

# Publications

## Books

1. C. Ionescu - *Algebraic equations* - Ovidius Univ. Press, Constanța, 2005.
2. C. Ionescu - *Classes of good noetherian rings* - Frontiers in Mathematics, Birkhäuser/Springer Nature, 2023.

## Papers

1. A. Brezuleanu, C. Ionescu - *On the localization theorems and the completion of  $\mathbf{P}$ -rings* - Rev. Roumaine Math. Pures Appl., XXIX(1984), 371-380.
2. C. Ionescu - *Three-dimensional local rings whose formal fibers are geometrically normal but not geometrically regular* - Rev. Roumaine Math. Pures Appl., XXX(1985), 265-267.
3. C. Ionescu - *About  $R_n$ -morphisms* - An. Șt. Univ. Al. I. Cuza Iași Mat., 31(supl.)(1985), 28-29.
4. C. Ionescu - *Sur les anneaux aux fibres formelles géométriquement régulières en codimension  $n$*  - Rev. Roumaine Math. Pures Appl., XXXI(1986), 599-603.
5. C. Ionescu - *Homological codimension* - Seminar in Algebra, Cohen-Macaulay rings and modules, Univ. Iași, 1986, 2.1-2.7.
6. A. Brezuleanu, C. Ionescu - *The Cohen-Macaulay locus of a noetherian ring* - Seminar in Algebra, Cohen-Macaulay rings and modules, Univ. Iași, 1986, 10.1-10.8.
7. A. Brezuleanu, C. Ionescu - *Good Noetherian rings* - Proc. Nat. Conf. Algebra, Timișoara, 1986, 1-4.
8. C. Ionescu - *On  $\mathbf{P}$ -morphisms and openness of loci* - Stud. Cerc. Mat., 39(1987), 116-124.
9. C. Ionescu - *Finiteness of the integral closure of a noetherian ring* - Rend. Sem. Matem. Univers. Politecn. Torino, 47(1989), 153-162.
10. C. Ionescu - *Lifting theorems for japanese rings* - Commut. Alg. Combinatorics, Nagoya, 1990.

11. C. Ionescu - *Some remarks on japanese rings* - An. Univ. București, 60(1991), 55-58.
12. C. Ionescu - *Reduced morphisms and Nagata rings* - Arch. Math., 60(1993), 334-338.
13. C. Ionescu - *Hochschild homology of a topological algebra and formal smoothness* - Comm. Algebra, 22(1994), 4801-4805.
14. C. Ionescu, G. Restuccia - *Remarks on normal morphisms* - Rend. Sem. Mat. Messina, Serie II, 4(1996/97), 77-81.
15. C. Ionescu, G. Restuccia - *q-torsion freeness of symmetric powers* - Rend. Circ. Mat. Palermo, 46(1997), 329-346.
16. C. Ionescu - *Theorems of Green, Macaulay and Gotzmann* - Combinatorics in Algebra and Geometry, Eforie - Nord, Constanța, 15-21 September 1998, 15-21.
17. M. Crupi, C. Ionescu - *A note on derivations in rings of positive characteristic* - Rev. Roumaine Math. Pures Appl., XLV(2000), 931-937.
18. C. Ionescu - *F-rational rings and flat morphisms* - Tight closure and applications, Eforie - Nord, Constanța, 15-20 september 2000.
19. C. Ionescu, G. Restuccia - *A note on  $\mathbf{P}$ -morphisms* - Math. Reports, 3(2001), 169-175.
20. C. Ionescu - *Hochschild (co)-homology in commutative algebra. A survey* - An. Științ. Univ. "Ovidius" Ser. Math., 9(2001), 87-96.
21. C. Ionescu - *Torsion in tensor powers and flatness* - Commutative Algebra, Singularities and Computer Algebra, J. Herzog, V. Vuletescu(eds.), Proc. NATO Adv. Res. Workshop, Sinaia 2002, NATO Science Series II - Mathematics, Physics and Chemistry, 115(2003), 191-196.
22. C. Ionescu, G. Restuccia, R. Utano - *Fitting conditions for symmetric algebras of modules of finite projective dimension*, Boll. U.M.I., 10(2007), 681-696.
23. C. Ionescu - *Cohen-Macaulay fibres of a morphism*, Atti Accad. Peloritana Pericolanti, LXXXVI(2008), 1-9.
24. C. Ionescu, G. Rinaldo - *Some algebraic invariants of mixed product ideals*, Arch. Math., 91(2008), 20-30.
25. T. Dumitrescu, C. Ionescu - *Some applications of André-Quillen homology to classes of arithmetic rings*, Comm. Algebra, 36(2008), 299-308.
26. C. Ionescu - *A note on smoothness and differential bases in positive characteristic*, Bull. Math. Soc. Sci. Math. Roumanie, 52(2009), 421-426.
27. C. Ionescu - *Smoothness and differentials in positive characteristic*, Rend. Circ. Mat. Palermo, 58(2009), 45-50.

28. C. Ionescu - *On the vanishing of the first André-Quillen homology module*, Algebra Colloq., 16(2009), 593-602.
29. T. Dumitrescu, C. Ionescu - *Regularity and finite injective dimension in characteristic  $p > 0$* , Studia Sci. Math. Hungar., 47(2010), 108-112.
30. T. Dumitrescu, C. Ionescu - *Some examples of two-dimensional regular rings*, Bull. Math. Soc. Sci. Math. Roumanie, 57(2014), 271-277.
31. C. Ionescu - *More properties of almost Cohen-Macaulay rings*, J. Commut. Algebra, 7(2015), 363-372.
32. C. Ionescu - *Flat local ring morphisms with prescribed depth and dimension*, An. Ştiinţ. Univ. "Ovidius" Ser. Math., XXIV(2016), 217-220.
33. C. Ionescu, S. Tabejamaat - *Tensor products and direct limits of almost Cohen-Macaulay modules*, J. Algebra Appl., 17(2018), 1850221.
34. C. Ionescu - *Finite generation of André-Quillen (co-)homology of  $F$ -finite algebras*, Comm. Algebra, 49(2021), 1548-1552.
35. T. Dumitrescu, C. Ionescu - *A locally  $F$ -finite Noetherian domain that is not  $F$ -finite*, J. Commut. Algebra 14(2022), 177-180.