

PUBLICATION LIST of ALEXANDRU DIMCA

I. Articles

1. Topologia intersectiilor complete I, Stud. Cerc. Mat. 28 (1976), 635-643.
2. Topologia intersectiilor complete II, Stud. Cerc. Mat. 29 (1977), 3-15.
3. On the algebraic structures and the automorphism groups of the nonsingular projective hypersurfaces, Rev. Roum. Math. Pures et Appl. 24 (1979), 545-548.
4. Morse functions and stable mappings, Rev. Roum. Math. Pures et Appl. 24 (1979), 1293-1297.
5. Two remarks on transversality, Rev. Roum. Math. Pures et Appl. 24 (1979), 1433-1435.
6. On the Boardman symbol of a map germ, Rev. Roum. Math. Pures et Appl. 25 (1980), 203-208.
7. (with G. Dimca) Two applications of the Thom polynomials, An. Univ. Timisoara, 20 (1982), 3-6.
8. Tangencies of generic real projective hypersurfaces, Math. Scand. 53 (1983), 216-220.
9. A geometric approach to the classification of pencils of quadrics, Geom. Dedicata 14 (1983), 105-111.
10. (with C.G. Gibson) On contact germs of the plane, Proc. Symp. Pure Math. 40, Amer. Math. Soc., (1983), 277-282.
11. (with C.G. Gibson) Contact unimodular germs from the plane to the plane, Quart. J. Math. Oxford 34 (1983), 281-295.
12. (with C.G. Gibson) On the unfolding of the first contact unimodular family of plane to plane map germs, Quart. J. Math. Oxford 34 (1983), 297-304.
13. Germes des fonctions définies sur des singularités isolées d'hypersurfaces, C.R. Acad. Sc. Paris, 297 (1983), 117-120.
14. Function germs defined on isolated hypersurfaces singularities, Compositio Math. 53 (1984), 245-258.
15. Are the isolated singularities of complete intersections determined by their singular subspaces? Math. Ann. 267 (1984), 461-472.
16. Sur les singularités isolées d'intersections complètes, C.R. Acad. Sc. Paris, 299 (1984), 21-24.
17. (with R. Rosian) The Samuel stratification of the discriminant is Whitney regular, Geom. Dedicata, 17 (1984), 181-184.
18. Monodromy of functions defined on isolated singularities of complete intersections, Compositio Math., 54 (1985), 105-119.
19. On isolated singularities of complete intersections, J. London Math. Soc. 31 (1985), 401-406.
20. (with C.G. Gibson) Classification of equidimensional contact unimodular map germs, Math. Scand. 56 (1985), 15-28.
21. (with S. Dimiev) On analytic coverings of weighted projective spaces, Bull. London Math. Soc. 17 (1985), 234-238.

22. Monodromy and Betti numbers of weighted complete intersections, *Topology* 24 (1985), 369-374.
23. On the homology and cohomology of complete intersections with isolated singularities, *Compositio Math.* 58 (1986) 321-339.
24. Singularities and coverings of weighted complete intersections, *J. reine angew. Math.* 366 (1986), 184-193.
25. Milnor numbers and multiplicities of dual varieties, *Rev. Roum. Math. Pures et Appl.* 31 (1986), 535-538.
26. (with A.D.R. Choudary) On the dual and hessian mappings of projective hypersurfaces, *Math. Proc. Cambridge Phil. Soc.* 101 (1987), 461-468.
27. (with M. Tibar) Pull-backs of isolated singularities under analytic coverings, *Rev. Roum. math. Pures et Appl.* 32 (1987), 523-530.
28. (with A.D.R. Choudary) Hypersurface singularities, codimension two complete intersections and tangency sets, *Geom. Dedicata* 24 (1987), 255-260.
29. On analytic abelian coverings, *Math. Ann.* 279 (1988), 501-515.
30. On the Milnor fibrations of weighted homogeneous polynomials, *Compositio Math.* 76 (1990), 19-47.
31. (with A.D.R. Choudary) Singular complex surfaces in P^3 having the same Z -homology and Q -homotopy type as P^2 , *Bull. London Math. Soc.* 22 (1990) 145-147.
32. On the connectivity of affine hypersurfaces, *Topology* 29 (1990), 511-514.
33. Betti numbers of hypersurfaces and defects of linear systems, *Duke Math. J.* 60 (1990) 285-298.
34. (with P. Deligne) Filtrations de Hodge et par l'ordre du pole pour les hypersurfaces singulieres, *Ann. Sci. Ec. Norm. Sup.* 23 (1990), 645-656.
35. Differential forms and hypersurface singularities, in: *Singularity theory and its applications*, Vol. I (ed. D. Mond and J. Montaldi), Springer Lecture Notes 1462 (1991), 122-153.
36. On the de Rham cohomology of a hypersurface complement, *Amer. J. Math.* 113 (1991), 763-771.
37. (with M. Saito) On the cohomology of a general fiber of a polynomial map, *Compositio Math.* 85 (1993), 299-309.
38. (with G. Barthel) On complex projective hypersurfaces which are cohomology P^n 's, *Proceedings of Singularities Conference Lille 1991*, ed. J.-P. Brasselet, London Math. Soc. Lecture Note Series 201, 1994.
39. (with A.D.R. Choudary) Koszul complexes and hypersurface singularities, *Proc. Amer. Math. Soc.* 121 (1994), 1009-1016.
40. (with A.D.R. Choudary) Complex hypersurfaces diffeomorphic to affine spaces, *Kodai Math. J.* 17(1994), 171-178.
41. Residues and cohomology of complete intersections, *Duke Math. J.*, 78(1995),89-100.
42. Hodge numbers of hypersurfaces, *Abh. Math. Sem. Hamburg* 66(1996),377-386.
43. (with G.I. Lehrer) Purity and equivariant weight polynomials, dans le volume: *Algebraic Groups and Lie Groups*, editor G.I. Lehrer, Cambridge University Press, 1997.

