

LIST OF PULICATIONS

Maryam Bajalan, Ph.D.

Postdoctoral Researcher (Recognized, R2)

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria

maryam.bajalan@math.bas.bg

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1. Peer-Reviewed Journal Papers

1. *On the structure of repeated-root polycyclic codes over local rings*
Maryam Bajalan, Edgar Martínez-Moro* (*=Corresponding author), Reza Sobhani, Steve Szabo, and Gülsüm Gözde Yılmazgüç
Discrete Mathematics, 347(1), (2024) 113715
DOI: [10.1016/j.disc.2023.113715](https://doi.org/10.1016/j.disc.2023.113715) — PDF (<https://arxiv.org/pdf/2208.00512.pdf>)
2. *Galois LCD codes over mixed alphabets*
Maryam Bajalan, Alexandre Fotue Tabue, Joël Kabore, and Edgar Martínez-Moro*
Finite Fields and Their Applications, 85, (2023) 102125
DOI: [10.1016/j.fa.2022.102125](https://doi.org/10.1016/j.fa.2022.102125) — PDF (<https://arxiv.org/pdf/2202.02843.pdf>)
3. *On codes over the product of finite chain rings*
Maryam Bajalan, Rashid Rezaei*, and Karim Samei
Sigma Journal of Engineering and Natural Sciences, 41(1), (2023) 145-155
DOI: [10.14744/sigma.2023.00014](https://doi.org/10.14744/sigma.2023.00014)
4. *A transform approach to polycyclic and serial codes over rings*
Maryam Bajalan, Edgar Martínez-Moro*, and Steve Szabo
Finite Fields and Their Applications, 80, (2022) 102014
DOI: [10.1016/j.fa.2022.102014](https://doi.org/10.1016/j.fa.2022.102014) — PDF (<https://arxiv.org/pdf/2105.05046.pdf>)
5. *Some properties of the Cesaro-Musielak-Orlicz sequence spaces*
Maryam Bajalan and Daryoush Behmardi*
Far East Journal of Mathematical Sciences 49(1), (2011) 7-20
6. *Schur property of generalized Orlicz-Lorentz sequence spaces*
Maryam Bajalan and Daryoush Behmardi*
International Journal of Applied Mathematics 23(6), (2010) 1047-1051

2. Papers in Preparation

1. *(σ, δ) -polycyclic codes over the Ore extensions over rings*
Maryam Bajalan, Ivan Landjev, and Edgar Martínez-Moro
2. *On LCP codes over a mixed ring alphabet*
 Alexandre Fotue Tabue, Javier de la Cruz, **Maryam Bajalan**, and Edgar Martínez-Moro
 Submitted to Discrete Mathematics [PDF \(https://arxiv.org/abs/2309.14217\)](https://arxiv.org/abs/2309.14217)
3. *Self-orthogonal and quantum codes over chain rings*
Maryam Bajalan, Mina Moeini, and Bahattin Yildiz
 Submitted to Jacodemath

3. Conference Papers

1. *On the p -rank of the incidence matrix of a projective Hjelmslev plane*
Maryam Bajalan, Ivan Landjev, and Assia Rousseva
 19th EAI International Conference, CSECS June 28–29, 2023, Boston, MA, USA
 Proceedings Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Springer, Cham, 514, (2023) 30–39
DOI: [10.1007/978-3-031-44668-9_2](https://doi.org/10.1007/978-3-031-44668-9_2)
2. *Relative N -weight codes over the direct product of finite chain rings*
Maryam Bajalan and Mina Moini
 52th Annual Iranian Mathematics Conference, Kerman University, Iran (2021)