13, no. 10 (2020), p. [1-36].

Q3



Univerzita J. Selyeho

Bratislavská cesta 3322, P. O. Box 54 , 945 01 Komárno

Khakian, Reza - Karimimoshaver, Mehrdad - Aram, Farshid - Benis Soghra, Zoroufchi - Mosavi, Amir - **Várkonyiné Kóczy, Annamária** : Modeling Nearly Zero Energy Buildings for Sustainable Development in Rural Areas.

In: Energies [electronic] : an open access journal of related scientific research, technology development, engineering, and the studies in policy and management. - ISSN 1996-1073 (online). - online, Vol. 13, no. 10 (2020), p. [1-19].

Q3