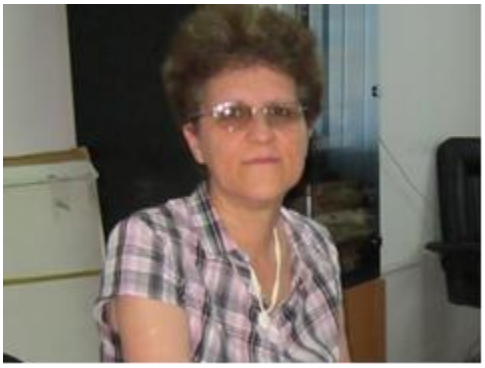
Curriculum Vitae

Viviana Ene



Personal data

Family name: Ene

First name: Viviana

Date of birth: October 31, 1960

Place of birth: Constanta, Romania

Current employment: Professor at Faculty of Mathematics and Computer Science, Ovidius University, Constanta, Romania

PhD adviser at Faculty of Mathematics and Computer Science, Bucharest University

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Previous Employment

Name of University	Location	Position	Period
Faculty of Mathematics and Computer Science, Ovidius University of Constanta	Constanta Romania	Professor	2009 -
Faculty of Mathematics and Computer Science, Ovidius University of Constanta	Constanta Romania	Associate professor	2002 - 2009
Faculty of Mathematics and Computer Science, Ovidius University of Constanta	Constanta Romania	Lecturer	1994 -2002
Faculty of Mathematics and Computer Science, Ovidius University of Constanta	Constanta Romania	Assistant professor	1992 - 1994
High School, Constanta	Constanta Romania	Teacher of mathematics	1983-1992

Higher Education

Name of University	Location	Degree	Field	Completion Date(Month/Year)
University of Bucharest	Bucharest, Romania	Doctor in Mathematics	Mathematics/Algebra	May/1998
University of Bucharest	Bucharest, Romania	Diploma in Mathematics	Mathematics	June/1983

Title of the PhD thesis: ***Indecomposable modules over local rings***

PhD adviser: Prof. dr. Dorin Popescu, Bucharest University

Research interests: Combinatorial Commutative Algebra (monomial and binomial ideals, toric algebras and combinatorics of affine semigroups, Cohen-Macaulay posets, graphs, and simplicial complexes), homological methods in Commutative Algebra (free resolutions, Betti numbers, regularity, Cohen-Macaulay modules), Groebner basis theory and applications.

Awards: The prize Gh. Lazar of the Romanian Academy, 2017

List of publications

Books:

V. Ene, J. Herzog, *Groebner bases in Commutative Algebra*, Graduate Studies in Mathematics 130, American Mathematical Society, Providence, RI, 2012, 164 pp.

Coeditor:

V. Ene, E. Miller, *Combinatorial Commutative Algebra and Computer Algebra*, Proceedings of an Exploratory Workshop on Combinatorial Commutative Algebra and Computer Algebra held in Mangalia, Romania, May 29-31, 2008. Contemporary Mathematics, vol. 502, American Mathematical Society, Providence, RI, 2009. vii+184pp.

V. Ene, E. Miller, *Multigraded Algebra and Applications*: NSA 24, Moieciu de Sus, Romania, Springer Proceedings in Mathematics & Statistics vol. 238, Springer, New York, 2018. (xi + 167 pages)

Papers:

V. Ene, J. Herzog, A. Qureshi, *t-spread strongly stable monomial ideals,* to appear in Comm. Algebra

C. Andrei, V. Ene, B. Lajmiri, *Powers of t-spread principal Borel ideals*, Arch. Math. **112** (2019) , 587-597.

H. Baskoroputro, V. Ene, C. Ion, *Koszul binomial edge ideals of pairs of graphs*, J. Algebra 515 (2018), 344-359.

V. Ene, J. Herzog, D. Stamate, *Anticanonical modules of Segre products*, Bull. Math. Soc. Sci. Math. Roumanie Tome 60 (108) no.4 (2017), 373—386.

V. Ene, J. Herzog, S. Saeedi Madani, *A note on the regularity of Hibi rings*, Manuscripta Math. 148 no. 3-4 (2015), 501-506.

V. Ene, J. Herzog, T. Hibi, *Linear flags and Koszul filtrations,* Kyoto J. Math. 55 (2015) no.3, 517-530.

V. Ene, J. Herzog, T. Hibi, *Linearly related polyominoes,* J. Algebraic Combin. 41 (2015), 949-968.

V. Ene, J. Herzog, T. Hibi, S. Saeedi Madani, *Pseudo-Gorenstein and level Hibi rings*, J. Algebra, 431 (2015), 138-161.

V. Ene, *Syzygies of Hibi rings*, Acta Math. Vietnam., special volume dedicated to the 60th birthday of Professor N. V. Trung. 40 (2015) no. 3, 403-446.

