

Research and expository papers:

1. Marian Aprodu, Luigi Lombardi. *On the vanishing of Koszul cohomology of abelian varieties*. Bull. London Math. Soc. to appear.
2. Marian Aprodu, Edoardo Sernesi. *Excess dimension for secant loci in symmetric products of curves*. Collectanea Math. to appear
3. Marian Aprodu, Gavril Farkas, Angela Ortega. *Minimal resolutions, Chow forms of K3 surfaces and Ulrich bundles*. Journal für die reine und angew. Mathematik, to appear.
4. Marian Aprodu, Gavril Farkas, Angela Ortega. *Restricted Lazarsfeld-Mukai bundles and canonical curves*. Advanced Studies in Pure Mathematics (Math. Soc. Japan), volume on the occasion of Mukai's 60th birthday, to appear.
5. Marian Aprodu, Marius Marchitan. *Prioritary omalous bundles on Hirzebruch surfaces*. Journal of Geom. and Physics, 99 (2016), 1-9.
6. Marian Aprodu, Edoardo Sernesi. *Secant spaces and syzygies of special line bundles on curves*. Algebra & Number Theory 9:3 (2015), 585-600.
7. Monica Alice Aprodu, Marian Aprodu. *Holomorphic vector bundles on Kaehler manifolds and totally geodesic foliations on Euclidean open domains*. Diff. Geometry and its Appl., 39 (2015), 10-19
8. Marian Aprodu. *Polynomial equations and vector bundles*. On Form and Pattern, Ed. Acad. Române (2015), 77-82.
9. Marian Aprodu. *Ulrich bundles on K3 surfaces*. Oberwolfach Reports 11:3 (2014).
10. Marian Aprodu. *Lazarsfeld-Mukai bundles and applications. II*. in: Bridging Algebra, Geometry, and Topology, Springer Proceedings in Mathematics & Statistics, Vol. 96, Ibadula, Denis, Veys, Willem (Eds.) 2014, 11-20 (Proceedings of the Conference "Experimental and Theoretical Methods in Algebra, Geometry and Topology", Eforie Nord, June 21-24, 2013).
11. Marian Aprodu, Matei Toma. *Boundedness for some rationally connected threefolds in \mathbf{P}^6* . Comm. in Algebra, 42:9 (2014) 3876-3882.
12. Marian Aprodu. *Lazarsfeld-Mukai bundles and applications*. in: Peeva, Irena (ed.), Commutative algebra. Expository papers dedicated to David Eisenbud on the occasion of his 65th birthday. New York, NY: Springer. 1-23, 2013.
13. Marian Aprodu, Ruxandra Moraru, Matei Toma. *Two-dimensional moduli spaces of vector bundles over Kodaira surfaces*. Advances in Math. 231 (2012) 1202-1215.
14. Marian Aprodu, Gavril Farkas. *Green's Conjecture for general covers*. Contemporary Math., AMS, Vol. 564 (2012), 211-226.
15. Marian Aprodu, Vasile Brinzanescu, Marius Marchitan. *Rank-two vector bundles on Hirzebruch surfaces*. Central European J. Math. 10 No. 4 (2012) 1321-1330.
16. Marian Aprodu, Marius Marchitan. *A note on vector bundles on Hirzebruch surfaces*. C. R. Acad. Sci. Paris Ser. I Math. 349, no 11-12 (2011), 687-690.
17. Marian Aprodu, Gavril Farkas. *Green's Conjecture for curves on arbitrary K3 surfaces*. Compositio Math. 147 (2011), 839-851.
18. Marian Aprodu, Gavril Farkas. *Koszul cohomology and applications to moduli*. in: Grassmannians, vector bundles and moduli spaces, Clay Mathematics Proceedings, AMS, Vol. 14 (2011), 25-50.
19. Marian Aprodu, Daniel Naie. *Enriques diagrams and log-canonical thresholds of curves on smooth surfaces*. Geometriae Dedic. 146 (2010), 43-66.
20. Marian Aprodu, Vasile Brinzanescu. *Beilinson type spectral sequences on scrolls, Moduli spaces and vector bundles*. 426-436, London Math. Soc. Lecture Note Ser., 359, Cambridge Univ. Press, Cambridge, 2009.
21. Marian Aprodu, Gianluca Pacienza. *The Green Conjecture for Exceptional Curves on a K3 Surface*. Internat. Math. Res. Notices (IMRN) (2008) nr. 14 Vol. 2008, article ID rnn043, 25 pages - *Corrigendum and Addendum*, Internat. Math. Res. Notices (2012) nr. 5, 1195-1197.
22. Marian Aprodu, Stefan Kebekus, Thomas Peternell. *Galois coverings and endomorphisms of projective varieties*. Math. Zeitschrift 260 (2008), no.2, 431-449.
23. Marian Aprodu. *Brill-Noether theory for curves on K3 surfaces*. Contemporary geometry and topology and related topics, 1-12, Cluj Univ. Press, Cluj-Napoca, 2008.
24. Marian Aprodu, Jan Nagel. *Non-vanishing for Koszul cohomology of curves*. Commentarii Math. Helvetici 82 No. 3 (2007) 617-628.
25. Marian Aprodu. *Geometry of curves and Koszul cohomology*. Modern trends in geometry and topology, 37-45, Cluj Univ. Press, Cluj-Napoca, 2006.
26. Marian Aprodu. *Remarks on syzygies of d-gonal curves*. Mathematical Res. Letters 12 No. 3 (2005) 387-400.
27. Marian Aprodu. *On Green and Green-Lazarsfeld conjectures for generic d-gonal curves*. Oberwolfach Reports No. 7 (2005) 427-430.

