

CURRICULUM VITAE

Name: Fotea Violeta-Elena

Born: 28/02/1970, Roman, Neamț County, Romania

Education: Faculty of Mathematics, „Al. I. Cuza” University of Iași, Romania

Date of graduation: June 1993

Marital status: married; **Previous name:** Leoreanu

Current position: Professor at the Faculty of Mathematics, „Al. I. Cuza” University of Iași

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Known foreign languages: Italian, English, French, Spanish

Scientific titles: Ph.D in Mathematics, Algebra, 1999, „Babeș Bolyai” University of Cluj-Napoca;

Title od the doctoral thesis: *Contributions to the study of the heart of a hypergroup* (Scientific coordinator: Professor Ioan Purdea, Ph.D)

Awards: Grigore Moisil Award of Romanian Academy, 2011

Courses taught: Linear Algebra, Logic and Elements of Set Theory, Fundamental Algebraic Structures, Ring Arithmetic and Module Theory, Introduction to Commutative Algebra, Theory of Algebraic Equations, Algebraic Complements, Mathematical Complements, Algebraic Hyperstructures and Applications.

Research fields: Algebraic hyperstructures, Fuzzy and rough sets, Category theory.

Member of the Editorial Board of the following journals:

1. "Italian Journal of Pure and Applied Mathematics"- Forum Editrice, Udine, ITALY
2. "Advances in Fuzzy Mathematics (AFM)" Research India Publications, Delhi-110085 INDIA
3. "Set-valued Mathematics and Applications", Global Research Publications, Darya Ganj, New Delhi 110002, INDIA
4. "Fuzzy Sets, Rough Sets and Multivalued Operations", International Sciences Press, INDIA
5. "Journal of Basic Science of University of Mazandaran", Mazandaran, IRAN
6. "European Journal of Pure and Applied Mathematics", TURKEY

Referent of the following ISI journals:

- Journal of Intelligent & Fuzzy Systems, ISSN 1064-1246;
- International Journal of General Systems, ISSN: 0308-1079;
- Acta Mathematica Sinica,-English Series, ISSN 1439-8516;
- Soft Computing, ISSN: 1432-7643
- Information Sciences, ISSN: 0020-0255
- Computers and Mathematics with Applications, ISSN: 0898-1221
- Journal of Multiple-valued Logic and Soft Computing, ISSN: 1542-3980;
- Iranian Journal of Fuzzy Systems, ISSN: 1735-0654;
- European Journal of Combinatorics, ISSN: 0195-6698;
- Fuzzy Optimization and Decision Making, ISSN: 1568-4539;
- Balkan Journal of Geometry and its Applications, ISSN: 1224-2780;
- Iranian Journal of Science and Technology -Transaction B, ISSN 1028-6284;
- International Journal of Computers Mathematics, ISSN: 0020-7160;
- Mathematical Logic Quarterly, ISSN 0942-5616;

Scientific communications at the following algebra congresses or seminars:

- ROMANIA :
 - Iași -5th Congress of Algebraic Hyperstructures and Applications, June, 1993; International Algebra Conference, October, 1998; Symposium on Mathematics applied in Biology & Biophysics, May 2003, 2004, 2005; The 14 AHA conference, June 22-25, 2020 (organizer)
 - Cluj Napoca - Prezentarea tezei de doctorat, Noiembrie 1998;
 - Timișoara - Symposium of Mathematics and its Applications, November 1995, 1997, 1999, 2001;
 - Ef. Nord - Algebra Workshop: Grobner Bases and Applications, September 1999 ;
 - Bistrița - VIIth Conference of Roumanian Society of Mathematical Science, May 2003.
- ITALIA:
 - Udine - Visiting Prof. at Udine University, 2000, 2002;
 - Palermo - Combinatorics (G.N.S.A.G.A. of C.N.R.), June 1998;
 - Pescara - Hyperstructures and their applications in Criptography, Geometry and Probability, September-October, 1995; Fuzzy sets, multivalued operations and applications to social sciences, November 2007;
 - Messina - Invited Professor at Messina University, May 1995;
 - Taormina - 7th Congress of Algebraic Hyperstructures and Applications, June, 1999;

