

# VEDECKO-PEDAGOGICKÝ ŽIVOTOPIS

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## Osobné údaje

Meno a priezvisko:

**prof. RNDr. János Tóth, PhD.**

Rok narodenia:

1962

## Dosiahnuté tituly, vzdelanie

- Mgr. 1986 Univerzita Komenského v Bratislave, Matematicko-fyzikálna fakulta, odbor Matematická analýza
- PhD. 1998 Univerzita Komenského v Bratislave, Matematicko-fyzikálna fakulta, odbor Algebra a teória čísel
- doc. 1998 Univerzita Konštantína Filozofa v Nitre, Fakulta prírodných vied, odbor Teória vyučovania matematiky
- RNDr. 1999 Univerzita Konštantína Filozofa v Nitre, Fakulta prírodných vied, odbor Matematika
- prof. 2018 Univerzita Komenského v Bratislave, Fakulta matematiky, fyziky a informatiky, odbor Matematika

## Pedagogická činnosť

### Zamestnania, pracovné pozície

- 1986 - 1989 – Gymnázium, Nové Zámky, učiteľ matematiky
- 1989 - 1998 – Univerzita Konštantína Filozofa v Nitre, Pedagogická fakulta, Katedra matematiky, Nitra, odborný asistent
- 1998 - 2001 – Univerzita Konštantína Filozofa v Nitre, Fakulta prírodných vied, Katedra matematiky, Nitra, docent
- 2001 - 2009 – Ostravská Univerzita, Prírodovedecká fakulta, Katedra matematiky, Ostrava, docent
- 2004 - 2009 – Univerzita J. Selyeho, Komárno, Pedagogická fakulta, Katedra matematiky, vš. učiteľ, vedúci katedry, mim. prof.
- 2009 - 2017 – Univerzita J. Selyeho, Komárno, rektor, mim. prof.
- 2017 - 2021 – Univerzita J. Selyeho, Komárno, prvý prorektor, prorektor pre rozvoj, mim. prof.
- 2018 - 2021 – Univerzita J. Selyeho, Komárno, prvý prorektor, prorektor pre rozvoj, riadny prof.
- 2021 - – Univerzita J. Selyeho, Komárno, prorektor pre rozvoj, riadny prof.

### Prehľad študijných programov, ktorých je garantom na UJS:

- ZOŠP – Zodpovedná osoba za študijný program Učiteľstvo matematiky – 1. a 2. stupeň vysokoškolského štúdia ( Bc. a Mgr.)
- ZOŠP – Zodpovedná osoba za študijný program Teória vyučovania matematiky a informatiky – 3. stupeň vysokoškolského štúdia ( PhD.)

## **Školiteľom doktorandského štúdia v študijnom odbore:**

Teória vyučovania matematiky – Univerzita Konštantína Filozofa, Nitra,  
Aplikovaná algebra – Ostravská Univerzita, Ostrava,  
Teória vyučovania matematiky a informatiky – Univerzita J. Selyeho, Komárno.

Dĺžka pedagogickej praxe (v rokoch): 36

## **Vedenie záverečných prác (počet prebiehajúcich/ počet ukončených):**

Bakalárske: 0/10      Diplomové: 0/56      Rigorózne: 0/13      Dizertačné: ¼

## **Absolventi doktorandského štúdia:**

- 1) RNDr. Attila Komzsík, PhD., téma práce; "Didaktika zavedenia a vyučovania postupností definovaných pomocou známych prímerov a iných postupností v matematickej príprave učiteľov", odbor Teória vyučovania matematiky, Univerzita Konštantína Filozofa, Nitra, Fakulta prírodných vied; rok obhajoby: 2005.
- 2) doc. RNDr. Ferdinand Filip, PhD., téma práce; "Blokové postupnosti a (R)-hustota", odbor Aplikovaná algebra, Ostravská univerzita, Ostrava, Prírodovedecká fakulta; rok obhajoby: 2006.
- 3) RNDr. Pavel Jahoda, PhD., téma práce; "Vyjádriteľnosť prirodzených čísel v niektorých špeciálnych tvarech a množiny nulových asymptotických hustot", odbor Aplikovaná algebra, Ostravská univerzita, Ostrava, Prírodovedecká fakulta; rok obhajoby: 2006.
- 4) Mgr. Monika Jahodová, rod. Pělučová, PhD., téma práce; "Asymptotická hustota průniku množin", odbor Aplikovaná algebra, Ostravská univerzita, Ostrava, Prírodovedecká fakulta, rok obhajoby: 2011.

