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PUBLICATIONS

- 2024 *On some freeness-type properties for line arrangements* (with T. Abe and D. Ibadula), **Ann. Sc. Norm. Super. Pisa Cl. Sci.** (5) Vol. XXV (2024), 427–447, DOI: [10.2422/2036-2145.202105_038](https://doi.org/10.2422/2036-2145.202105_038), Impact Factor: 1.041
- 2023 *Addition-deletion results for plus-one generated curves* (with P. Pokora), preprint, [arXiv:2310.19610](https://arxiv.org/abs/2310.19610)
- 2023 *On plus-one generated conic-line arrangements with simple singularities* (with P. Pokora), preprint, [arXiv:2309.15228](https://arxiv.org/abs/2309.15228)
- 2023 *A geometric perspective on plus-one generated arrangements of lines* (with J. Vallès), [arXiv:2309.10501](https://arxiv.org/abs/2309.10501), accepted for publication (2024) in the **International Journal of Mathematics**, DOI: [10.1142/S0129167X24500344](https://doi.org/10.1142/S0129167X24500344), Impact Factor: 0.6
- 2022 *On torsion freeness for the decomposable Orlik-Solomon algebra*, preprint, [arXiv:2212.12275](https://arxiv.org/abs/2212.12275)
- 2020 *Numerical invariants and moduli spaces for line arrangements* (with A. Dimca and D. Ibadula), **Osaka Journal of Mathematics**, Vol. 57, No.4, 847 – 870 (October 2020), <https://doi.org/10.18910/77234>, Impact Factor: 0.414
- 2019 *Freeness for 13 lines arrangements is combinatorial* (with A. Dimca and D. Ibadula), **Discrete Mathematics**, Volume: 342, Issue: 8, Pages: 2445-2453 ISSN: 0012-365X, <https://doi.org/10.1016/j.disc.2019.05.016>, Impact Factor: 0.85
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- 2017 *Flat connections and resonance varieties: from rank one to higher ranks*, (with Ş. Papadima, R. Popescu and A. Suciu), **Trans. Amer. Math. Soc.** 369, 1309–1343, DOI: <https://doi.org/10.1090/tran/6799>, Impact Factor: 1.353
- 2016 *Pencil type line arrangements of low degree: classification and monodromy*, (with A. Dimca and D. Ibadula), **Ann. Scuola Norm. Sup. Pisa**, (5) Vol. XV, 249–267, DOI: [10.2422/2036-2145.201306_003](https://doi.org/10.2422/2036-2145.201306_003), Impact Factor: 1.041
- 2015 *On the second nilpotent quotient of higher homotopy groups for hypersolvable arrangements* (with D. Matei and Ş. Papadima), **International Mathematics Research Notices**, Volume 2015, Issue 24, Pp. 13194–13207, <https://doi.org/10.1093/imrn/rnv080>, Impact Factor: 1.0
- 2014 *Some remarks on the realizability spaces of (3, 4)-nets*, (with D. Ibadula), Proceedings of the conference "Experimental and Theoretical Methods in Algebra, Geometry and Topology", Bridging Algebra, Geometry, and Topology, **Springer Proceedings in Mathematics & Statistics**, 159–166, DOI:[10.1007/978-3-319-091860_10](https://doi.org/10.1007/978-3-319-091860_10).
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