

Concurs pentru ocuparea postului poz. 34 , de Asistent universitar
 Departamentul de Matematici Aplicate, Facultatea de Cibernetică, Statistică și Informatica Economică
 Disciplinele: *Matematici aplicate în finanțe, Matematica aplicată în economie (limba engleză),
 Matematici aplicate în economie, Matematica*
 Domeniul *Matematica*,
 post publicat în Monitorul Oficial al României nr. 782 din 24.11.2020

Data.....

LISTA DE LUCRĂRI

Candidat: MITROI-SYMEONIDIS I. Flavia-Corina - **Dr./** din 20.02.2013,
 (NUME, inițială și prenume) (anul) (Titlul
 didactic/echiv.)

1. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări din prezenta listă de lucrări:

- 1) **Flavia-Corina Mitroi-Symeonidis**, Ion Anghel, Nicușor Minculete, *Parametric Jensen-Shannon statistical complexity and its applications on full-scale compartment fire data*, Symmetry-Basel (Special Issue: Symmetry in Applied Mathematics), 12(1) (2020), 22.
 DOI:10.3390/sym12010022. ISSN 2073-8994
 Impact Factor **2,645**, $s_i=0,838$, PN-III-P1-1.1-PRECISI-2020-44822 (zona galbena)
<https://www.mdpi.com/2073-8994/12/1/22>
- 2) **Flavia-Corina Mitroi-Symeonidis**, Nicușor Minculete, Marek Niezgod, *Estimates on the gap in Bullen's inequality*, Math. Inequal. Appl., 22 (4) (2019), 1493-1503.
 DOI: 10.7153/mia-2019-22-104. ISSN: 1331-4343
 Impact Factor **1,510**, $s_i=0,577$, PN-III-P1-1.1-PRECISI-2019-40117 (zona roșie)
<http://mia.ele-math.com/22-104/Estimates-on-the-gap-in-Bullen-s-inequality>
- 3) Hamid Reza Moradi, Shigeru Furuichi, **Flavia-Corina Mitroi-Symeonidis** and Razieh Naseri, *An extension of Jensen's operator inequality and its application to Young inequality*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Math. RACSAM, Serie A. Matemáticas, 113 (2) (2019), 605-614.
 DOI: 10.1007/s13398-018-0499-7. ISSN: 1578-7303
 Impact Factor **1,406**, $s_i=0,757$, PN-III-P1-1.1-PRECISI-2019-36889 (zona galbena)
<https://link.springer.com/article/10.1007/s13398-018-0499-7>
- 4) **Flavia-Corina Mitroi-Symeonidis**, Nicușor Minculete, *On the Jensen functional and strong convexity*, Bull. Malays. Math. Sci. Soc., 41 (1) (2018), 311-319.
 DOI:10.1007/s40840-015-0293-z. ISSN: 0126-6705
 Impact Factor **0,856**, $s_i=0,473$, PN-III-P1-1.1-PRECISI-2018-23817
<https://link.springer.com/article/10.1007/s40840-015-0293-z>
- 5) **Flavia-Corina Mitroi-Symeonidis**, Nicușor Minculete, *On the Jensen functional and superquadraticity*, Aequat. Math., 90(4) (2016), 705-718.
 DOI:10.1007/s00010-015-0389-4. ISSN: 0001-9054
 Impact Factor **0,851**, $s_i=0,735$
<http://link.springer.com/article/10.1007%2Fs00010-015-0389-4>
- 6) **Flavia-Corina Mitroi-Symeonidis**, Daniel Alexandru Ion, *Kantorovich problems under Young type constraints*, Math. Inequal. Appl., 19 (1) (2016), 369-379.
 DOI:10.7153/mia-19-28 ISSN: 1331-4343
 Impact Factor **1,510**, $s_i=0,577$
<http://mia.ele-math.com/19-28/Kantorovich-problems-under-Young-type-constraints>
- 7) Marcela Mihai, **Flavia-Corina Mitroi-Symeonidis**, *New extensions of Popoviciu's inequality*, Mediterr. J. Math., 13 (5) (2016), 3121-3133.
 DOI:10.1007/s00009-015-0675-3. ISSN:1660-5446
 Impact Factor **1,216**, $s_i=0,666$
<http://link.springer.com/article/10.1007%2Fs00009-015-0675-3>

- 8) Shigeru Furuichi, **Flavia-Corina Mitroi-Symeonidis**, Eleutherius Symeonidis, *On some properties of Tsallis hypoentropies and hypodivergences*, Entropy, 16 (10) (2014), 5377-5399.
DOI:10.3390/e16105377. ISSN: 1099-4300
Impact Factor **2,494**, $s_1=1,541$, PN-II-RU-PRECISI-2015-9-8941
<http://www.mdpi.com/1099-4300/16/10/5377>
- 9) Shigeru Furuichi, **Flavia-Corina Mitroi**, *Mathematical inequalities for some divergences*, Physica A: Statistical Mechanics and its Applications, 391 (2012), 388-400.
DOI:10.1016/j.physa.2011.07.052. ISSN: 0378-4371
Impact Factor **2,924**, $s_1=1,288$
<http://www.sciencedirect.com/science/article/pii/S0378437111006017>
- 10) **Flavia-Corina Mitroi**, Eleutherius Symeonidis, *The converse of the Hermite-Hadamard inequality on simplices*, Expo. Math. 30 (2012), 389-396.
DOI:10.1016/j.exmath.2012.08.011; ISSN: 0723-0869
Impact Factor **0,880**, $s_1=1,395$
<http://www.sciencedirect.com/science/article/pii/S0723086912000527>

2 Teza de doctorat

T1. Convexity results obtained through the optimal mass transport theory, **Universitatea din Craiova, 2013**
Coordonator prof. univ. dr. Constantin P. Niculescu.

3 Cărți/cursuri publicate în edituri recunoscute (Ca1, Ca2 etc.), îndrumare publicate (I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuții la dezvoltarea activităților didactice/profesionale.