Veľmi rád sa venuje mladým talentovaným matematikom. V rámci vedeckej aktivity študentov pod jeho vedením na Univerzite Konštantína Filozofa v Nitre získali 3 jeho študenti ocenenie. Pôsobil ako vedúci rigorózných prác 13 študentov. Viacerí bývalí študenti v súčasnosti pôsobia ako odborní asistenti a vedúci fakulty alebo katedier.

## **Prehľad pedagogickej činnosti:**

Na Katedre Matematiky Fakulty prírodných vied Univerzity Konštantína Filozofa, na Katedre Matematiky Prírodovedeckej fakulty Ostravskej Univerzity a na Katedre Matematiky Fakulty ekonómie a informatiky Univerzity J. Selyeho odučil v rámci prednášok a seminárnych hodín doteraz mnoho hodín.

## **Doteraz prednášané predmety:**

Matematická analýza 1. - 4., Lineárna algebra, Teória miery, Topológia, Komplexná analýza, Teória množín, Teoretická aritmetika, Teória čísel, Kryptografia a teória čísel, Funkcie

a postupnosti, Diskrétna matematika, Didaktika matematiky, Metrické priestory, Diferenciálne rovnice, Školská matematika vo svetle vyššej matematiky, Úvod do teórie čísel, Vybrané kapitoly z teórie čísel, Vedecký seminár pre doktorandov.

## **Prehľad vedeckovýskumnej a publikačnej činnosti:**

### **I. Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy**

Počet záznamov: 18 v nasledujúcej kategórii

ADC - Vedecké práce v zahraničných karentovaných časopisoch

V3 - Vedecký výstup publikačnej činnosti z časopisu

### **II. Ostatné recenzované publikácie**

Počet záznamov: 89 v nasledujúcich kategóriách

ADE - Vedecké práce v ostatných zahraničných časopisoch (23)

ADF - Vedecké práce v ostatných domácich časopisoch (6)

ADM - Vedecké práce v zahraničných časopisoch registrovaných od roku 2013 v databázach Web of Science alebo SCOPUS (11)

V databázach Web of Science a SCOPUS je evidovaných celkom 57 publikácií.

Databáza Orcid: <https://orcid.org/0000-0003-4768-4334> (62 publikácií)

Databáza Researchgate: <https://www.researchgate.net/profile/Janos-Toth-7> (69 publikácií)

Databázy American Mathematical Reviews a Zentralblatt für Mathematik evidujú 60 publikácií.

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

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (13)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (13)

AFD - Publikované príspevky na domácich vedeckých konferenciách (9)

AFH - Abstrakty príspevkov z domácich vedeckých konferencií (5)

BDE - Odborné práce v ostatných zahraničných časopisoch (1)

BDF - Odborné práce v ostatných domácich časopisoch (1)

BED - Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)

### **III. Knižné publikácie charakteru vedeckej monografie**

Počet záznamov: 1 v nasledujúcej kategórii

ABB - Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v domácich vydavateľstvách (1)

### **IV. Ostatné knižné publikácie**

Počet záznamov: 9 v nasledujúcich kategóriách

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (3)

BCI - Skriptá a učebné texty (2)

FAI - Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy...) (4)

## V. Ostatné - mimo kategórií

Počet záznamov: 3 v nasledujúcich kategóriách

DAI - Dizertačné a habilitačné práce (2)

EDJ - Prehľadové práce, odborné práce, preklady noriem; odborné preklady v časopisoch, zborníkoch (1)

**Spolu 120 publikácií, z toho počet vedeckých prác v časopisoch a vo vedeckých zborníkoch je 107.**

**Počet publikácií vo WoS je 50, vo WoS s IF je 25, z toho Q1 – 6, Q2 – 4, Q3 – 7, Q4 – 8. A okrem toho počet ďalších vedeckých prác v SCOPUS je 7.**

Hirsch index: 7.

### Štatistika ohlasov:

[1] Citácie v zahraničných publikáciách, registrované v citačných indexoch – 178

[2] Citácie v domácich publikáciách, registrované v citačných indexoch – 19

[3] Citácie v zahraničných publikáciách, neregistrované v citačných indexoch – 36