44. (with D.C. Popescu and Hong Yan): A Nonlinear Model for Fractal Image Coding, IEEE Transactions on Image Processing, 6(1997), 373-382.
45. (with J.A.Hillman and L. Paunescu): On hypersurfaces in real projective spaces, Far East J. Math. Sci. 5(1997),159-168.
46. (with L. Paunescu): Real singularities and dihedral representations, Matematica Contemporanea 12(1997), 67-82.
47. A sheaf-theoretic view at the topology of polynomials, to appear in: Proceedings of Constantza Algebraic Geometry Conference, 1996, An. St. Univ. Ovidius Constantza, 5(1997), 17-22.
48. (with E. Artal Bartolo, P. Cassou-Noguès): Sur la topologie des polynômes complexes: Brieskorn Festband, Proceedings of the Oberwolfach Singularity Conference 1996, editeurs: V.I.Arnold, G.-M. Greuel et J.H.M. Steenbrink, Progress in Math. vol. 162, Birkhäuser 1998, pp. 317-343.
49. Invariant cycles for complex polynomials, Revue Roumaine de Math. Pures et Appl (volume dédié à la mémoire de M. Jurchescu) 43(1998), 113-120.
50. Monodromy at infinity for polynomials of two variables, Journal of Algebraic Geometry 7(1998), 771-779.
51. (with P. Cassou-Noguès): Topology of complex polynomials via polar curves, Kodai Math. J. 22(1999), 131-139.
52. (with L. Paunescu): On the connectivity of complex affine hypersurfaces, II, Topology 39(2000) 1035-1043.
53. (with F. Maaref, C. Sabbah et M. Saito): Dwork cohomology and algebraic D-modules, Math. Ann. 318(2000),107-125.
54. (with Ph. Bonnet): Relative differential forms and complex polynomials, Bull. Sci. Math. 124(2000) 557-571.
55. (with Morihiko Saito): Algebraic Gauss-Manin systems and Brieskorn modules, American J. Math. 123(2001) 163-184.
56. (with A. Némethi): Thom Sebastiani construction and monodromy of polynomials,in: Monodromy in Problems of Algebraic Geometry and Differential Equations, Editors A.A. Bolibrukh and C. Sabbah, Proc. V. A. Steklov Inst. Math, vol. 238(2002), 106-123.
57. (with A. Némethi): On the monodromy of complex polynomials, Duke Math. J. 108(2001), 199-209.
58. On polar Cremona transformations, An. St. Univ. Ovidius Constanta, 9(2001), 47-54.
59. Monodromy and Hodge theory of regular functions, in: New Developments in Singularity Theory, eds D. Siersma, C.T.C. Wall, V. Zakalyukin, Kluwer 2001, 257-278.
60. (with M. Saito): Monodromy at infinity and the weights of cohomology, Compositio Math. 138 (2003), 55-71.
61. (with S. Papadima): Hypersurface complements, Milnor fibers and higher homotopy groups of arrangements, Annals of Mathematics, 158(2003), 473-507.
62. (with A. Némethi): Hypersurface complements, Alexander modules and monodromy, Proceedings of the 7th Workshop on Real and Complex Singularities, Sao Carlos,