1

Ca1. ...

Ca2. ...

etc.

I1. ...

I2. ...

etc.

4 Cărți de specialitate publicate în edituri recunoscute (Cb1, Cb2 etc.), **articole/studii** publicate in extenso în reviste de specialitate de circulație internațională recunoscute (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului) (Ri1, Ri2 etc.), **articole/studii in extenso** publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN/ ISBN) (Vi1, Vi2 etc.), precum și **alte lucrări similare**: articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCISIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări științifice naționale (cu ISSN/ISBN) (Vn1, Vn2 etc.), lucrări prezentate la diferite seminarii/expoziții, inovații etc. (E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea domeniului.

Ri1. **Flavia-Corina Mitroi-Symeonidis**, Ion Anghel, Octavian Lalu, Constantin Popa, *The permutation entropy and its applications on fire tests data*, J. Appl. Comput. Mech., 6(SI) (2020), 1380-1393.

DOI: 10.22055/jacm.2020.34707.2464. E-ISSN: 2383-4536

https://jacm.scu.ac.ir/article_15738.html

Ri2. **Flavia-Corina Mitroi-Symeonidis**, Ion Anghel, Nicușor Minculete, *Parametric Jensen-Shannon statistical complexity and its applications on full-scale compartment fire data*, Symmetry-Basel (Special Issue: Symmetry in Applied Mathematics), 12(1) (2020), 22.

DOI:10.3390/sym12010022. ISSN 2073-8994

Impact Factor **2.645**

<https://www.mdpi.com/2073-8994/12/1/22>

Ri3. **Flavia-Corina Mitroi-Symeonidis**, Nicușor Minculete, Marek Niezgod, *Estimates on the gap in Bullen's inequality*, Math. Inequal. Appl., 22 (4) (2019), 1493-1503.

DOI: 10.7153/mia-2019-22-104. ISSN: 1331-4343

Impact Factor **1.510**

<http://mia.ele-math.com/22-104/Estimates-on-the-gap-in-Bullen-s-inequality>

Ri4. Hamid Reza Moradi, Shigeru Furuichi, **Flavia-Corina Mitroi-Symeonidis** and Razieh Naseri, *An extension of Jensen's operator inequality and its application to Young inequality*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Math. RACSAM, Serie A. Matemáticas, 113 (2) (2019), 605-614.

DOI: 10.1007/s13398-018-0499-7. ISSN: 1578-7303

Impact Factor **1.406**

<https://link.springer.com/article/10.1007/s13398-018-0499-7>

Ri5. Flavia-Corina Mitroi-Symeonidis, Ion Anghel, Shigeru Furuichi, *Encodings for the calculation of the permutation hypoentropy and their applications on full-scale compartment fire data*, Acta Technica Napocensis, Vol. 62, IV (2019), 607-616.

ISSN: 1221- 5872

<https://atna-mam.utcluj.ro/index.php/Acta/article/view/1248>

Ri6. Flavia-Corina Mitroi-Symeonidis, Nicușor Minculete, *On the Jensen functional and strong convexity*, Bull. Malays. Math. Sci. Soc., 41 (1) (2018), 311-319.

DOI:10.1007/s40840-015-0293-z. ISSN: 0126-6705

Impact Factor **0.856**

<https://link.springer.com/article/10.1007/s40840-015-0293-z>

Ri7. Flavia-Corina Mitroi-Symeonidis, *On the Jensen functional and superterzaticity*, J. King Saud Univ. Sci., 30 (4) (2018), 549-551.

DOI:10.1016/j.jksus.2017.05.010. ISSN: 1018-3647

Impact Factor **3.819**

<https://www.sciencedirect.com/science/article/pii/S1018364717302902>

Ri8. Flavia-Corina Mitroi-Symeonidis, Nicușor Minculete, *On the Jensen functional and superquadraticity*, Aequat. Math., 90(4) (2016), 705-718.

DOI:10.1007/s00010-015-0389-4. ISSN: 0001-9054

Impact Factor **0.851**

<http://link.springer.com/article/10.1007%2Fs00010-015-0389-4>

Ri9. Flavia-Corina Mitroi-Symeonidis, Daniel Alexandru Ion, *Kantorovich problems under Young type constraints*, Math. Inequal. Appl., 19 (1) (2016), 369-379.

DOI:10.7153/mia-19-28 ISSN: 1331-4343

Impact Factor **1.510**

<http://mia.ele-math.com/19-28/Kantorovich-problems-under-Young-type-constraints>

Ri10. Marcela Mihai, Flavia-Corina Mitroi-Symeonidis, *New extensions of Popoviciu's inequality*, Mediterr. J. Math., 13 (5) (2016), 3121-3133.

DOI:10.1007/s00009-015-0675-3. ISSN:1660-5446

Impact Factor **1.216**

<http://link.springer.com/article/10.1007%2Fs00009-015-0675-3>

Ri11. Flavia-Corina Mitroi-Symeonidis, *A sandwich theorem for convex set-valued functions*, An. Univ. Oradea fasc. mat., 23 (1) (2016), 77-79.

ISSN: 1221-1265.

<http://arhiva-stiinte.uoradea.ro/en/auofm/auofm2016/MitroiSymeonidis.pdf>

Ri12. Shigeru Furuichi, Flavia-Corina Mitroi-Symeonidis, Eleutherius Symeonidis, *On some properties of Tsallis hypoentropies and hypodivergences*, Entropy, 16 (10) (2014), 5377-5399.

DOI:10.3390/e16105377. ISSN: 1099-4300

Impact Factor **2.494**

<http://www.mdpi.com/1099-4300/16/10/5377>

Ri13. Marcela Mihai, Flavia-Corina Mitroi, *Hermite-Hadamard type inequalities obtained via Riemann-Liouville fractional calculus*, Acta Math. Univ. Comenianae, 83 (2) (2014), 209-215.

