

Lista de lucrări

NUMELE ȘI PRENUMELE: Szász Róbert

I. LISTA PUBLICAȚIILOR RELEVANTE

1. **Róbert Szász**, Kupán Pál Aurel, The Exact Order of Starlikeness of Uniformly Convex Functions, *Computers and Mathematics with applications* 62(2011) p.173-186
2. Pál Aurel Kupán, **Róbert Szász**, A Sharp inequality concerning Gamma function, *Integral Transform and Special functions* 24/6, (2013), 502-508.
3. Pál Aurel Kupán, **Róbert Szász**, Monotonicity theorems and inequalities for the Gamma function, *Mathematical Inequalities & Applications*, Vol. 17(2014), No. 1, pp. 149-189.
4. Baricz Árpád, Pál Aurel Kupán, **Róbert Szász**, The radius of starlikeness of normalized Bessel Functions, *Proceedings of The Amer. Math. Soc.* Vol. 142(2014), No. 6, pp. 2019-2025
5. Baricz Árpád, **Róbert Szász**, The radius of convexity of normalized Bessel functions of the first kind, *Analysis and Applications* Vol.12, No.5, (2014) pp.485-509.
6. Pál Aurel Kupán, **Róbert Szász**, Monotonicity results and a sharp upper bound for the Gamma function, *Integral Transform and Special functions* Vol 25, 7(2014), pp. 562-570.
7. **Róbert Szász**, Geometric properties of the functions Γ and $1/\Gamma$, *Mathematische Nachrichten*, 288 (1) 2015, pp.115-120
8. Á. Baricz, D. J. Masirevic, T. K. Pogány, **R. Szász**, On an identity for zeros of Bessel functions; *Journal of Mathematical Analysis and Applications*, 422(1)2015,pp. 27-36
9. **R. Szász**, About the radius of starlikeness of Bessel functions of the first kind; *Monatshefte für Mathematik*, 176(2), 2015, pp. 323-33
10. Baricz Árpád, **Róbert Szász**, The radius of convexity of normalized Bessel functions, *Analysis Mathematica*, 41(2015), –DOI: 10.1007/s10476-015-

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Tehnici de convexitate, convoluții și subordonări diferențiale în analiza complexă.
Conducator Științific: dr. Prof. Petru T. Mocanu, Membru Corespondent al Academiei Române. Lucrarea a fost realizată la Universitatea Babeș-Bolyai.
Calificativul: Magna Cum Laude

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

B2. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. *Rezultate din Teoria Geometrică a Funcțiilor* Editura Didactică și Pedagogică, București, 2009 ISBN 9789733026440

B3. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

1. *Komplex Függvénytan (Teoria Funcțiilor)*, Editura Scientia, Cluj-Napoca, 2007 ISBN:978-973-7953-84-1

B4. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

B5. Capitole de cărți publicate în străinătate

B6. Capitole de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. **Róbert Szász**, Albert László Róbert, About a Condition for Starlikeness, *Journal of Mathematical Analysis and Applications* 335(2007), pp. 1328-1334. Impact factor: 1.120
2. **Róbert Szász**, The Sharp Version of a Criterion for Starlikeness Related to the Operator of Alexander, *Annales Polonici Mathematici*, 94.1 (2008), pp.1-14. Impact factor: 0.476
3. **Róbert Szász**, Kupán Pál Aurel. The Exact Order of Starlikeness of Uniformly Convex Functions, *Computers and Mathematics with applications* 62(2011) p.173-186. Impact factor: 2.069
4. **Róbert Szász**, Kupán Pál Aurel, Imre Attila. Improvement of a Criterion for Starlikeness. *Rocky Mountain Journal of Mathematics*, Vol.42, Nr.2, 2012, 759-772. Impact factor: 0.491
5. Pál Aurel Kupán, **Róbert Szász**, A Sharp inequality concerning Gamma function, *Integral Transform and Special functions* 24/6, (2013), 502-508. Impact factor: 0.814
6. Pál Aurel Kupán, **Róbert Szász**, Monotonicity theorems and inequalities for the Gamma function, *Mathematical Inequalities & Applications*, Vol. 17(2014), No. 1, pp. 149-189. Impact factor: 0.645
7. Baricz Árpád, Pál Aurel Kupán, **Róbert Szász**, The radius of starlikeness of normalized Bessel Functions, *Proceedings of The Amer. Math. Soc.* Vol. 142(2014), No. 6, pp. 2019-2025. Impact factor: 0.681
8. Baricz Árpád, **Róbert Szász**, The radius of convexity of normalized Bessel functions of the first kind, *Analysis and Applications* Vol.12, No.5, (2014) pp.485-509. Impact factor: 1.5
9. Pál Aurel Kupán, **Róbert Szász**, Monotonicity results and a sharp upper bound for the Gamma function, *Integral Transform and Special functions* Vol 25, 7(2014), pp. 562-570. Impact factor: 0.814
10. **Róbert Szász**, About the starlikeness of Bessel functions, , *Integral Transform and Special functions*, Vol. 25, Issue 9, Issue 9 (2014)pp. 750-755. Impact factor: 0.814
11. **Róbert Szász**, Geometric properties of the functions Γ and $1/\Gamma$, *Mathematische Nachrichten*, 288 (1) 2015, pp.115-120. Impact factor: 0.683
12. Á. Baricz, D. J. Masirevic, T. K. Pogány, **Róbert Szász**, On an identity