[4] Citácie v domácich publikáciách, neregistrované v citačných indexoch – 32

**Spolu: 265**

### Najvýznamnejšie publikované vedecké práce za posledných 5 rokov:

- 1) Mišík, L. – Tóth, J. T.: On partial limits of sequences, *Fuzzy Sets and Systems*, vol. 375, (2019), p. 179-190, DOI: 10.1016/j.fss.2019.01.013, WoS, IF: 3,305 (2019), QWoS=Q1.
- 2) Bukor, J. – Filip, F. – Tóth, J. T.: On properties derived from different types of asymptotic distribution functions of ratio sequences, *Publicationes mathematicae Debrecen*, vol. 95 (1-2), (2019), p. 219-230, DOI 10.5486/PMD.2019.8498, WoS, IF: 0,672 (2019), Q WoS=Q3.
- 3) Bukor, J. – Filip, F. – Tóth, J. T.: Sets with countably infinitely many prescribed weighted densities, *Rocky Mountain Journal of Mathematics*, vol. 50 (2), (2020), p. 467-477, DOI: 10.1216/rmj.2020.50.467, WoS, IF: 0,568 (2020), Q WoS=Q4.
- 4) Bukor, J. – Tóth, J. T.: On topological properties of the set of maldistributed sequences, *Acta Universitatis Sapientiae, Mathematica*, vol. 12 (2), (2020), p. 272-279, DOI: 10.2478/ausm-2020-0018, WoS, SCOPUS, SNIP: 0,627 (2020), Q SCOPUS=Q3.
- 5) Baláž, V. – Liptai, K. – Tóth, J. T. – Visnyai, T.: Convergence of positive series and ideal convergence, *Annales Mathematicae et Informaticae*, vol. 52, (2020), p. 19-30, DOI: 10.33039/ami.2020.05.005, WoS, SCOPUS, SNIP: 0,467 (2020), Q SCOPUS=Q4.
- 6) Tóth, J. T. – Filip, F. – Bukor, J. – Zsilinszky, L.: On  $I (< q)$  – and  $I (\leq q)$  – convergence of arithmetic functions, *Periodica Mathematica Hungarica*, vol. 82(2), (2021), p. 125-135, DOI: 10.1007/s10998-020-00345-y, WoS, IF: 0,672 (2021), Q WoS=Q3.
- 7) Mišík, L. – Tóth, J. T.: Ideal extensions of Olivier's theorem, *Real Analysis Exchange*, vol. 46 (1), (2021), p. 261-268, DOI: 10.14321/realanalexch.46.1.0261, WoS, SCOPUS, SNIP: 0,44 (2021), Q SCOPUS=Q4.

- 8) Tóth, J. T. – Bukor, J. – Filip, F. – Mišík, L.: On Ideals Defined by Asymptotic Distribution Functions of Ratio Block Sequences, *Filomat*, vol. 35 (12), (2021), p. 3945-3955, DOI: 10.2298/FIL2112945T, WoS, IF: 0,988 (2021), Q WoS= Q2.
- 9) Tóth, J. – Bukor, J. – Filip, F. – Šustek, J.: Comparing weighted densities, *Journal of Inequalities and Applications*, art. no. 146, (2022), p. 1-20, DOI: 10.1186/s13660-022-02885-y, WoS, IF: 1,6 (2022), Q WoS=Q1.
- 10) Miska, P. – Tóth, J.: Characteristics of Distributions of Sets and Their (R)- and (N)-Denseness, *Results in Mathematics*, vol. 78, art. no. 54, (2023), p. 1-33, DOI 10.1007/s00025-022-01830-1, WoS, IF: 2,2 (2022), Q WoS=Q1.

#### **Účasť na riešení (vedenie) najvýznamnejších vedeckých projektov:**

- vedúci riešiteľ grantu GA ČR 201/01/0471 za Ostravskú Univerzitu v rokoch 2001 – 2003,
- člen grantového tímu GA AV A1187101 za Ostravskú Univerzitu v rokoch 2001 – 2003,
- člen grantového tímu GA ČR 201/04/0381 za Ostravskú Univerzitu v rokoch 2004 – 2006,
- člen grantového tímu GA ČR 201/07/0199 za Ostravskú Univerzitu v rokoch 2007 – 2009,
- člen grantového tímu 2003-009-1 za Ostravskú Univerzitu v programe Barrande (dvojstranná Francúzsko-Česká vedecká spolupráca) v rokoch 2003 – 2004,
- člen výskumného zámeru VZ MSM 6198898701 na roky 2005 – 2010 v Českej republike,
- vedúci riešiteľ grantu KEGA 3/3080/05 za Univerzitu J. Selyeho v rokoch 2005 – 2007,
- vedúci riešiteľ grantu VEGA 1/4006/07 za Univerzitu J. Selyeho v rokoch 2007 – 2009,
- člen riešiteľského tímu KEGA 3/5277/07 za Univerzitu J. Selyeho v rokoch 2007 – 2009,
- vedúci riešiteľ grantu VEGA 1/0753/10 za Univerzitu J. Selyeho v rokoch 2010 – 2011,
- zodpovedný riešiteľ projektu APVV SK-HU-0009-08 v rokoch 2009 – 2010,
- člen riešiteľského tímu VEGA 1/0534/11 v rokoch 2011 – 2013,
- vedúci riešiteľ grantu VEGA 1/1022/12 za Univerzitu J. Selyeho v rokoch 2012 – 2014,
- člen riešiteľského tímu APVV SK-CZ-0075-11 v rokoch 2012 – 2013,
- člen riešiteľského tímu KEGA 017KU-4/2014 v rokoch 2014 – 2016,
- člen riešiteľského tímu KEGA 002UJS-4/2014 v rokoch 2014 – 2016,
- člen tímu výskumníkov pre Vedecko výskumný projekt ITMS2014+: 313011T504 v rokoch 2016-2019,
- člen riešiteľského tímu VEGA 1/0776/21 v rokoch 2021 – 2023,
- člen riešiteľského tímu VEGA 1/0386/21 v rokoch 2021 – 2023.