ISSN: 0862-9544.

<https://www.emis.de/journals/AMUC/ inpress/ mitroi/mitroi.html>

Ri14. Flavia-Corina Mitroi, Daniel Alexandru Ion, *Structural results on convexity relative to cost functions*, Aequat. Math., 85 (1) (2013), 119-130.

DOI: 10.1007/s00010-012-0129-y. ISSN: 0001-9054

Impact Factor **0.851**

<http://link.springer.com/article/10.1007/s00010-012-0129-y>

Ri15. Flavia-Corina Mitroi, Cătălin Irinel Spiridon, *Refinements of Hermite-Hadamard inequality on simplices*, Math. Rep., 15(65), 1 (2013), 69-78.

ISSN: 1582-3067

Impact Factor **0.441**

http://www.csm.ro/reviste/Mathematical_Reports/Pdfs/2013/1/Mrc13_1.pdf

Ri16. Flavia-Corina Mitroi, Nicușor Minculete, *Mathematical inequalities for biparametric extended information measures*, J. Math. Inequal. 7 (1) (2013), 63-71.

DOI: 10.7153/jmi-07-06; ISSN: 1846-579X

Impact Factor **1.219**

<http://jmi.ele-math.com/07-06/Mathematical-inequalities-for-biparametric-extended-information-measures>

Ri17. Flavia-Corina Mitroi, Kazimierz Nikodem, Szymon Waşowicz, *Hermite-Hadamard inequalities for convex set-valued functions*, Demonstratio Mathematica, 46 (4) (2013), 655-662.

ISSN: 0420-1213.

<https://www.degruyter.com/view/journals/dema/46/4/article-p655.xml>

Ri18. Shigeru Furuichi, Flavia-Corina Mitroi, *Mathematical inequalities for some divergences*, Physica A: Statistical Mechanics and its Applications, 391 (2012), 388-400.

DOI:10.1016/j.physa.2011.07.052. ISSN: 0378-4371

Impact Factor **2.924**

<http://www.sciencedirect.com/science/article/pii/S0378437111006017>

Ri19. Flavia-Corina Mitroi, Eleutherius Symeonidis, *The converse of the Hermite-Hadamard inequality on simplices*, Expo. Math., 30 (2012), 389-396.

DOI:10.1016/j.exmath.2012.08.011. ISSN: 0723-0869

Impact Factor **0.880**

<http://www.sciencedirect.com/science/article/pii/S0723086912000527>

Ri20. Shigeru Furuichi, Nicușor Minculete, Flavia-Corina Mitroi, *Some inequalities on generalized entropies*, J. Inequal. Appl., (2012), Art.226.

DOI: 10.1186/1029-242X-2012-226. ISSN: 1029-242X

Impact Factor **1.470**

<http://journalofinequalitiesandapplications.springeropen.com/articles/10.1186/1029-242X-2012-226>

Ri21. Flavia-Corina Mitroi, Cătălin-Irinel Spiridon, *Hermite-Hadamard type inequalities of convex functions with respect to a pair of quasi-arithmetic means*, Math. Rep., 14(64) (2012), 291-295.

ISSN: 1582-3067

Impact Factor **0.441**

http://imar.ro/journals/Mathematical_Reports/Pdfs/2012/3/Mrc12_3.pdf

Ri22. Nicușor Minculete, Flavia-Corina Mitroi, *Fejér type inequalities*, Austral. J. Math. Anal. Appl., 9 (1) (2012), Art.12, 1-8.

ISSN: 1449-5910.

<https://ajmaa.org/cgi-bin/paper.pl?string=v9n1/V9I1P12.tex>

Ri23. Flavia-Corina Mitroi, *Estimating the normalized Jensen functional*, J. Math. Inequal, 5 (4) (2011), 507-521.

ISSN: 1846 -579X

Impact Factor **1.219**

<http://jmi.ele-math.com/05-44/Estimating-the-normalized-Jensen-functional>

Ri24. Flavia-Corina Mitroi, Constantin P. Niculescu, *An extension of Young's inequality*, Hindawi Publishing Corporation, Abstr. Appl. Anal., (2011), Art. ID 162049, 18 p.

DOI:10.1155/2011/162049. ISSN: 1085-3375.

Impact Factor 2013: **1.274**

<https://www.hindawi.com/journals/aaa/2011/162049/>

Ri25. Flavia-Corina Mitroi, *Young's Inequality Revisited*, Acta Univ. Apulensis Math. Inform., 26 (2011), 237-244.

ISSN: 1582-5329.

<http://auajournal.uab.ro/index.php?pagina=pg&id=25&l=en>

Ri26. Flavia-Corina Mitroi, *On the Jensen-Steffensen inequality and superquadraticity*, An. Univ. Oradea fasc. mat., 18 (2011), 269-275.

ISSN: 1221-1265.

http://arhiva-stiinte.uoradea.ro/en/auofm/auofm_contents.htm

Ri27. Flavia-Corina Mitroi, Cătălin Irinel Spiridon, A Hermite-Hadamard type inequality for multiplicatively convex functions, An. Univ. Craiova Ser. Mat. Inform., 38 (1) (2011), 96-99.
ISSN: 1223-6934.
<http://inf.ucv.ro/~ami/index.php/ami/article/view/393>

Ri28. Flavia-Corina Mitroi, About the precision in Jensen-Steffensen inequality, An. Univ. Craiova Ser. Mat. Inform., 37 (4) (2010), 73-84.
ISSN: 1223-6934.
<http://inf.ucv.ro/~ami/index.php/ami/article/view/367>

Ri29. Flavia -Corina Minuță (Mitroi), Point convexity, An. Univ. Craiova Ser. Mat. Inform., 37 (2) (2010), 100-105.
ISSN: 1223-6934.
<http://inf.ucv.ro/~ami/index.php/ami/article/view/328>