- 2002, M. Ruas and T.Gaffney Eds, *Contemp. Math.*, Amer.Math.Soc (2004), pp. 19-43..
63. (with D. Cohen et P. Orlik): Nonresonance conditions for arrangements, *Annales de l'Institut Fourier* 53(2003), 1883-1896.
 64. Hyperplane arrangements, M-tame polynomials and twisted cohomology, *Commutative Algebra, Singularities and Computer Algebra*, Eds. J. Herzog, V. Vuletescu, NATO Science Series, Vol. 115, Kluwer 2003, pp. 113-126.
 65. (with S. Papadima): Equivariant chain complexes, twisted homology and relative minimality of arrangements, *Ann. Scient. Ec. Norm. Sup.* 37 (2004), 449-467.
 66. (with M. Saito): Some consequences of perversity of vanishing cycles, *Ann.Inst. Fourier, Grenoble* 54(2004), 1769-1792.
 67. (with A.D.R. Choudary and S. Papadima): Some Analogs of Zariski Theorem on Nodal Line Arrangements, *Algebraic and Geometric Topology* 5 (2005), 691-711.
 68. (with A. Libgober): Regular functions transversal at infinity, *Tohoku Math.J.*58(2006), 549-564.
 69. (with A. Libgober): Local topology of reducible divisors, in: *Real and Complex Singularities*, Trends in Math., Birkhäuser 2006, pp. 99-111.
 70. (with M. Saito): A generalization of Griffiths' theorem on rational integrals, *Duke Math. J.* 135(2006), 303-326.
 71. (with Ph. Maisonobe, M. Saito and T. Torrelli): Multiplier ideals, V-filtrations and transversal sections, *Math. Ann.* 336 (2006), 901-924.
 72. (with L. Maxim): Multivariable Alexander invariants of hypersurface complements, *Transactions Amer. Math. Soc.*359(2007), 3505-3528.
 73. Characteristic varieties and constructible sheaves, *Rend. Lincei Mat. Appl.* 18 (2007), 365- 389.
 74. On the irreducible components of characteristic varieties, *An. St. Univ. Ovidius Constanța*, 15(2007), 67-74.
 75. On the connectivity of some complete intersections, in: *The second Japanese-Australian Workshop on Real and Complex Singularities*, RIMS *Kōkyūroku* 1610, pp.11-17(2008).
 76. (with S. Papadima and A. Suciu): Quasi-Kähler Bestvina-Brady groups, *Journal of Algebraic Geometry* 17 (2008), no. 1, 185-197.
 77. (with S. Papadima and A. Suciu): Alexander polynomials: essential variables and multiplicities, *Int. Math. Research Notices* vol.(2008), no. 3, Art. ID rnm119, 36 pp.
 78. On the isotropic subspace theorems, *Bull. Math. Soc.Sci.Math. Roumanie* 51(2008),307-324.
 79. (with S. Papadima and A. Suciu): Non-finiteness properties of the fundamental groups of smooth projective varieties, *J. Reine und Angew. Math. Crelle* 629 (2009), 89-105.
 80. On admissible rank one local systems, *Journal of Algebra* 321 (2009), 3145-3157. (a volume dedicated to Gus Lehrer)
 81. (with A. Suciu): Which 3-manifolds groups are Kähler groups?, *J. European Math. Soc.* 11(2009), 521-528.