#### **Najvýznamnejšie uznania vedeckých výsledkov (pozvania, ...)**

Účasť na domácich a zahraničných prednáškových pobytoch:

- 14th Czech and Slovak International Conference on Number Theory - **Liptovský Ján** (1999),
- 40. výročie založenia Univerzity Konštantína Filozofa: medzinárodná vedecká konferencia - **Nitra** (2000),
- 22émes Journées Arithmétiques – Université de Lille, **Lille** (2001),
- Journées TSF : Combinatoire, Arithmétique et Informatique Théorique – Université Jean Monnet, **Saint-Étienne** (2002),
- University of Graz – Karl-Franzens-Universität **Graz** (2002),
- Francúzsko-Česká konferencia – **Saint-Étienne** (2002),
- Česko-Polská konferencia z teórie čísel – **Czieszyn** (2002),
- Seminár z teórie čísel – Technische Universität, **Graz** (2002),
- 23émes Journées Arithmétiques – **Graz** (2003),
- Workshop on density concept – Univerzita Komenského, **Bratislava** (2004),
- Vedecký seminár – Technische Universität, **Graz** (2004),
- Konferencia-Dni Maďarskej vedy – Eszterházy Károly Egyetem, **Eger** (2004),
- The 6th Polish, Slovak and Czech Conference on Number Theory – **Bedlewo** (2006),
- Vedecký seminár – Technische Universität, **Graz** (2006),
- Seminar on fuzzy relations – **Bratislava** (2006),
- Vedecký seminár – **Katowice** (2006),
- International Conference on Fuzzy Set Theory And Applications– **Liptovský Ján** (2006),
- International Conference on the Logic of Soft Computing – **Malaga** (2006),
- Rencontres Arithmetique et Combinatoire – **Saint-Étienne** (2006),
- Odborný seminár – **Eger** (2006),
- 18th Czech and Slovak Number theory conference – **Smolenice** (2007),
- Vedecký seminár – Technische Universität, **Graz** (2007),
- Vedecký seminár – Univerzita Mateja Bela, **Banská Bystrica** (2007),
- Rencontres Stéphanoises en Théorie Analytiques des Nombres – **Saint-Étienne** (2007),
- 28th Linz Seminar on Fuzzy Sets – Johannes Kepler Universität, **Linz** (2007),
- Česko-Slovenská konferencia – **Smolenice** (2007),
- Workshop on Densities – **Malenovice** (2007),
- 7th Polish, Slovak and Czech Conference on Number Theory – **Ostravice** (2008),
- International Colloquium on Uniform Distribution – CIRM Luminy, **Marseilles** (2008),
- 70 years of Faculty of Civil Engineering – Slovenská technická univerzita, **Bratislava** (2008),
- International Conference on Fuzzy Set Theory And Applications – **Liptovský Ján** (2008),
- Vedecký seminár – **Sopron** (2008),
- 19th Czech and Slovak International Conference on Number Theory – **Hradec nad Moravicí** (2009),
- 26émes Journées Arithmétiques – **Saint-Étienne** (2009),
- Vedecký seminár – **Debrecen** (2009),
- International Conference on Fuzzy Set Theory And Applications – **Liptovský Ján** (2010),