28. Marian Aprodu. *Green-Lazarsfeld gonality conjecture for a generic curve of odd genus*. Internat. Math. Res. Notices (IMRN) 63 (2004) 3409-3414.
29. Marian Aprodu, Jan Nagel. *A Lefschetz type result for Koszul cohomology*. Manuscripta Math. 114 (2004) 423-430.
30. Marian Aprodu, Matei Toma. *Une note sur les fibrés holomorphes non-filtrables*. C. R. Acad. Sci. Paris 336 No. 7 (2003) 581-584.
31. Marian Aprodu, Claire Voisin. *Green-Lazarsfeld's conjecture for generic curves of large gonality*. C. R. Acad. Sci. Paris 336 No. 4 (2003) 335-339.
32. Marian Aprodu. *On the vanishing of higher syzygies of curves. II*. Math. Zeitschrift 243 No. 4 (2003) 775-778.
33. Marian Aprodu, Vasile Brinzanescu. *On the holomorphic rank-2 vector bundles with trivial discriminant over non-Kaehler elliptic bundles*. J. Math. Kyoto Univ. (JKYAMZ) 42 No. 4 (2002) 617-623.
34. Marian Aprodu, Vasile Brinzanescu, Matei Toma. *Holomorphic vector bundles over primary Kodaira surfaces*. Math. Zeitschrift 242 No. 1 (2002) 63-73.
35. Marian Aprodu. *On the vanishing of higher syzygies of curves*. Math. Zeitschrift 241 No. 1 (2002) 1-15.
36. Monica Alice Aprodu, Marian Aprodu, Vasile Brinzanescu. *A class of harmonic maps and minimal submanifolds*. International J. Math. 11 No. 9 (2000) 1177-1191.
37. Monica Alice Aprodu, Marian Aprodu. *Implicitly defined harmonic PHH submersions*. Manuscripta Math. 100 (1999) 103-121.
38. Marian Aprodu, Vasile Brinzanescu. *Moduli spaces of vector bundles over ruled surfaces*. Nagoya Math. J. 154 (1999) 111-122.
39. Marian Aprodu. *An Appell-Humbert theorem for hyperelliptic surfaces*. J. Math. Kyoto Univ. (JKYAMZ) 38 No. 1 (1998) 101-121.
40. Marian Aprodu, Vasile Brinzanescu. *Existence of stable rank-2 vector bundles over ruled surfaces*. Collection of papers in memory of Martin Jurchescu. Rev. Roumaine Math. Pures Appl. 43 No. 1-2 (1998) 47-56.
41. Marian Aprodu, Vasile Brinzanescu. *Stable rank-2 vector bundles over ruled surfaces*. C. R. Acad. Sci. Paris 325 (1997) 295-300.
42. Marian Aprodu, Vasile Brinzanescu. *Numerical invariants and stability of 2-vector bundles over ruled surfaces*. An. St. Univ. Ovidius Constanta 5 No. 2 (1997) 9-16.
43. Marian Aprodu, Vasile Brinzanescu. *Fibrés vectoriels de rang deux sur les surfaces réglées*. C. R. Acad. Sci. Paris 323 (1996) 627-630.

Research monographs:

Marian Aprodu, Jan Nagel. *Koszul Cohomology and Algebraic Geometry*. University Lecture Series, vol. 52, 2010, AMS, 125 pp, ISBN-10: 0-8218-4964-6, ISBN-13: 978-0-8218-4964-4.