Vi1. Adrian Beteringhe, Flavia-Corina Mitroi-Symeonidis, Molecular Docking Technique for selection of some naproxen derivatives as inhibitors of cyclooxygenase 2 (COX-2); ECAI 2015 - International Conference – 7th Edition Electronics, Computers and Artificial Intelligence (2015), pp BB-13 - BB-16.
DOI: 10.1109/ECAI.2015.7301240
<https://ieeexplore.ieee.org/document/7301240>

Vi2. Flavia-Corina Mitroi, On the Jensen-Steffensen inequality for convex functions, Proceedings of the International Student Conference on Pure and Applied Mathematics, pp. 125-136, Editura Universității „Alexandru Ioan Cuza” Iași, 2011.
ISBN: 978-973-703-602-5
<https://www.math.uaic.ro/~ghiba/lucrari/ISCOPAM-Carja-Ghiba.pdf>

Vi3. Flavia-Corina Mitroi, Connection between the Jensen and the Chebychev functionals. In: Bandle, C. et al.(eds.), Inequalities and Applications 2010, Internat. Ser. Numer. Math., vol. 161 (2012), Birkhäuser, Basel, 217-227.
DOI:10.1007/978-3-0348-0249-9_17. ISBN: 978-3-0348-0248-2
https://link.springer.com/chapter/10.1007/978-3-0348-0249-9_17

Alte materiale publicate:

Articol publicat in jurnal de specialitate neindexat BDI, cu numeroase citări in reviste cu factor de impact:

Flavia-Corina Mitroi-Symeonidis, Convexity and sandwich theorems, European Journal of Research in Applied Sciences (EJRAS), 1 (2015), 9-11.
ISSN: 2457-4139. <https://arxiv.org/abs/1507.01074>
<https://titanwolf.org/Network/Articles/Article?AID=a94799a2-f7c4-4d2a-8f0f-315ab35f61f1#gsc.tab=0>
(<https://portal.issn.org/resource/ISSN-L/2457-4139>)

Răspuns electronic de specialitate *matematica* (analiza datelor), apărut într-una dintre cele mai vechi și prestigioase reviste din domeniul *medical* (Factor de impact: **30.223** (2019), SRI: **27,943**(2019)):

Flavia-Corina Mitroi-Symeonidis, Ion Anghel, I., Arturo Tozzi, Preventing a COVID-19 pandemic flashover (electronic response to: Day M. 2020. Covid-19: identifying and isolating asymptomatic people helped eliminate virus in Italian village. BMJ 2020;368:m1165), 2020.
<https://www.bmj.com/content/368/bmj.m1165/rr>

5. Citări ale lucrărilor publicate: referința bibliografică a lucrării citate(Ci1, Ci2) și referința / ele bibliografică / e a / ale lucrării care citează (Ci1.1, Ci1.2..., Ci2.1, Ci2.2, etc.)

Lista conține doar citările cu $s_i > 0,5$.

Ci1. Hamid Reza Moradi, Shigeru Furuichi, Flavia-Corina Mitroi-Symeonidis and Razieh Naseri, An extension of Jensen's operator inequality and its application to Young inequality, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Math. RACSAM, Serie A. Matemáticas, 113 (2) (2019), 605-614. DOI: 10.1007/s13398-018-0499-7. ISSN: 1578-7303

Ci1.1 Elahe Jaafari, Mohammad Sadegh Asgari, Mohsen Shah Hosseini, Baharak Moosavi, *On the Jensen's inequality and its variants. AIMS Mathematics, 5(2) (2020), 1177-1185.*
DOI: 10.3934/math.2020081. ISSN: 2473-6988

<https://www.aimspress.com/article/10.3934/math.2020081/>

Ci2. Flavia-Corina Mitroi-Symeonidis, Nicușor Minculete, On the Jensen functional and strong convexity, Bull. Malays. Math. Sci. Soc., 41 (1) (2018), 311-319. DOI:10.1007/s40840-015-0293-z. ISSN: 0126-6705

Ci2.1 Paweł A. Kluza, *On Jensen-Rényi and Jeffreys-Rényi type f -divergences induced by convex functions*, Physica A: Statistical Mechanics and its Applications, 548 (2020), 122527.

DOI:10.1016/j.physa.2019.122527. ISSN: 0378-4371

<https://www.sciencedirect.com/science/article/abs/pii/S0378437119314475>

Ci2.2 Paweł A. Kluza, Marek Niezgoda, *On Csiszár and Tsallis type f -divergences induced by superquadratic and convex functions*, Math. Inequal. Appl, 21 (2) (2018), 455-467.

DOI:10.7153/mia-2018-21-31. ISSN: 1331-4343

<http://mia.ele-math.com/21-31/On-Csiszar-and-Tsallis-type-f-divergences-induced-by-superquadratic-and-convex-functions>

Ci2.3 H.R. Moradi, M.E. Omidvar, M.A. Khan, K. Nikodem, *Around Jensen's inequality for strongly convex functions*, Aequat. Math., 92 (1) (2018), 25-37.

DOI: 10.1007/s00010-017-0496-5. ISSN: 0001-9054

<https://link.springer.com/article/10.1007/s00010-017-0496-5>

Ci2.4 Paweł Kluza, Marek Niezgoda, *Generalizations of Crooks and Lin's results on Jeffreys-Csiszár and Jensen-Csiszár f -divergences*, Physica A: Statistical Mechanics and its Applications, 463 (2016), 383-393.

DOI:10.1016/j.physa.2016.07.062. ISSN: 0378-4371

<http://www.sciencedirect.com/science/article/pii/S0378437116304939>

Ci3. Flavia-Corina Mitroi-Symeonidis, Nicușor Minculete, On the Jensen functional and superquadraticity, Aequat. Math., 90(4) (2016), 705-718. DOI:10.1007/s00010-015-0389-4. ISSN: 0001-9054

Ci3.1 Paweł A. Kluza, Marek Niezgoda, *On Csiszár and Tsallis type f -divergences induced by superquadratic and convex functions*, Mathematical Inequalities and Applications, 21 (2) (2018), 455-467.