- for zeros of Bessel functions; *Journal of Mathematical Analysis and Applications*, 422(1)2015, pp. 27-36. Impact factor: 1.120
13. **Róbert Szász**, About the radius of starlikeness of Bessel functions of the first kind; *Monatshefte für Mathematik*, 176(2), 2015, pp. 323-33. Impact factor: 0.698
 14. Baricz Árpád, **Róbert Szász**, The radius of convexity of normalized Bessel functions, *Analysis Mathematica*, 41(2015), –DOI: 10.1007/s10476-015. Impact factor: 0.351
 15. Baricz Árpád, **Róbert Szász**, Close-to-convexity of Some Special Functions and their Derivatives, *Bulletin of the Malaysian Mathematical Science Society*, 39(2016), pp.427-437, DOI 10.1007/s40840-015-0180-7. Impact factor: 0.854
 16. Baricz Árpád, Halit Orhan, **Róbert Szász**, The Radius of α -Convexity of Normalized Bessel Functions of the First Kind, , 16(2016) No.1. p. 93–103. Impact factor 0.5
 17. Erhan Deniz, **Róbert Szász**, The Radius of Uniform Convexity of Bessel Functions , *Journal of Mathematical Analysis and Applications*, Vol.453, Issue 1, (2017) p. 572–588. Impact factor 1.064.
 18. Caglar Murat, Deaniz Erhan, **Szász Róbert** Radii of α -convexity of some normalized Bessel functions of the first kind, *Results Math.* 72(2017), no 4, 2023–2035.
 19. Baricz Árpád; Szakál, Anikó; **Szász Róbert**; Yagmur Nihat; Radii of starlikeness and convexity of a product and cross-product of Bessel functions. , *Results Math.* 73(2018), no 2, Art. 62, 34 pp.
 20. Selvakumaran, Kuppathai Appasamy; **Szász Róbert**; Certain geometric properties of an integral operator involving Bessel functions. *Kyungpook Math.Journal.* 58(2018), no. 3, 507-5017.30C45
 21. **Róbert Szász**, On Brannan’s Conjecture, *Mediterr. J. Math.*17, 38 (2020),
 22. Erhan Deniz, Murat Chaglar, **Róbert Szász**, The final step in a proof of Brannan’s conjecture for $\beta=1$, *Journal of Mathematical Analysis and Applications*, Vol. 487, Issue2, July2020
 23. **Róbert Szász**, Luminița Ioana Cotîrlă, New Results about Radius of convexity and Uniform convexity of Bessel functions, *Axioms* 2022,11, 380
 24. **Róbert Szász**, Luminița Ioana Cotîrlă, On Sendov’s Conjecture, *Filomath*, 37:16 (2023), 5283-5286
 25. **Róbert Szász**, Luminița Ioana Cotîrlă, The Monotony of the Lommel Functions, *Results Math.* (2023) 78:127
 26. **Róbert Szász**, Luminița Ioana Cotîrlă, On the Monotony of Bessel Functions of the First Kind, *Comput. Methods Funct. Theory* (2023).
 27. Erhan Deniz, **Róbert Szász**
On The Monotony of Struve Functions
Complex Analysis and Operator Theory Vol.18,No.120, (2024)
 28. **Róbert Szász**, Luminița Ioana Cotîrlă,
On the general case of Brannan conjecture.
Journal of Mathematical Inequalities,
 Volume 18, Number 3 (2024), 953–969

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale

1. **Róbert Szász**, Aurel Pál Kupán, *About the Univalence of Bessel Functions* Studia Univ. Babes-Bolyai, Vol LIV, Number 1, March 2009, pp. 127-132
2. **Róbert Szász**, *About a differential inequality*, Acta Univ. Sapientiae, Mathematica, 1, 1(2009) pp. 87-93.
3. **Róbert Szász**, *On starlikenes of Bessel functions of the first kind*, Proceedings of the joint conference on mathematics and computer science, MACS 2010, Komarno, Slovakia, July 14-17, p.63-70.
4. **Róbert Szász**, *Improvement of a Condition for Starlikeness*, Mathematica Pannonica, 20/1. (2009) pp.69-77
5. **Róbert Szász**, Pál Aurél Kupán, *Geometric properties of a particular function*, Mathematica (Cluj), 51 (74), No 2, 2009, pp. 173-180
6. Pál Aurel Kupán, **Róbert Szász**, *Alexander Transform of Close-to-convex Functions*, Studia Univ. Babeş-Bolyai Mathematica, Volume:LV, Number: 2, June, 2010.
7. Pál Aurel Kupán, **Róbert Szász**, *About Bounds for the Elliptic Integral of the first kind* Revue d'Analyse Numerique et de Theorie de l' Approximation, Vol.41, No. 2, 2012
8. Pál Aurel Kupán, **Róbert Szász**, *About a Condition for starlikeness* Annales Univ. Sci. Budapest., Sect. Comp. 37(2012), pp. 261-274
16. Kupán Pál A., **Róbert Szász**, *A remark regarding a starlikeness condition.* Appl. Math. Sci. (Ruse) (7) 2013, no. 53-56, pp. 2759-2767. 30C45
17. **Róbert Szász**, *Improvement of a result due to P. T. Mocanu*, Studia Univ. Babeş-Bolyai Math., Vol.59(2014), No.1, pp. 37-40
18. Engel Olga, **Róbert Szász**, *On a subclass of convex functions*, Stud. Univ. Babeş-Bolyai Math. Vol. 61(2016), No. 2, p. 137-146
19. Márton Gyöngyvér; Pál Aurel Kupán, **Róbert Szász** *A result regarding monotonicity of the gamma function.* Acta Univ. Sapientiae, Mathematica, 9(2017), no. 2, 291–302.

C6. Lucrări științifice publicate în volumele manifestărilor științifice

R. Szász, *On starlikeness of Bessel functions of the first kind*, 8-th Joint Conference on Mathematics and Computer Science—MaCS 2010, p.63-70