82. (with S. Papadima and A. Suciuc): Topology and geometry of cohomology jump loci, *Duke Math. J.* 148(2009), 405-457.
83. Pencils of plane curves and characteristic varieties, in: *Arrangements, Local Systems and Singularities*, Progress in Mathematics vol. 283, pp. 59-82, Birkhäuser, 2009.
84. (with S. Yuzvinsky): Lectures on Orlik-Solomon Algebras, in: *Arrangements, Local Systems and Singularities*, Progress in Mathematics vol. 283, pp. 83-110, Birkhäuser, 2009.
85. (with M. Saito and L. Wotzlaw): A generalization of Griffiths' theorem on rational integrals II, *Michigan Math. J.* 58(2009), 603–625.
86. (with B. Szendrői): The Milnor fibre of the Pfaffian and the Hilbert scheme of four points on C^3 , *Math. Res. Lett.* 16 (2009), 1037–1055.
87. Characteristic varieties and logarithmic differential 1-forms, *Compositio Math.* 146(2010), 129–144.
88. (with S. Papadima and A. Suciuc): Quasi-Kähler groups, 3-manifold groups, and formality, *Math. Z.* 268, (2011), 169-186.
89. (with N. Budur and M. Saito): First Milnor cohomology of hyperplane arrangements, in: 'Topology of Algebraic Varieties and Singularities', *Contemporary Mathematics* 538(2011), 279-292.
90. (with S. Papadima): Finite Galois covers, cohomology jump loci, formality properties, and multinetts, *Ann. Scuola Norm. Sup. Pisa Cl. Sci (5)*, Vol. X (2011), 253-268.
91. (with Ph. Maisonobe and M. Saito): Spectrum and multiplier ideals of arbitrary subvarieties, *Ann. Inst. Fourier, Grenoble* 61, 4 (2011), 1633-1653.
92. (with M. Saito): Vanishing cycle sheaves of one-parameter smoothings and quasi-semistable degenerations, *J. Algebraic Geometry* 21(2012), 247-271.
93. (with G. Lehrer): Hodge-Deligne equivariant polynomials and monodromy of hyperplane arrangements, in: *Configuration Spaces, Geometry, Combinatorics and Topology*, Publications of Scuola Normale Superiore, vol. 14 (2012), 231-253.
94. Tate properties, polynomial-count varieties, and monodromy of hyperplane arrangements, *Nagoya Math. J.* 206 (2012), 75-97.
95. (with G. Sticlaru): Chebyshev curves, free resolutions and rational curve arrangements, *Math. Proc. Cambridge Phil. Soc.* 153 (2012), 385-397.
96. (with G. Sticlaru): On the syzygies and Alexander polynomials of nodal hypersurfaces, *Math. Nachrichten* 285 (2012), 2120-2128.
97. (with S. Papadima): Arithmetic group symmetry and finiteness properties of Torelli groups, *Ann. of Math.* 177(2013) 395-423.
98. Syzygies of Jacobian ideals and defects of linear systems, *Bull. Math. Soc. Sci. Math. Roumanie Tome* 56(104) No. 2 (2013), 191–203.
99. (with M. Saito): Weight filtration of the limit mixed Hodge structure at infinity for tame polynomials, *Math.Z.* 275 (2013), 293–306.
100. (with S. Papadima): Nonabelian cohomology jump loci from an analytic viewpoint, *Commun. Contem. Math.* 15, No. 5 (2013), 1350025 (47 pages), DOI: 10.1142/S0219199713500259.

101. (with M. Saito): Number of Jordan blocks of the maximal size for local monodromies, *Compositio Math.* 150(2014), 344-368.
102. (with M. Saito): Some remarks on limit mixed Hodge structure and spectrum, *An. St. Univ. Ovidius Constanta*, 22(2) (2014), 69-78.
103. (with R. Hain and S. Papadima): The abelianization of the Johnson kernel, *J. Eur. Math. Soc.* 16 (2014), 805–822.
104. (with E. Sernesi): Syzygies and logarithmic vector fields along plane curves, *Journal de l'École polytechnique-Mathématiques* 1(2014), 247-267.
105. (with G. Sticlaru): Koszul complexes and pole order filtrations, *Proc. Edinburg. Math. Soc.* 58(2015), 333–354.
106. (with G. Sticlaru): Hessian ideals of a homogeneous polynomial and generalized Tjurina algebras, *Documenta Math.* 20 (2015) 689–705.
107. Monodromy of triple point line arrangements, in: *Singularities in Geometry and Topology 2011*, Eds. V. Blanloeil, O. Saeki, *Adv. Studies in Pure Math.* 66 (2015), pp. 71-80, *Math. Society of Japan*.
108. (with S. Papadima and A. Suciuc): Algebraic models, Alexander-type invariants, and Green-Lazarsfeld sets, *Bull. Math. Soc. Sci. Math. Roumanie* 58(106), (2015), 257–269.
109. (with E. Artal Bartolo): On fundamental groups of plane curve complements, *Ann. Univ. Ferrara* 61(2015), 255-262.
110. On the topology of some quasi-projective surfaces, *Rev. Roumaine Math. Pures Appl.* 60 (2015), 321–330.
111. (with G. Sticlaru): Syzygies of Jacobian ideals and weighted homogeneous singularities, *Journal of Symbolic Computation* 74(2016), 627–634.
112. The Poincaré - Deligne polynomial of Milnor fibers of triple point line arrangements is combinatorially determined, *Canad. Math. Bull.* 59(2016), 279–286.
113. Freeness versus maximal degree of the singular subscheme for surfaces in P^3 , *Geom. Dedicata* 183(2016), 101–112.
114. (with D. Arapura and R. Hain): On the fundamental groups of normal varieties, *Commun. Contem. Math.* 18 (4)(2016), (17 pages), DOI:10.1142/S0219199715500650
115. (with D. Ibadula and D. A. Măcinic): Pencil type line arrangements of low degree: classification and monodromy, *Ann. Scuola Norm. Sup. Pisa, Vol. XV* (2016), 249–267.
116. (with G. Lehrer): Cohomology of the Milnor fiber of a hyperplane arrangement with symmetry, In: F. Callegaro et al. (eds.), *Configuration Spaces*, Springer INdAM Series 14, pp. 319-360, (2016).
117. (with D. Popescu): Hilbert series and Lefschetz properties of dimension one almost complete intersections, *Comm. Algebra* 44 (2016), 4467–4482.
118. Freeness versus maximal global Tjurina number for plane curves, *Math. Proc. Cambridge Phil. Soc.* 163 (2017), 161–172.
119. (with G. Sticlaru): Mixed multiplicities, Hilbert polynomials and homaloidal surfaces, *Math. Nachrichten* 290 (2017), 785–793.