DOI:10.7153/mia-2018-21-31. ISSN: 1331-4343

<http://mia.ele-math.com/21-31/On-Csiszar-and-Tsallis-type-f-divergences-induced-by-superquadratic-and-convex-functions>

Ci3.2 Paweł Kluza, Marek Niezgoda, *Generalizations of Crooks and Lin's results on Jeffreys-Csiszár and Jensen-Csiszár f -divergences*, Physica A: Statistical Mechanics and its Applications, 463 (2016), 383-393.

DOI:10.1016/j.physa.2016.07.062. ISSN: 0378-4371

<http://www.sciencedirect.com/science/article/pii/S0378437116304939>

Ci4. Flavia-Corina Mitroi-Symeonidis, A sandwich theorem for convex set-valued functions, An. Univ. Oradea fasc. mat., 23 (1) (2016), 77-79. ISSN: 1221-1265.

Ci4.1 Shaikh, A. A., Agarwal, R. P., Mondal, C. K., *Geodesic sandwich theorem with an application*, Mathematical Inequalities and Applications, 23 (1) (2020), 161-167.

DOI: 10.7153/mia-2020-23-13. ISSN: 1331-4343

<http://mia.ele-math.com/23-13/Geodesic-sandwich-theorem-with-an-application>

Ci5. Flavia-Corina Mitroi-Symeonidis, Convexity and sandwich theorems, European Journal of Research in Applied Sciences (EJRAS), 1 (2015), pp. 9-11. ISSN: 2457-4139

Ci5.1 Arturo Tozzi, James F. Peters, Ottorino Ori, *Cracking the barcode of fullerene-like cortical microcolumns*, Neuroscience Letters, 644 (2017), 100-106.

DOI: 10.1016/j.neulet.2017.02.064. ISSN: 0304-3940

<https://www.sciencedirect.com/science/article/abs/pii/S0304394017301805>

Ci5.2 Arturo Tozzi, James F. Peters, *From abstract topology to real thermodynamic brain activity*, Cognitive Neurodynamics, 11 (3) (2017), 283-292.

DOI: 10.1007/s11571-017-9431-7. ISSN: 1871-4080

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5430247/>

Ci5.3 Arturo Tozzi, James F. Peters, Andrew A. Fingelkurts, Alexander A. Fingelkurts, Pedro C. Marijuán, *Topodynamics of metastable brains*, Physics of Life Reviews, 1 (2017), 1-20.

DOI: 10.1016/j.plev.2017.03.001. ISSN: 1571-0645

<https://www.sciencedirect.com/science/article/abs/pii/S1571064517300520>

Ci5.4 Arturo Tozzi, James F. Peters, *The common features of different brain activities*, Neuroscience Letters, 692 (2019), 41-46.

DOI: 10.1016/j.neulet.2018.10.054. ISSN: 0304-3940

<https://www.sciencedirect.com/science/article/abs/pii/S0304394018307365>

Ci5.5 Arturo Tozzi, James F. Peters, *A topological approach unveils system invariances and broken symmetries in the brain*, Journal of Neuroscience Research, 94 (5) (2016), 351-365.
DOI: 10.1002/jnr.23720. ISSN: 0360-4012
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jnr.23720>

Ci5.6 Arturo Tozzi, James F. Peters, Sheela Ramanna, *Brain tissue tessellation shows absence of canonical microcircuits*, Neuroscience Letters, 626 (2016), 99-105.
DOI: 10.1016/j.neulet.2016.03.052. ISSN: 0304-3940
<https://www.sciencedirect.com/science/article/abs/pii/S0304394016301999>

Ci6. Shigeru Furuichi, **Flavia-Corina Mitroi-Symeonidis**, Eleutherius Symeonidis, *On some properties of Tsallis hypoentropies and hypodivergences*, Entropy, 16 (10) (2014), 5377-5399. DOI:10.3390/e16105377. ISSN: 1099-4300

Ci6.1 Sámuel G. Balogh, Gergely Palla, Péter Pollner, Dániel Czégel, *Generalized entropies, density of states, and non-extensivity*. Scientific Reports, 10, 15516 (2020).
DOI:10.1038/s41598-020-72422-8. ISSN: 2045-2322
<https://www.nature.com/articles/s41598-020-72422-8>

Ci6.2 Gábor Bíró, Gergely Gábor Barnaföldi, Tamás Sándor Biró, Ádám Takács, *Systematic analysis of the non-extensive statistical approach in high energy particle collisions-experiment vs. theory*, Entropy, 19 (3) (2017), Art. 88.
DOI:10.3390/e19030088. ISSN: 1099-4300
<https://www.mdpi.com/1099-4300/19/3/88>

Ci6.3 Vijay P. Singh, Bellie Sivakumar and Huijuan Cui, *Tsallis entropy theory for modeling in water engineering: a review*, Entropy, 19 (12) (2017), Art. 641.
DOI:10.3390/e19120641. ISSN: 1099-4300
<https://www.mdpi.com/1099-4300/19/12/641>

Ci6.4 Abdiel Ramírez-Reyes, Alejandro Raúl Hernández-Montoya, Gerardo Herrera-Corral, Ismael Domínguez-Jiménez, *Determining the entropic index q of Tsallis entropy in images through redundancy*, Entropy, 18 (8) (2016), Art. 299.
DOI:10.3390/e18080299. ISSN: 1099-4300
<https://www.mdpi.com/1099-4300/18/8/299>

Ci7. Marcela Mihai, **Flavia-Corina Mitroi**, *Hermite-Hadamard type inequalities obtained via Riemann-Liouville fractional calculus*, Acta Math. Univ. Comenianae, 83 (2) (2014), 209-215. ISSN: 0862-9544.