- Conference on Mathematics and Computer Science – **Komárno** (2010),
- 2nd Conference in Uniform Distribution Theory – **Strobl** (2010),
- Monte Carlo and Quasi Monte Carlo Conference – **Warszawa** (2010),
- 20th Czech and Slovak International Conference on Number Theory – **Stará Lesná** (2011),
- 3rd Uniform Distribution Theory – **Smolenice** (2012),
- 9th Joint Conference on Mathematics and computer Science – **Siófok** (2012),
- 21st Czech and Slovak International Conference on Number Theory – **Ostravice** (2013),
- 4th International Conference on Uniform Distribution Theory – **Ostravice** (2014),
- 22th Czech and Slovak International Conference on Number Theory – **Liptovský Ján** (2015),
- 5th International Conference on Uniform Distribution Theory – **Sopron** (2016),
- 23rd Czech and Slovak International Conference on Number Theory – **Ostravice** (2017),
- Vedecký seminár z teórie čísel – **Malenovice** (2017),
- 19. Konferencia košických matematikov – **Herľany** (2018),
- 24. Stredoeurópska konferencia z teórie čísel (Central European Number Theory Conference) – **Komárno** (2019),
- CINTI-MACRo 2019 IEEE Joint 19th International Symposium on Computational Intelligence and Informatics – **Szeged** (2019).

Od roku 2001 pravidelná aktívna vedecká spolupráca s Technische Universität Graz, s Université Jean Monnet Saint-Étienne, s Ostravskou univerzitou a s Eszterházy Károly Egyetem. Okrem toho aktívne vedecké kontakty s Debreceni Egyetem, s Eötvös Loránd Tudományegyetem Budapest, s Università di Pisa a s Óbudai Egyetem. Z domácich inštitúcií pravidelná vedecká spolupráca s Matematickým ústavom SAV a s Fakultou matematiky, fyziky a informatiky Univerzity Komenského.

Účasť na viacerých dlhodobých vedeckých a pracovných pobytoch v zahraničí: z toho na Eötvös Loránd Tudományegyetem Budapest (v roku 1998, 1 mesiac), na Debreceni Egyetem (v roku 2000, 6 týždňov), na Universität Augsburg (v roku 2002, 1 mesiac), na Technische Universität Graz (v roku 2004, 1 mesiac), na Université Jean Monnet Saint-Étienne (v roku 2006, 1 mesiac) a na The University of Liverpool (v roku 2007, 1 mesiac).

#### **Pozvaný prednášateľ na medzinárodných konferenciách a seminároch:**

- V rámci týchto spoluprác a prednáškových pobytov spolu 59 prednášok.
- V rokoch 2001 (v Lille) a 2003 (v Grazi) prednášky na Journées Arithmétique, ktorá je najväčšou konferenciou na svete z teórie čísel.
- Okrem toho v období 2000 - 2011 ďalších 12 prednášok na konferenciách z teórie čísel, reálnych funkcií, didaktiky matematiky a fuzzy matematiky.

### **Člen redakčnej rady vedeckých časopisov:**

- Uniform Distribution Theory – vydané spolu s BOKU Vienna a SAV Bratislava (od roku 2008),
- Acta Universitatis Sapientiae, Mathematica – Cluj-Napoca, Romania (od roku 2007),
- Acta Oeconomica Universitatis Selye – FEI UJS, Komárno (od roku 2012),
- Eruditio-Educatio – PF UJS, Komárno (od roku 2006 do 2016).

### **Člen vedeckých rád:**

- Prešovská univerzita v Prešove, Prešov (VR PU),
- Eszterházy Károly Catholic University, Eger, HU (VR EKCU),
- Univerzita J. Selyeho, Komárno (VR UJS),
- Univerzita J. Selyeho, Pedagogická fakulta, Komárno (VR PF UJS),
- Univerzita J. Selyeho, Fakulta ekonómie a informatiky, Komárno (VR FEI UJS).

Člen predsedníctva Rady vysokých škôl Slovenskej Republiky (RVŠ SR).

V roku 2010 bol jedným z hlavných organizátorov medzinárodnej konferencie 8th Joint Conference on Mathematics and Computer Science. V roku 2009, 2011, 2013, 2015 a 2017 spoluorganizátor konferencie Czech and Slovak International Conference on Number Theory. V roku 2012 spoluorganizátor letnej školy Matematickej Spoločnosti Jánosa Bolyaiho, ktorá sa konala v Komárne v blízkosti Univerzity J. Selyeho. V roku 2019 bol spoluorganizátor 24. StredoEurópskej konferencie z teórie čísel, ktorá sa konala na Univerzite J. Selyeho.

Recenzent pre 14 medzinárodných matematických časopisov, vrátane „domácich“ Acta Mathematica Universitatis Comenianae, Mathematica Slovaca, Czechoslovak Mathematical Journal, Tatra Mountains Mathematical Publications, Acta Mathematica Universitatis Ostraviensis, a „zahraničných“ Real Analysis Exchange, Publicationes Mathematicae Debrecen, Uniform Distribution Theory, Periodica Mathematica Hungarica, Annales Mathematicae et Informaticae, Acta Universitatis Sapientiae, Acta Arithmetica, The American Mathematical Monthly, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales Serie A. Metamáticas (RACSAM).