120. (with G. Sticlaru): A computational approach to Milnor fiber cohomology, *Forum Math.* 29 (2017), 831–846.
121. (with G. Sticlaru): On the exponents of free and nearly free projective plane curves, *Rev. Mat. Complut.* 30(2017), 259–268.
122. On the syzygies and Hodge theory of nodal hypersurfaces, *Ann. Univ. Ferrara Sez. VII Sci. Mat.* 63 (2017), 87–101.
123. Jacobian syzygies, stable reflexive sheaves, and Torelli properties for projective hypersurfaces with isolated singularities, *Algebraic Geometry* 4(2017), 290–303.
124. Curve arrangements, pencils, and Jacobian syzygies, *Michigan Math. J.* 66 (2017), 347–365.
125. (with G. Sticlaru): Free divisors and rational cuspidal plane curves, *Math. Res. Lett.* 24(2017), 1023–1042.
126. (with M. Saito): Generalization of theorems of Griffiths and Steenbrink to hypersurfaces with ordinary double points, *Bull. Math. Soc. Sci. Math. Roumanie*, 60(108) (2017), 351–371.
127. (with G. Sticlaru): Free and nearly free curves vs. rational cuspidal plane curves, *Publ. RIMS Kyoto Univ.* 54 (2018), 163–179.
128. (with G. Sticlaru): Free and nearly free surfaces in P^3 , *Asian J. Math.* 22 (2018), 787–810.
129. Free and nearly free curves from conic pencils, *J. Korean Math. Soc.* 55 (2018), 705–717.
130. (with Takuro Abe): On the splitting types of bundles of logarithmic vector fields along plane curves, *Internat. J. Math.* 29 (2018), no. 8, 1850055, 20 pp.
131. (with G. Sticlaru): On the Milnor monodromy of the exceptional reflection arrangement of type G_{31} , *Documenta Math.* 23 (2018) 1–14.
132. (with Gert-Martin Greuel): On 1-forms on isolated complete intersection curve singularities, *Journal of Singularities*, 18 (2018), 114–118.
133. (with Pauline Bailet and Masahiko Yoshinaga): A vanishing result for the first twisted cohomology of affine varieties and applications to line arrangements, *Manuscripta Math.* 157 (2018), 497–511.
134. (avec G. Sticlaru): On the freeness of rational cuspidal plane curves, *Moscow Math. J.* 18(2018) 659–666.
135. (with G. Sticlaru): Computing the monodromy and pole order filtration on Milnor fiber cohomology of plane curves, *Journal of Symbolic Computation* 91(2019), 98–115.
136. (with D. Ibadula and D. A. Măcinic): Freeness for 13 lines arrangements is combinatorial, *Discrete Mathematics* 342 (2019), 2445–2453, doi.org/10.1016/j.disc.2019.05.016.
137. (with G. Sticlaru): Saturation of Jacobian ideals: some applications to nearly free curves, line arrangements and rational cuspidal plane curves, *J. Pure Appl. Algebra* 223 (2019), no. 12, 5055–5066. <https://doi.org/10.1016/j.jpaa.2019.03.009>
138. (with G. Sticlaru): Line and rational curve arrangements, and Walther’s inequality, *Rend. Lincei Mat. Appl.* 30 (2019), 615–633.