F. Chaudhry, A. Dokuyucu, V. Ene *Binomial edge ideals and rational normal scrolls*, Bull. Iranian Math. Soc. 41 (2015), no. 4, 971–979.

V. Ene, A. Zarojanu, *On the regularity of binomial edge ideals*, Math. Nachr. 288 (1) (2015), 19-24.

V. Ene, J. Herzog, T. Hibi, A. A. Qureshi, *The binomial edge ideal of a pair of graphs,* Nagoya Math. J. 213 (2014), 105-125.

V. Ene, A. A. Qureshi, A. Rauf, *Regularity of join-meet ideals of distributive lattices*, Electron J. Combin. 20 (3) (2013) #P20.

V. Ene, T. Hibi, *The join-meet ideal of a finite lattice*, J. Commut. Algebra 5(2) (2013), 209-230.

V. Ene, A. A. Qureshi, *Ideals generated by diagonal 2-minors,* Comm. Algebra 41(8) (2013), 3058-3066.

V. Ene, R. Okazaki, *On the radical of multigraded modules,* J. Algebra 388 (2013), 10-21.

V. Ene, J. Herzog, T. Hibi, F. Mohammadi, *Determinantal facet ideals,* Michigan Math. J. 62 (2013), 39 – 57.

A. Aslam, V. Ene, *Simplicial complexes with rigid depth*, Arch. Math. 99 (4) (2012), 315-325.

V. Ene, A. Olteanu, *Powers of lexsegment ideals with linear resolutions*, Illinois J. Math., 56(2) (2012), 533-549.

V. Ene, J. Herzog, F. Mohammadi, *Monomial ideals and toric rings of Hibi type arising from a finite poset*, European J. Combin. 32 (2011), no. 3, 404–421.

V. Ene, J. Herzog, T. Hibi, *Cohen-Macaulay binomial edge ideals*, Nagoya Math. J. 204, (2011), 57-68.

V. Ene, O. Olteanu, N. Terai, *Arithmetical rank of lexsegment edge ideals*, Bull. Math. Soc. Sci. Math. Roumanie (N.S.) 53 (101) (2010), no. 4, 315–327.

V. Ene. A Olteanu, L. Sorrenti, *Properties of lexsegment ideals,* Osaka J. Math. 47 (2010), 67 -87.

V. Ene, D. Popescu, *On the structure of Maximal Cohen-Macaulay modules over the ring* $k[[x,y]]/(x^n)$, Algebr. Represent. Theory, 11 (2) (2008), 191-205.

C. Baciu,V. Ene, G. Pfister, D. Popescu *Rank two maximal Cohen-Macaulay modules over singularities of type* $x_1^3+x_2^3+x_3^3+x_4^3$, J. Algebra, 292(2) (2005), 447-491.

V. Ene, G. Pfister, D. Popescu, *Betti numbers for p-stable ideals*, Comm. Algebra, 28(3) (2000), 1515-1531.

V. Ene, D. Popescu, *Steps in the classification of the Cohen-Macaulay modules over singularities of type* $x^t + y^3$, Algebr. Represent. Theory, 2 (1999), no.2, 137- 175.

V. Ene, *Infinitesimal deformations of modules over* $k[[x]]/(x^t)$, Comm. Algebra, 26(3) (1998), 825-838.

Papers in proceedings

V. Ene, J. Herzog, T. Hibi, *Koszul binomial edge ideals*, Bridging Algebra, Geometry, and Topology, Springer Proceedings in Mathematics & Statistics, 96, D. Ibadula, W. Veys (Eds.) Springer, 2014, 127-138.

V. Bonanzinga, V. Ene, A. Olteanu, L. Sorrenti, *An overview on the minimal free resolutions of lexsegment ideals,* Contemporary Mathematics, vol. 502, American Mathematical Society, Providence, RI, 2009, 5 -24 (V. Ene, E. Miller, Eds).

V. Ene, D. Popescu, *Lifting an Ideal from a Tight Sequence and Maximal Cohen-Macaulay Modules,* Computational Commutative and Non-Commutative Algebraic Geometry (Eds. S. Cojocaru, G. Pfister, V. Ufnarovski), NATO Sci. Ser. III Comput. Syst. Sci., 196, IOS, Amsterdam, 2005, 90-103.

V. Ene, D. Popescu, *Rank one Maximal Cohen-Macaulay modules over singularities of type* $Y_1^3+Y_2^3+Y_3^3+Y_4^3$, Commutative Algebra, Singularities and Computer Algebra, Edited by J. Herzog and V. Vuletescu, NATO Sci. Ser. II, Math. Phys. Chem. 115, 2003, Kluwer Acad. Publ., Dordecht, 141-157.

June 2019 Prof. dr. Viviana Ene