

Listă lucrări publicate
PĂTRAȘCU (SONEA) ANDROMEDA CRISTINA

(1)

1. **Andromeda Sonea** - "HX groups associated with the dihedral group D_n ", Journal of Multiple Valued Logic & Soft Computing, 33. 1-2, 11-26, 2019, WOS: 000484047100002.

2. **Andromeda Sonea** - "New aspects in polygroup theory", Analele Științifice ale Universității Ovidius Constanța , Vol. 28(3), 241-254, 2020, <https://doi.org/10.2478/auom-2020-0044>, WOS:000604611600013. (Q2)

3. **Andromeda Sonea**, Irina Cristea - "The class equation and the commutativity degree in complete hypergroup theory", Mathematics, 8, 2253, 2020, <https://doi.org/10.3390/math8122253>, WOS:000602071300001. (Q1)

4. **Andromeda Sonea**, Bijan Davvaz- „The Euler’s totient function in canonical hypergroup theory”, Indian Journal of Pure and Applied Mathematics, 2021, DOI: 10.1007/s13226-021-00159-9, WOS:000683241700002. (Q4)

5. Violeta Leoreanu Fotea, Piergiulio Corsini, **Andromeda Sonea**, Darius Heidari - "Complete parts and subhypergroups in reversible regular hypergroups", Analele Științifice ale Universității Ovidius Constanța, DOI: 10.2478/auom-2022-0012 Vol 30(1) 219-230, 2022, WOS:000790872700012. (Q3)

6. **Andromeda Sonea**, Irina Cristea - “Euler’s totient function applied to complete hypergroups”, AIMS Mathematics, doi: 10.3934/math.2023388, Vol 8(4), 7731-7746, 2023, WOS:000961960200009. (Q1)

7. Madeleine Al- Tahan, Sarka Hoskova- Mayerova, Bijan Davvaz, **Andromeda Sonea** - “On subpolygroup commutativity degree of finite polygroups”, AIMS Mathematics, nr 10, Vol 8, 23786-23799, WOS:001052388300016, 2023, WOS:001052388300016. (Q1)

8. **Andromeda Sonea**, Violeta Fotea - “A combinatorial study for the Distribution of Phenotypes”, Multiple Valued Logic and Soft Computing, Multiple Valued Logic and Soft Computing, nr.5-6, Vol.40, 569-585, 1542-3999, WOS:001029925600007, 2023. (Q1).

9. Mirela Cojocariu, Elena Liliana Chelariu, Ciprian Chiruță, Petronica Amișculesei, **Andromeda Cristina Sonea** – “A comparative study of the behaviour of *Antirrhinum majus* species cultivated in field and in vertical systems for green facades under the climate conditions in the north-eastern region of Romania, Vol.55, Issue 1, 2022, DOI: 10.46909/alse-551043.

10. Violeta Fotea, Bijan Davvaz, **Andromeda Sonea**- “A survey on the fuzzy degree of a hypergroup”, Special Issue in Palestine Journal of Mathematics, Vol. 11(1) (2022), 260–269, 2023.

(2) Teza de doctorat: Noi contribuții la studiul hiperstructurilor algebrice, 2021.

(4) Capitol de carte, editură internațională:

Sonea Andromeda, Saba AL-Kaseasbeh, An introduction to NeutroHX-Groups, 17 pagini, - Theory and Applications of NeutroAlgebras as Generalizations of Classical Algebras, IGI GLOBAL, Publisher of Timely of Knowledge, 2022, ISBN13: 978166843495, 333 pagini.

Patrascut

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1. **Andromeda Sonea** - "HX groups associated with the dihedral group D_n ", Journal of Multiple Valued Logic & Soft Computing, 33. 1-2, 11-26, 2019, WOS: 000484047100002.
2. **Andromeda Sonea** - "New aspects in polygroup theory", Analele Științifice ale Universității Ovidius Constanța , Vol. 28(3), 241-254, 2020, <https://doi.org/10.2478/auom-2020-0044>, WOS:000604611600013. (Q2)
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4. **Andromeda Sonea**, Bijan Davvaz- „The Euler’s totient function in canonical hypergroup theory”, Indian Journal of Pure and Applied Mathematics, 2021, DOI: 10.1007/s13226-021-00159-9, WOS:000683241700002. (Q4)
5. Violeta Leoreanu Fotea, Piergiulio Corsini, **Andromeda Sonea**, Darius Heidari - "Complete parts and subhypergroups in reversible regular hypergroups", Analele Științifice ale Universității Ovidius Constanța, DOI: 10.2478/auom-2022-0012 Vol 30(1) 219-230, 2022, WOS:000790872700012. (Q3)
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7. Madeleine Al- Tahan, Sarka Hoskova- Mayerova, Bijan Davvaz, **Andromeda Sonea** - “On subpolygroup commutativity degree of finite polygroups”, AIMS Mathematics, nr 10, Vol 8, 23786-23799, WOS:001052388300016, 2023, WOS:001052388300016. (Q1)
8. **Andromeda Sonea**, Violeta Fotea - “A combinatorial study for the Distribution of Phenotypes”, Multiple Valued Logic and Soft Computing, Multiple Valued Logic and Soft Computing, nr.5-6, Vol.40, 569-585, 1542-3999, WOS:001029925600007, 2023. (Q1).

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1. Mirela Cojocariu, Elena Liliana Chelariu, Ciprian Chiruță, Petronica Amișculesei, **Andromeda Cristina Sonea** – “A comparative study of the behaviour of *Antirrhinum majus* species cultivated in field and in vertical systems for green facades under the climate conditions in the north-eastern region of Romania, Vol.55, Issue 1, 2022, DOI: 10.46909/alse-551043.
2. Violeta Fotea, Bijan Davvaz, **Andromeda Sonea**- “A survey on the fuzzy degree of a hypergroup”, Annals of Fuzzy Mathematics and Informatics, Vol. 11(1)(2022) , 260–269 , 2023.
3. **Andromeda Sonea**- “The lattice structure associated to complete hypergroups”, Lucrări Științifice, Seria Horticultură, 64(2)/2021, USV Iași.

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Andromeda Sonea - A Way to Construct Commutative Hyperstructures, Computer Sciences and Mathematics Forum, 2023, <https://doi.org/10.3390/IOCMA2023-14385>, EISSN 2813-0324.

Fatrascut