Ci7.1 Chunyan Luo, Bo Yu, Yao Zhang, Tingsong Du, *Certain bounds related to multi-parameterized k -fractional integral inequalities and their applications*, IEEE Access, 7 (2019), 124662-124673.
DOI: 10.1109/ACCESS.2019.2938341. ISSN: 2169-3536
<https://ieeexplore.ieee.org/document/8819931>

Ci8. **Flavia-Corina Mitroi**, Cătălin Irinel Spiridon, *Refinements of Hermite-Hadamard inequality on simplices*, Math. Rep., 15(65), 1 (2013), 69-78. ISSN: 1582-3067

Ci8.1 Allal Guessab, Boris Semisalov, *A multivariate version of Hammer's inequality and its consequences in numerical integration*, Results Math, 73,(1) (2018), UNSP 33.
DOI: 10.1007/s00025-018-0788-7. ISSN: 1422-6383
<https://link.springer.com/article/10.1007/s00025-018-0788-7>

Ci8.2 M. Nowicka, A. Witkowski, *A refinement of the right-hand side of Hermite-Hadamard inequality for simplices*, Aequat. Math., 91 (1) (2017), 121-128.
DOI:10.1007/s00010-016-0433-z. ISSN: 0001-9054
<https://link.springer.com/article/10.1007/s00010-016-0433-z>

Ci8.3 M. Raissouli, S. S. Dragomir, *Refining recursively the Hermite-Hadamard inequality on a simplex*, Bull. Aust. Math. Soc., 92 (1) (2015), 57-67.
DOI: 10.1017/S0004972715000258. ISSN: 0004-9727
<https://www.cambridge.org/core/journals/bulletin-of-the-australian-mathematical-society/article/refining-recursively-the-hermitehadamard-inequality-on-a-simplex/213D203ED2A6847FD12A686D3D6A4469>

Ci9. **Flavia-Corina Mitroi**, Kazimierz Nikodem, Szymon Waśowicz, *Hermite-Hadamard inequalities for convex set-valued functions*, Demonstratio Mathematica, 46 (4) (2013), 655-662. ISSN: 0420-1213.

Ci9.1 Zhao, Dafang, Muhammad Aamir Ali, Ghulam Murtaza, Zhiyue Zhang, *On the Hermite-Hadamard inequalities for interval-valued coordinated convex functions*, Advances in Difference Equations, 570 (2020), 14p.
DOI: 10.1186/s13662-020-03028-7. ISSN: 1687-1847
<https://advancesindifferenceequations.springeropen.com/articles/10.1186/s13662-020-03028-7>

Ci9.2 Kara, Hasan; Ali, Muhammad Aamir; Budak, Huseyin, *Hermite-Hadamard-type inequalities for interval-valued coordinated convex functions involving generalized fractional integrals*, Mathematical Methods In The Applied Sciences, **2020**.

DOI: 10.1002/mma.6712. ISSN: 0170-4214

<https://onlinelibrary.wiley.com/doi/full/10.1002/mma.6712>

Ci9.3 Nwaeze, E.R., Khan, M.A., Chu, Y., *Fractional inclusions of the Hermite-Hadamard type for m-polynomial convex interval-valued functions*, Advances in Difference Equations, 507 (**2020**).

DOI:10.1186/s13662-020-02977-3. ISSN: 1687-1847

<https://advancesindifferenceequations.springeropen.com/articles/10.1186/s13662-020-02977-3>

Ci9.4 Dafang Zhao, Tianqing An, Guoju Ye and Delfim F. M. Torres, *On Hermite-Hadamard type inequalities for harmonical h-convex interval-valued functions*, Mathematical Inequalities and Applications, 23 (1) (**2020**), 95-105.

DOI: 10.7153/mia-2020-23-08. ISSN: 1331-4343

<http://mia.ele-math.com/23-08/On-Hermite-Hadamard-type-inequalities-for-harmonical-h-convex-interval-valued-functions>

Ci9.5 Budak, Huseyin; Tunc, Tuba; Sarikaya, Mehmet Zeki, *Fractional Hermite-Hadamard-type inequalities for interval-valued functions*, Proceedings of the American Mathematical Society 148(2) (**2020**), 705-718.

DOI: 10.1090/proc/14741. ISSN: 0002-9939

<https://www.ams.org/journals/proc/2020-148-02/S0002-9939-2019-14741-9/>

Ci10. Shigeru Furuichi, **Flavia-Corina Mitroi**, *Mathematical inequalities for some divergences*, Physica A: Statistical Mechanics and its Applications, 391 (**2012**), 388-400. DOI:10.1016/j.physa.2011.07.052. ISSN: 0378-4371

Ci10.1 Paweł A. Kluza, *On Jensen-Rényi and Jeffreys-Rényi type f-divergences induced by convex functions*, Physica A: Statistical Mechanics and its Applications, 548 (**2020**), 1225-1227.

DOI:10.1016/j.physa.2019.122527. ISSN: 0378-4371

<https://www.sciencedirect.com/science/article/abs/pii/S0378437119314475>

Ci10.2 Jahanshahi, S. M. A., H. Zarei, and A. H. Khammar. *On Cumulative Residual Entropy*. Probability in the Engineering and Informational Sciences, 34 (4) (**2020**), 605 - 625.

DOI:10.1017/S0269964819000196. ISSN: 0269-9648

<https://www.cambridge.org/core/journals/probability-in-the-engineering-and-informational-sciences/article/on-cumulative-residual-entropy/B24ED7EAB5E9442EC7F9750F8A502BB2>

Ci10.3 M. Khouzani, Pasquale Malacaria, *Generalized Entropies and Metric-Invariant Optimal Countermeasures for Information Leakage Under Symmetric Constraints*, IEEE Transactions on information theory, 65 (2) (**2019**), 888-901.

DOI: 10.1109/TIT.2018.2883705. ISSN: 0018-9448

<https://ieeexplore.ieee.org/document/8550766>

Ci10.4 Marek Niezgoda, *Equality cases of inequalities involving generalized Csiszar and Tsallis type f-divergences*, Mathematical Inequalities and Applications, 22 (1) (**2019**), 297-306.