- Siena - *Convegno di Algebra e Informatica Teorica*, PU.M.A., June 2001; *Convegno di Algebra ed Altra Matematica*, dedicated to Jeno Szep, February 2005;
 - Pugnochiuso - *Funzioni speciali e applicazioni*, July, 1998.
- UNGARIA :
 - Budapest - *Pannonian Applied Mathematics Meeting*, January 1997
- REPUBLICA CEHĀ:
 - Prague 6th *Congress of Algebraic Hyperstructures and Applications*, September 1996; *Invited Prof.* at Carlov University, January 1994, *Seminar on Binary systems and their Applications*, November 2005
 - Brno 10th *Congress of Algebraic Hyperstructures and Applications*, September 2008 (Invited Speaker).
- CANADA :
 - Montreal - *Invited Prof.* at Université de Montreal, October 2000, *Visiting Prof.* at Montreal University, October 2003, April-May 2006.
- GRECIA :
 - Patras - 4th *Panhellenic Conference on Algebra and Number Theory*, May-June 2002;
 - Samothraki - 8th *Congress of Algebraic Hyperstructures and Applications*, September, 2002 (Invited Speaker);
 - Xanthi - 12th Congress of Algebraic Hyperstructures and Applications, September, 2014 (Invited Speaker).
- TAILANDA :
 - Bangkok - *Invited Prof.* at Chulalongkorn University, October 2001, May 2004, September 2007; *International Conference on Algebra and Related Topics*, May 2008;
 - Chiang Mai: *Invited Prof.* at Chiang Mai University, Department of Math, Faculty of Science, May, 2004.
- CHINA:
 - Hong Kong - *ICM Satellite Conference in Algebra and Related Topics*, Chinese University of Hong Kong, August, 2002;
 - Kunming - *Invited Prof.* at Yunnan University and Yunnan Universities of Nationalities, May 2004, July 2005, May 2008;
 - Chongqing - *International Conference in Discrete Mathematics with application to Information Science and Related topics*, October 2004.; *Invited Prof.* at Southwest University of Chongqing, July 2010
- IRAN:
 - Babolsar - 9th *Congress of Algebraic Hyperstructures and Applications*, September, 2005 (Invited Speaker);
 - Yazd - 36th *Annual Iranian Mathematics Conference*, September 2005 (Invited Speaker).
- SPANIA:
 - Malaga - *Invited Professor* at University of Malaga, 2012
- TURCIA:

- Istanbul, Yildiz Technik University, April, 2013.

Author of over 100 scientific papers and 7 books:

1. V. Leoreanu, *Fundamente de Algebră - Teorie și Exerciții*, (Romanian), Ed. Matrix, 2001, ISBN 973-685-336-5, 273 pag
2. V. Tamas, V. Leoreanu, *Curs de Aritmetică*, (Romanian), Ed. Matrix, 2002, ISBN 973- 685- 440- X, 166 pag
3. P. Corsini, V. Leoreanu, *Applications of Hyperstructure Theory*, Kluwer Academic Publishers, Advances in Mathematics, vol.5, 2003, ISBN 1-4020-1222-5, 336 pag
4. V. Leoreanu, Gh. Radu, *Prolegomena of Categories and Homological Algebra*, Matrix Rom, 2007, ISBN 978-973-755-235-8, 429 pag
5. B. Davvaz, V. Leoreanu Fotea, *Hyperring Theory and Applications*, Hadronic Press, 2008, ISBN 1-57485-064-4, 336 pag
6. V. Leoreanu-Fotea, *Teoria lui Galois, Teorie si exercitii*, Ed Al Myller, 2016
7. V. Leoreanu-Fotea, *Introducere in Teoria Categoriilor si Algebre universale*, Ed Al Myller, 2016

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