### **Ocenenia, vyznamenania, vedecké ceny:**

- Za rôznorodé výskumné a vzdelávacie činnosti, za uznanie pre dlhodobú spoluprácu s univerzitou Óbudai Egyetem v oblasti vzdelávania a vedeckovýskumnej činnosti, a za uznanie vynikajúcich odborných aktivít vynaložených v záujme univerzity, v roku 2012, udelené ocenenie „Honorary Professor“ od univerzity Óbudai Egyetem.
- V roku 2013 získané vedecké vyznamenanie, medaila Jánosa Aranya od Maďarskej Akadémie Vied, za nepretržité úsilie vzdelávania novej generácie vedcov maďarskej národnosti žijúcej na Slovensku, pre rozvoj kvality a ponuky Univerzity J. Selyeho, pre integráciu maďarského vysokoškolského vzdelávania na Slovensku, ako aj za odbornú aktivitu pre stále viac efektívnejšiu spoluprácu medzi vedcami strednej a východnej Európy, ktorá zároveň slúži záujmom regiónu a univerzitnej vedy.



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- V roku 2017 udelená strieborná medaila od Prešovskej Univerzity za dlhoročnú spoluprácu vo vedeckovýskumnej a vzdelávacej činnosti a významný prínos pre rozvoj Prešovskej Univerzity.
- V roku 2017 získané vzácne ocenenie „Pro Universitate“ od univerzity Óbudai Egyetem za dlhoročnú spoluprácu vo vedeckovýskumnej a vzdelávacej činnosti a prínos pre rozvoj univerzity Óbudai Egyetem.
- V roku 2019 udelený Rytierský kríž Rádu Maďarska od prezidenta Maďarska. Vysoké štátne vyznamenanie bolo udelené za zásluhy v oblasti riadenia činnosti Univerzity J. Selyeho, za pedagogické aktivity a podporu talentovanej mládeže.

## Zoznam publikácií a ohlasov:

### I. Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy

#### ADC - Vedecké práce v zahraničných karentovaných časopisoch (16)

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**AFC 010** Tumor, B. – Várkonyi-Kóczy, A. R. – Tóth, J. T.: A fuzzy data structure for variable length data missing value classification, *Advances in Intelligent Systems and Computing: Recent Advances in Technology Research and Education*, (2018), p. 297-304, DOI 10.1007/978-3-319-67459-9\_37, SCOPUS, SNIP: 0,453 (2018), Q SCOPUS=Q4.

**AFC 011** Tóth, J. T. – Tumor, B. – Várkonyi-Kóczy, A. R.: A fuzzy shape extraction method, *Studies in Fuzziness and Soft Computing*, vol. 361, (2018), p. 383-395, DOI 10.1007/978-3-319-75408-6\_29, WoS.

**AFC 012** Tóth, J. T. – Tumor, B.– Várkonyi-Kóczy, A. R.: Approximate Functional Dependency Mining with Sequential Indexing Tables, *IEEE Joint CINTI-MACRo 2019 : IEEE Joint 19th International Symposium on Computational Intelligence and Informatics and 7 th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics*, (2019), p. 119-124, DOI 10.1109/CINTI-MACRo49179.2019.9105179, WoS.

**AFC 013** Gubo, Š. – Kmet', T. – Tóth, J. T – Tumor, B.: Augmented Smart Refrigerator—An Intelligent Space Application, *Engineering for Sustainable Future : Selected papers of the 18. International Conference on Global Research and Education Inter -Academia*, (2020), p. 171-178, DOI 10.1007/978-3-030-36841-8\_17, WoS, SCOPUS, SNIP: 0,8 (2020), Q SCOPUS=Q4.

**AFD - Publikované príspevky na domácich vedeckých konferenciách (9)**

**AFD 001** Fulier, J. – Tóth, J. T.: Funkcia definovaná na množine všetkých metrík, *Acta Mathematica*, 4, Nitra (2000), p. 105-110 [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

**AFD 002** Tóth, J. T.: Najlepšie aproximácie v systéme Haara, *Acta Mathematica*, 4, Nitra (2000), p. 79-95. [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

**AFD 003** Komzsík, A. – Tóth, J. T.: O logaritmickej postupnosti, *Acta Mathematica*, 4, Nitra (2000), p. 155-167. [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

**AFD 004** Tóth, J. T. – Zsilinszky, L.: On a topology on the grid, *Acta Mathematica*, 4, Nitra (2000), p. 205-207. [40. Výročie založenia UKF v Nitre: medzinárodná vedecká konferencia. Nitra, 12. - 14.10.1999].