DOI: 10.7153/mia-2019-22-23. ISSN: 1331-4343

<http://mia.ele-math.com/22-23/Equality-cases-of-inequalities-involving-generalized-Csiszar-and-Tsallis-type-f-divergences>

Ci10.5 Guoxin Qiu, Kai Jia, *The residual entropy of order statistics*, Statistics & Probability Letters, 133 (**2018**), 15-22.

DOI: 10.1016/j.spl.2017.09.014. ISSN: 0167-7152

<https://www.sciencedirect.com/science/article/abs/pii/S0167715217303085>

Ci10.6 Guoxin Qiu, Kai Jia, *Entropy estimators with applications in testing uniformity*, Journal of Nonparametric Statistics, 30 (1) (**2018**), 182-196.

DOI: 10.1080/10485252.2017.1404063. ISSN: 1048-5252

<https://www.tandfonline.com/doi/abs/10.1080/10485252.2017.1404063>

Ci10.7 Paweł Kluza, Marek Niezgoda, *Generalizations of Crooks and Lin's results on Jeffreys-Csiszar and Jensen-Csiszar f-divergences*, Physica A: Statistical Mechanics and its Applications, 463 (**2016**), 383-393.

DOI:10.1016/j.physa.2016.07.062. ISSN: 0378-4371

<https://www.sciencedirect.com/science/article/abs/pii/S0378437116304939>

Ci10.8 R.C. Sftetu, *Tsallis and Rényi divergences of generalized Jacobi polynomials*, Physica A: Statistical Mechanics and its Applications, 460 (**2016**), 131-138.

DOI:10.1016/j.physa.2016.04.017. ISSN: 0378-4371

<https://www.sciencedirect.com/science/article/abs/pii/S037843711630139X>

Ci10.9 Frank Lad, Giuseppe Sanfilippo, Gianna Agro, *Entropy: complementary dual of entropy*, Statistical Science, 30 (1) (**2015**), 40-58.

DOI: 10.1214/14-STS430. ISSN: 0883-4237

<https://projecteuclid.org/euclid.ss/1425492439>

Ci10.10 P.G. Popescu, V. Preda, E.I. Slușanschi, *Bounds for Jeffreys-Tsallis and Jensen-Shannon-Tsallis divergences*, Physica A: Statistical Mechanics and its Applications, 413 (**2014**), 280-283.

DOI:10.1016/j.physa.2014.06.073. ISSN: 0378-4371

<https://www.sciencedirect.com/science/article/abs/pii/S0378437114005548>

Ci11. Flavia-Corina Mitroi, Eleutherius Symeonidis, *The converse of the Hermite-Hadamard inequality on simplices*, Expo. Math. 30 (2012), 389-396. DOI:10.1016/j.exmath.2012.08.011; ISSN: 0723-0869

Ci11.1 Mustapha Raïssouli, Rabie Zine, *Refining and reversing the Hermite-Hadamard inequality for the Fenchel conjugate*, Ann. Funct. Anal., 10 (3) (2019), 357-369.
DOI: 10.1215/20088752-2018-0035. ISSN: 2008-8752
<https://projecteuclid.org/euclid.afa/1565078421>

Ci11.2 M. Raïssouli, S. S. Dragomir, *Refining recursively the Hermite-Hadamard inequality on a simplex*, Bull. Aust. Math. Soc., 92 (1) (2015), 57-67.
DOI: 10.1017/S0004972715000258. ISSN: 0004-9727
<https://www.cambridge.org/core/journals/bulletin-of-the-australian-mathematical-society/article/refining-recursively-the-hermitehadamard-inequality-on-a-simplex/213D203ED2A6847FD12A686D3D6A4469>

Ci12. Shigeru Furuichi, Nicușor Minculete, **Flavia-Corina Mitroi**, *Some inequalities on generalized entropies*, J. Inequal. Appl., 2012, Art.226. DOI: 10.1186/1029-242X-2012-226. ISSN: 1029-242X

Ci12.1 Chang-Jian Zhao, *Reverse L_p -dual Minkowski's inequality*, Differential Geometry and its Applications, 40 (2015), 243-251.
DOI: 10.1016/j.difgeo.2015.03.002. ISSN: 0926-2245
<https://www.sciencedirect.com/science/article/pii/S0926224515000467>

Ci12.2 A. Besenyei and D. Petz, *Partial subadditivity of entropies*, Linear Algebra and its Applications 439 (2013), 3297-3305.
DOI: 10.1016/j.laa.2013.03.035. ISSN: 0024-3795
<https://www.sciencedirect.com/science/article/pii/S0024379513002437>

Ci13. Flavia-Corina Mitroi, Cătălin-Irinel Spiridon, *Hermite-Hadamard type inequalities of convex functions with respect to a pair of quasi-arithmetic means*, Math. Rep., 14(64) (2012), 291-295. ISSN: 1582-3067

Ci13.1 C.P. Niculescu, *The Hermite-Hadamard inequality for log-convex functions*, Nonlinear Analysis: Theory, Methods & Applications, 75 (2012), 662-669.
DOI:10.1016/j.na.2011.08.066. ISSN: 0362-546X
<https://www.sciencedirect.com/science/article/abs/pii/S0362546X11006286>

Ci14. Nicușor Minculete, **Flavia-Corina Mitroi**, *Fejér type inequalities*, Austral. J. Math. Anal. Appl., 9 (1) (2012), Art.12, 1-8. ISSN: 1449-5910.

