

# Listă completă de lucrări

## I. Lista celor maxim 10 lucrări considerate de candidat a fi cele mai relevante

- 1) Lazorec, M.S., Tărnăuceanu, M., *Cyclic subgroup commutativity degrees of finite groups*, Rend. Semin. Mat. Univ. Padova **139** (2018), 225-240.
- 2) Lazorec, M.S., *Probabilistic aspects of ZM-groups*, Comm. Algebra **47** (2019), no. 2, 541-552.
- 3) Lazorec, M.S., Tărnăuceanu, M., *A density result on the sum of element orders of a finite group*, Arch. Math. **114** (2020), no. 6, 601-607.
- 4) Lazorec, M.S., *On a divisibility property involving the sum of element orders*, Bull. Malays. Math. Sci. Soc. **44** (2021), no. 2, 941-951.
- 5) Lazorec, M.S., Shen, R., Tărnăuceanu, M., *The second minimum/maximum value of the number of cyclic subgroups of finite  $p$ -groups*, Bull. Aust. Math. Soc. **103** (2021), no. 1, 96-103.
- 6) Lazorec, M.S., Tărnăuceanu, M., *On some probabilistic aspects of (generalized) dicyclic groups*, Quaest. Math. **44** (2021), no. 1, 129-146.
- 7) Lazorec, M.S., *A connection between the number of subgroups and the order of a finite group*, J. Algebra Appl. **21** (2022), no. 1, Article ID 2250001, 20 pp.
- 8) Lazorec, M.S., *Subgroups with a small sum of element orders*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. RACSAM **117** (2023), no. 4, Paper No. 148, 9 pp.
- 9) Lazorec, M.S., *Some density results involving the average order of a finite group*, Comm. Algebra **51** (2023), no. 9, 3848–3853.
- 10) Lazorec, M.S., Tărnăuceanu, M., *On the average order of a finite group*, J. Pure Appl. Algebra **227** (2023), no. 4, Paper No. 107276, 9 pp.

## II. Teza de doctorat

Lazorec, M.S., *Aspecte probabilistice ale teoriei grupurilor finite*, Universitatea "Al. I. Cuza", Iași, 2019; conducător științific: Prof. Dr. Tărnăuceanu Marius; referenți științifici: Prof. Dr. Dăscălescu Sorin, Prof. Dr. Mărcuș Andrei, Prof. Dr. Fotea Violeta.

## III. Lucrări publicate

- 1) Lazorec, M.S., Tărnăuceanu, M., *Cyclic subgroup commutativity degrees of finite groups*, Rend. Semin. Mat. Univ. Padova **139** (2018), 225-240.

- 2) Lazorec, M.S., *Probabilistic aspects of ZM-groups*, Comm. Algebra **47** (2019), no. 2, 541-552.
- 3) Lazorec, M.S., *Relative cyclic subgroup commutativity degrees of finite groups*, Filomat **33** (2019), no. 13, 4021-4032.
- 4) Lazorec, M.S., Tărnăuceanu, M., *Finite groups with two relative subgroup commutativity degrees*, Publ. Math. Debrecen **94** (2019), no. 1-2, 157-169.
- 5) Lazorec, M.S., Tărnăuceanu, M., *A note on the number of cyclic subgroups of a finite group*, Bull. Math. Soc. Sci. Math. Roumanie (N.S.), tome **62/110** (2019), no. 4, 403-416.
- 6) Lazorec, M.S., Tărnăuceanu, M., *Cyclic factorization numbers of finite groups*, Ars Combin. **145** (2019), 95-110.
- 7) Lazorec, M.S., Tărnăuceanu, M., *A density result on the sum of element orders of a finite group*, Arch. Math. **114** (2020), no. 6, 601-607.
- 8) Lazorec, M.S., *On a divisibility property involving the sum of element orders*, Bull. Malays. Math. Sci. Soc. **44** (2021), no. 2, 941-951.
- 9) Lazorec, M.S., Shen, R., Tărnăuceanu, M., *The second minimum/maximum value of the number of cyclic subgroups of finite  $p$ -groups*, Bull. Aust. Math. Soc. **103** (2021), no. 1, 96-103.
- 10) Lazorec, M.S., Tărnăuceanu, M., *On some probabilistic aspects of (generalized) dicyclic groups*, Quaest. Math. **44** (2021), no. 1, 129-146.
- 11) Lazorec, M.S., *A connection between the number of subgroups and the order of a finite group*, J. Algebra Appl. **21** (2022), no. 1, Article ID 2250001, 20 pp.
- 12) Lazorec, M.S., Tărnăuceanu, M., *Groups whose same-order types are arithmetic progressions*, Quaest. Math. **45** (2022), no. 8, 1309-1316.
- 13) Lazorec, M.S., *Subgroups with a small sum of element orders*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. RACSAM **117** (2023), no. 4, Paper No. 148, 9 pp.
- 14) Lazorec, M.S., *Some density results involving the average order of a finite group*, Comm. Algebra **51** (2023), no. 9, 3848–3853.
- 15) Lazorec, M.S., Tărnăuceanu, M., *On the average order of a finite group*, J. Pure Appl. Algebra **227** (2023), no. 4, Paper No. 107276, 9 pp.
- 16) Lazorec, M.S., Tărnăuceanu, M., *Addendum to "A generalization of a result on the sum of element orders of a finite group"*, Math. Slovaca **73** (2023), no. 1, 65–68.

#### **IV. Lucrări acceptate pentru publicare**

1) Lazorec, M.S., *A graph related to the sum of element orders of a finite group*, Contrib. Discrete Math.

#### **V. Lucrări propuse pentru publicare**

1) Lazorec, M.S., *Element orders in extraspecial groups*.

Data

Semnătura  
Asist. Dr. Lazorec Mihai-Silviu