**AFD 005** Filip, F. – Tóth, J. T.: On estimations of dispersions of certain dense block sequences, *Tatra Mt. Math. Publ.*, vol. 31, (2005), p. 65-74. [Density Concept: Workshop. Bratislava, 16.18.5.2004], WoS.

**Ohlasy (6):**

2018 [1] Bukor, J. - Csiba, P.: Best bounds for dispersion of ratio block sequences for certain subsets of integers, *Annales mathematicae et informaticae*, vol. 49, (2018), p. 55-60, WoS.

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2007 [4] Grekos, G. - Strauch, O.: Distribution functions of ratio sequences, II., *Uniform Distribution Theory*, vol. 2, no. 1, (2007), p. 77.

**AFD 006** Bukor, J. – Tóth, J. T.: An algebraic proof of the Steiner-Lehmus theorem, *Zborník z I. medzinárodnej vedeckej konferencie Univerzity J.Selyeho - "Vzdelávanie – veda - spoločnosť"*. Komárno, (2009), p. 35-38. [I. medzinárodná vedecká konferencia Univerzity J. Selyeho v Komárne, 7. – 8. 9.2009] .

**AFD 007** Tóth, J. T.: Štúdium v materinskom jazyku.: Štúdium jazyka a v jazyku národnostných menšín v SR, *Univerzita v kontexte zmien: Zborník príspevkov z medzinárodnej vedeckej konferencie*. Prešov: Vydavateľstvo Prešovskej univerzity, (2014), p. 103-122.

**AFD 008** Várkonyi-Kóczy, A. R. – Tusor, B. – Tóth, J. T.: A fuzzy hypermatrix-based skin color filtering method, *INES 2015 - IEEE 19th International Conference on Intelligent Engineering Systems*, art. no. 7329701 (2015), p. 173-178, DOI 10.1109/INES.2015.7329701, WoS.

**Ohlasy (1):**

2019 [1] Ibarra, L. – Balderas, D. – Ponce, P. – Molina, A.: Fast execution of black-box algorithms through a piece-wise linear interpolation technique, *Arabian Journal for Science and Engineering*, vol. 44, no. 11, (2019), p. 9443-9453, WoS.

**AFD 009** Bukor, J. – Gubo, Š. – Kmet', T. – Tusor, B. – Tóth, J. T. – Végh, L.: Building a Smart Refrigerator Using Affordable Smart Devices, Zborník 11. medzinárodnej vedeckej konferencie Univerzity J. Selyeho 2019 = A Selye János Egyetem 2019-es 11. Nemzetközi Tudományos Konferenciájának tanulmánykötete - "Döntéstámogató rendszerek, matematika és informatika" szekció: Sekcia "Systemy na podporu rozhodovania, matematika a informatika", (2019), p. 43-50.

#### **AFH - Abstrakty príspevkov z domácich vedeckých konferencií (5)**

**AFH 001** Csiba, P. – Filip, F. – Tóth, J. T.: Convergence of sequences defined by means, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs'10, 2010, p. 21.

**AFH 002** Mišík, L. – Tóth, J. T.: Measures and distribution of sets of positive integers, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs'10, 2010, p. 9.

**AFH 003** Bukor, J. – Mišík, L. – Tóth, J. T.: On functions which preserve weighted density, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs'10, 2010, p. 20.

**AFH 004** Bukor, J. – Mišík, L. – Tóth, J. T.: On mapping preserving universal fuzzy Measurabilit., Abstracts of the Tenth International Conference on Fuzzy Set Theory and Applications, 2010, p. 41.

**AFH 005** Filip, F. – Bukor, J. – Tóth, J. T.: On weighted densities, Abstracts of the 8th Joint Conference on Mathematics and Computer Science MaCs'10, 2010, p. 22.

#### **BDE - Odborné práce v ostatných zahraničných časopisoch (1)**

**BDE 001** Tóth, J. T.: Egy számsorozat prímosztóiról (O prvočíselných deliteľoch členov istej postupnosti), Polygon, Szeged, vol. III (2), (1993), p. 78-80.

#### **BDF - Odborné práce v ostatných domácich časopisoch (1)**

**BDF 001** Porubský, Š. – Baláž, V. – Mišík, L. – Tóth, J. T.: Septuagenarian Oto Strauch, Uniform Distribution Theory, vol. 9 (1), (2014).