Ci14.1 Marek Niezgodą, *An extension of Levin-Stečkin's theorem to uniformly convex and superquadratic functions*, Aequat. Math., 94 (2) (2020), 303-321.
DOI:10.1007/s00010-019-00675-4. ISSN 1420-8903
<https://link.springer.com/article/10.1007/s00010-019-00675-4>

Ci14.2 Marek Niezgodą, *Fejér and Hermite-Hadamard type results for H -invex functions with applications*, Positivity, 23 (3) (2019), 531-543.
DOI: 10.1007/s11117-018-0623-0. ISSN: 1385-1292
<https://link.springer.com/article/10.1007/s11117-018-0623-0>

Ci14.3 Marek Niezgodą, *Inequalities for convex sequences and nondecreasing convex functions*, Aequat. Math., 91 (1) (2017), 1-20.
DOI: 10.1007/s00010-016-0444-9. ISSN: 0001-9054
<https://link.springer.com/article/10.1007/s00010-016-0444-9>

Ci14.4 Mehmet Kunt, İmdat İşcan, Nazlı Yazıcı and Uğur Gözütok, *On new inequalities of Hermite-Hadamard-Fejér type for harmonically convex functions via fractional integrals*, SpringerPlus, 5 (2016), Art.635.
DOI: 10.1186/s40064-016-2215-4. ISSN: 2193-1801
<https://springerplus.springeropen.com/articles/10.1186/s40064-016-2215-4>

Ci15. Flavia-Corina Mitroi, *Estimating the normalized Jensen functional*, J. Math. Inequal, 5 (4) (2011), 507-521. ISSN: 1846-579X

Ci15.1 H.R. Moradi, M.E. Omidvar, M.A. Khan, K. Nikodem, *Around Jensen's inequality for strongly convex functions*, Aequat. Math., 92 (1) (2018), 25-37.
DOI: 10.1007/s00010-017-0496-5. ISSN: 0001-9054
<https://link.springer.com/article/10.1007/s00010-017-0496-5>

Ci16. Flavia-Corina Mitroi, Constantin P. Niculescu, *An extension of Young's inequality*, Hindawi Publishing Corporation, Abstr. Appl. Anal., (2011), Art. ID 162049, 18 p. DOI:10.1155/2011/162049. ISSN: 1085-3375.

Ci16.1 Y. Tsuzuki, *Pricing Bounds on Quanto Options*, Journal of Derivatives, 23 (2) (2015), 53-61.

DOI: 10.3905/jod.2015.23.2.053. ISSN: 1074-1240
<https://jod.pm-research.com/content/23/2/53>

Ci17. Flavia-Corina Mitroi, *About the precision in Jensen-Steffensen inequality*, An. Univ. Craiova Ser. Mat. Inform., 37 (4) (2010), 73-84. ISSN: 1223-6934.

Ci17.1 I. H. Gümüř, H. R. Moradi and M. Sababheh, *Further subadditive matrix inequalities*, Mathematical Inequalities and Applications, 23(3) (2020), 1127-1134.

DOI: 10.7153/mia-2020-23-86. ISSN: 1331-4343
<http://mia.ele-math.com/23-86/Further-subadditive-matrix-inequalities>

Ci17.2 Sababheh Mohammed, Hamid Reza Moradi, and Zahra Heydarbeygi, *New inequalities for the generalized Karcher mean*, Linear Algebra and its Applications, 580 (2019), 184-199.

DOI: 10.1016/j.laa.2019.06.023. ISSN: 0024-3795
<https://www.sciencedirect.com/science/article/abs/pii/S0024379519302757>

Ci17.3 Sababheh, M., Moradi, H.R., Furuichi, S., *Operator inequalities via geometric convexity*, Mathematical Inequalities and Applications, 22(4) (2019), 1215-1231.

DOI: 10.7153/mia-2019-22-83. ISSN: 1331-4343
<http://mia.ele-math.com/22-83/Operator-inequalities-via-geometric-convexity>

Ci17.4 Mohammad Sababheh, *Improved Jensen's Inequality*, Mathematical Inequalities and Applications, 20 (2) (2017), 389-403.

DOI: 10.7153/mia-20-27. ISSN: 1848-9966
<http://mia.ele-math.com/20-27/Improved-Jensen-s-inequality>

Ci17.5 M. Sababheh, *Graph indices via the AM-GM inequality*, Discrete Applied Mathematics, 230 (2017), 100-111.

DOI: 10.1016/j.dam.2017.05.012. ISSN: 0166-218X
<https://www.sciencedirect.com/science/article/abs/pii/S0166218X17302706>

Ci17.6 W. Liao, J. Wu and J. Zhao, *New versions of reverse Young and Heinz mean inequalities with the Kantorovich constant*, Taiwanese J. Math. Vol., 19 (2) (2015), 467-479.

DOI: 10.11650/tjm.19.2015.4548. ISSN: 1027-5487
<https://projecteuclid.org/euclid.twjm/1499133641>

Ci18. Flavia -Corina Minuță (Mitroi), *Point convexity*, An. Univ. Craiova Ser. Mat. Inform., 37 (2) (2010), 100-105.

Ci18.1 Florea A., Păltănea E., *On a class of punctual convex functions*, Mathematical Inequalities and Applications, 17 (1) (2014), 389-399.

DOI: 10.7153/mia-17-29. ISSN: 1331-4343
<http://mia.ele-math.com/17-29/On-a-class-of-punctual-convex-functions>

TOTAL CITARI cu SRI mai mare de 0.5:

55 CITARI

Notă

- (1) Fiecare lucrare este prezentată, în limba în care a fost publicată/expusă, corespunzător structurii “ I, II, III, IV, V, VI, VII ”, unde: I este indicativul (T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie “bold” la lucrările realizate după acordarea ultimului titlu didactic/grad profesional(**Ca1, I1** etc., după caz); II - autorii în ordinea din publicație, cu scriere “bold” a **candidatului**; III – *titlul*, scris “italic”; IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz; V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz; VI - anul sau perioada de realizare, după caz.; VII – ISSN (pentru reviste) sau ISBN (pentru cărți, manuale, tratate, volumele unor manifestări științifice, etc).
- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică.

Candidat,

.....