139. On the Milnor monodromy of the irreducible complex reflection arrangements, *J. Inst. Math. Jussieu* 18 (2019), 1215–1231.
140. (with G. Sticlaru): On supersolvable and nearly supersolvable line arrangements, *Journal of Algebraic Combinatorics* 50 (2019), 363–378. <https://doi.org/10.1007/s10801-018-0859-6>
141. On the minimal value of global Tjurina numbers for line arrangements, arXiv:1806.02275, *European J. Math.* <https://doi.org/10.1007/s40879-019-00373-0>
142. (with R. Gondim, G. Ilardi): Higher order Jacobians, Hessians and Milnor algebras, *Collectanea Mathematica* DOI: 10.1007/s13348-019-00266-1
143. (with G. Sticlaru): Plane curves with three syzygies, minimal Tjurina curves, and nearly cuspidal curves, *Geometriae Dedicata* 10.1007/s10711-019-00485-7
144. On rational cuspidal plane curves, and the local cohomology of Jacobian rings, arXiv:1707.05258, to appear in *Commentarii Mathematici Helvetici*.
145. (with D. Ibadula, A. Măcinic): Numerical invariants and moduli spaces for line arrangements, arXiv:1609.06551, *Osaka J. Math.* (to appear)
146. (with G. Sticlaru): Computing Milnor fiber monodromy for some projective hypersurfaces, arXiv:1703.07146, *Contemporary Mathematics* (to appear).
147. (with G. Sticlaru): Deformations of plane curves and Jacobian syzygies, arXiv:1808.05524, *Math. Nach.* (to appear)
148. (with G. Sticlaru): On the jumping lines of bundles of logarithmic vector fields along plane curves, arXiv: 1804.06349, to appear in *Publicacions Matemàtiques*.
149. (with L. Busé and G. Sticlaru): Freeness and invariants of rational plane curves, arXiv:1804.06194, *Mathematics of Computation* (to appear).

II. Preprints

1. (with M. Saito): Graded Koszul cohomology and spectrum of certain homogeneous polynomials, arXiv:1212.1081.
2. (with G. Sticlaru): Nearly free divisors and rational cuspidal curves, arXiv:1505.00666. (a preliminary version of [128], not to be published).
3. (with G. Sticlaru): Jacobian syzygies and plane curves with maximal global Tjurina numbers, arXiv: 1901.05915.
4. (with G. Sticlaru): Waring rank of symmetric tensors, and singularities of some projective hypersurfaces, arXiv: 1902.01351.
5. Versality, bounds of global Tjurina numbers and logarithmic vector fields along hypersurfaces with isolated singularities, arXiv:1904.00686.
6. (with G. Sticlaru): The 0-th Fitting ideal of the Jacobian module of a plane curve, arXiv: 1904.07823.
7. (with A. Cerminara, G. Ilardi): On the Hilbert vector of the Jacobian module of a plane curve, arXiv:1905.04055.
8. (with T. Abe): On complex supersolvable line arrangements, arXiv: 1907.12497.
9. (with T. Abe and G. Sticlaru): Addition-deletion results for the minimal degree of logarithmic derivations of arrangements, arXiv:1908.06885.

10. (with L. Busé and G. Sticlaru): The Hessian polynomial and the Jacobian ideal of a reduced homogeneous polynomial, arXiv:1910.09195.
11. Unexpected curves in \mathbb{P}^2 , line arrangements, and minimal degree of Jacobian relations, arXiv:1911.07703.

III. Monographies

1. Topics on Real and Complex Singularities, Vieweg Advanced Lecture in Mathematics, Friedr. Vieweg und Sohn, Braunschweig, 1987, 242+xvii pp.
2. Singularities and Topology of Hypersurfaces, Universitext, Springer Verlag, New York, 1992, 263+xvi pp.
3. Sheaves in Topology, Universitext, Springer-Verlag, 2004, 236+xvi pages.
4. Hyperplane Arrangements: An Introduction, Universitext, Springer-Verlag, 2017, 192+viii pages.

All unpublished papers are available on the arXives math.AG or math.AT.