#### **BED - Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)**

**BED 001** Tóth, J. T.: O Gaussových binomických koeficientoch, Matematické obzory, vol. 39, (1993), p. 75-79.

**BED 002** Balázs, L. – Tóth, J. T.: Zovšeobecnenie jednej úlohy MO, Matematické obzory, vol. 39, (1993), p. 3-7.

### **III. Knižné publikácie charakteru vedeckej monografie**

## **ABB - Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v domácich vydavateľstvách (1)**

**ABB 001** Tóth, J. T.: Teória R-hustých množín a jej aplikácie v školskej matematike, Prepracované vydanie, Eruditio – education, vol. 1 (3), 2006, p. 31-94.

## **IV. Ostatné knižné publikácie**

### **ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (3)**

**ACB 001** László, B. – Tóth, J. T.: Bevezetés a számelméletbe (Úvod do teórie čísel), Liliium Aurum, 1999, 93.

**ACB 002** Bukor, J. – Csiba, P. – Filip, F. – Jaruska, L. – Tóth, J. T.: Függvények nemcsak felvételizőknek. 1. vyd. Komárno: Selye János Egyetem, 2012, 162.

**ACB 003** Árki, Z. – Csiba, P. – Fehér, Z. – Tóth, J. T.: Összefoglaló feladatgyűjtemény matematikából nemcsak felvételizőknek (Súhrnná zbirka úloh z matematiky nielen pre uchádzačov), 2012, 140.

### **BCI - Skriptá a učebné texty (2)**

**BCI 001** László, B. – Bálint, L. – Kmeť, M. – Tóth, J. T. – Oláh, Gy: A matematika alapjai az alsótagozatos tanító szakos hallgatók részére (Základy matematiky pre študentov elementárnej pedagogiky), Univerzita Konštantína Filozofa v Nitre, Nitra, 2001.

**BCI 002** László, B. – Bukor, J. – Tóth, J. T.: Polinomok, egyenletek, egyenletrendszerek (Polynómy, rovnice a sústavy rovníc), Univerzita Konštantína Filozofa v Nitre, Nitra, 2000.

### **FAI - Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy...) (4)**

**FAI 001** Csiba, P. – Juhász, Gy. – Tóth, J. – Zakar, P.: A Selye János Egyetem Évkönyve 2014/2015: Ročenka Univerzity J. Selyeho 2014/2015, 1. vyd. Komárno: Univerzita J. Selyeho, (2015), 128.

**FAI 002** Csiba, P. – Juhász, Gy. – Tóth, J. – Zakar, P.: A Selye János Egyetem Évkönyve 2015/2016: Ročenka Univerzity J. Selyeho 2015/2016, 1. vyd. Komárno: Univerzita J. Selyeho, (2016), 151.

**FAI 003** Bukor, J. – Juhász, Gy. – Liszka, J. – Tóth, J. – Zakar, P.: A Selye János Egyetem Évkönyve 2016/2017: Ročenka Univerzity J. Selyeho 2016/2017, 1. vyd. Komárno: Univerzita J. Selyeho, (2017), 168.

**FAI 004** Zakar, P. - Juhász, Gy. - Tóth, J. - Bukor, J. - Liszka, J.: Ročenka Univerzity J. Selyeho 2017/2018 A Selye János Egyetem Évkönyve 2017/2018, 1. vyd. Komárno: Selye János Egyetem, (2018), 204.

## **V. Ostatné - mimo kategórií**

### **DAI - Dizertačné a habilitačné práce (2)**

**DAI 001** Tóth, J. T.: Teória (R) – hustých množín a jej aplikácie v školskej matematike, Nitra, 1997, Habilitačná práca (Docent, Doc.) – UKF, Nitra, 1997, 71.

**DAI 002** Tóth, J. T. – Strauch, O.: Husto rozložené podielové postupnosti, Bratislava, 1997, Doktorandská dizertačná práca (PhD.) - Univerzita Komenského, Bratislava, 1997, 93.

#### **Ohlasy (1):**

2005 [3] Strauch, O. - Porubský, Š.: Distribution of sequences: a sampler, Frankfurt am Main: Peter Lang, 2005, p. 5 - 55.

### **EDJ - Prehľadové práce, odborné práce, preklady noriem; odborné preklady v časopisoch, zborníkoch (1)**

**EDJ 001** Fulier, J. – Tóth, J. T.: Niekoľko poznámok o rozvoji tvorivosti vo vyučovaní matematiky v príprave budúceho učiteľa na I. stupni ZŠ, Zborník Pedagogickej konferencie IV., Univerzita Konštantína Filozofa v Nitre (1999), p. 152-158. [Pedagogická konferencia 1999: vedecká konferencia s medzinárodnou účasťou. 4, Nitra, 21.10.1999].

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