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Education

- 1972-1976: *University of Bucharest*, Faculty of Mathematics
- 1976-1977: *University of Bucharest*, Master of Science
- 1985-1991: *University of Bucharest*, PhD program
- 1991: PhD Thesis, supervisor Prof. Dr. **N. Radu**

Positions

- 1977-1983: *Institute for Electrical Engineering*, Bucharest
- 1983-1990: *Institute of Mathematics of the University of Bucharest* -
Researcher
- 1990-present: [Institute of Mathematics of the Romanian Academy](#)
- 1991: Senior Researcher III
- 1997: Senior Researcher II

Teaching activity

- 1985-present: *University of Bucharest*, courses and seminars in *General Algebra* and *Commutative Algebra*
- 1997-2005: *Ovidius University*, Constantza

Research interests

- *Algebra*, especially *Commutative Algebra* and *Homological Algebra*

Other informations

- Member of the [Society of the Romanian Mathematicians](#)
- Member of the [American Mathematical Society](#)
- Reviewer at *Zentralblatt für Mathematik* and at *Mathematical Reviews*

[List of publications](#)

Books

1. **C. Ionescu.** *Algebraic equations* (in romanian), Ovidius Univ. Press, Constantza, 2005.

Papers

2. **A. Brezuleanu, C. Ionescu.** *On the localization theorems and the completion of \mathbf{P} -rings*, Revue Roumaine Math. Pures Appl., 29, 1984, 371-380.
3. **C. Ionescu.** *Three-dimensional local rings whose formal fibres are geometrically normal but not geometrically regular*, Revue Roumaine Math. Pures Appl., 30, 1985, 265-267.
4. **C. Ionescu.** *Sur les anneaux aux fibres formelles géométriquement régulières en codimension n* , Revue Roumaine Math. Pures Appl., 31, 1986, 599-603.
5. **A. Brezuleanu, C. Ionescu.** *Good Noetherian rings*, Proc. Nat. Conf. Algebra, Timisoara, 1986, 1-4.
6. **C. Ionescu.** *About R_n -morphisms*, An. St. Univ. Iasi, 31 (supl.), 1985, 28-29.
7. **C. Ionescu.** *On \mathbf{P} -morphisms and openness of loci*, Studii Cerc. Mat., 39, 1987, 116-124.
8. **C. Ionescu.** *Homological codimension*, in Seminar in Algebra. Cohen-Macaulay rings and modules, Univ. Iasi, 1986, 2.1-2.7.
9. **A. Brezuleanu, C. Ionescu.** *The Cohen-Macaulay locus of a noetherian ring*, in Seminar in Algebra. Cohen-Macaulay rings and modules, Univ. Iasi, 1986, 10.1-10.8.
10. **C. Ionescu.** *Lifting theorems for japanese rings*, Commutative Algebra and Combinatorics, Nagoya, 1990.
11. **C. Ionescu.** *Finiteness of the integral closure of a noetherian ring*, Rend. Sem. Matem. Univers. Politecn. Torino, 47, 1989, 153-162.
12. **C. Ionescu.** *Some remarks on japanese rings*, An. Univ. Bucuresti, 60, 1991, 55-58.
13. **C. Ionescu.** *Reduced morphisms and Nagata rings*, Arch. Math., 60, 1993, 334-338.
14. **C. Ionescu.** *Hochschild homology of a topological algebra and formal smoothness*, Comm. Algebra, 22, 1994, 4801-4805.
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*, in Combinatorics in Algebra and Geometry, Constantza, September 15-21, 1998, 53-64.

17. **C. Ionescu, G. Restuccia.** *Remarks on normal morphisms*, Rend. Sem. Mat. Messina, Serie II, 4, 1996-1997, 77-81.
18. **M. Crupi, C. Ionescu.** *A note on derivations in rings of positive characteristic*, Revue Roumaine Math. Pures Appl., XLV, 2000, 931-937.
19. **C. Ionescu, G. Restuccia.** *A note on P-morphisms*, Math. Reports, 3, 2001, 169-175.
20. **C. Ionescu.** *Hochschild (co)homology in commutative algebra. A survey*, An. St. Univ. Ovidius Constanta, 9, 2001, 87-96.
21. **C. Ionescu.** *Torsion in tensor powers and flatness*, in Commutative Algebra, Singularities and Computer Algebra, J. Herzog, V. Vuletescu(eds.), Proc. NATO Adv. Res. Workshop, Sinaia, 17-22 september 2002, NATO Science Series: II-Mathematics, Physics and Chemistry, 115, 2003, 191-196.
22. **C. Ionescu.** *Smoothness and differentials in positive characteristic*. Preprint IMAR, 7, 2005.(submitted)
23. **C. Ionescu.** *Cohen Macaulay fibres of a morphism*, Atti Accad. Peloritana Pericolanti, LXXXVI, 2008, 1-9.
24. **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.
25. **C. Ionescu.** *On the vanishing of the first André-Quillen homology*, Alg. Colloq., (to appear).
26. **T. Dumitrescu, C. Ionescu.** *Some applications of André-Quillen homology to classes of arithmetic rings*, Comm. Algebra, 36, 2008, 299-308.
27. **T. Dumitrescu, C. Ionescu.** *Regularity and finite injective dimension in characteristic $p > 0$* (submitted).
28. **C. Ionescu, G. Rinaldo.** *Some algebraic invariants of mixed product ideals*, Arch. Math.,(to appear).