

CURRICULUM VITAE

Nume: Fotea Violeta-Elena

Data și locul nașterii: 28/02/1970, Roman, jud. Neamț

Studii: Facultatea de Matematică, Universitatea „Al. I. Cuza” Iași

Data absolvirii: iunie 1993

Starea civilă: căsătorită; **Numele anterior:** Leoreanu

Poziția actuală: Profesor la Facultatea de Matematică, Universitatea „Al. I. Cuza” Iași

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Limbi străine cunoscute: italiană, engleză, franceză

Titluri științifice: Doctor in Matematică, Specializarea Algebră, 1999, Universitatea „Babeș Bolyai” Cluj-Napoca; **Titlul lucrării de doctorat:** *Contribuții la studiul inimii unui hipergrup* (Coordonator științific: Prof. dr. Ioan Purdea)

Premii: Premiul Grigore Moisil al Academiei Romane, 2011

Cursuri predate: Algebră liniară, Logică și elemente de teoria mulțimilor, Structuri algebrice fundamentale, Aritmetică în inele și teoria modulelor, Introducere în algebra comutativă, Teoria ecuațiilor algebrice, Complemente de algebră, Complemente de matematică, Hiperstructuri algebrice și aplicații.

Domenii de cercetare: Hiperstructuri algebrice, Mulțimi fuzzy și rough, Teoria categoriilor.

Membru în Comitetul Editorial al următoarelor jurnale:

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 al următoarelor jurnale ISI:

- 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 Quaterly, ISSN 0942-5616;
- Analele Științifice ale Universității „Al.I.Cuza” Iași, ISSN 1221-8421.

Comunicări științifice la următoarele congrese sau seminarii de algebră:

- 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;
 - Cluj Napoca – *Prezentarea tezei de doctorat*, Noiembrie 1998;
 - Timișoara - *Symposium of Mathematics and its Applications*, Noiembrie 1995, 1997, 1999, 2001;
 - Ef. Nord - *Algebra Workshop: Grobner Bases and Applications*, Septembrie 1999 ;
 - Bistrița – *VIIth Conference of Roumanian Society of Mathematical Science*, Mai 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*, in onore di Jenő Szep, February 2005;
 - Pugnuchiuso - *Funzioni speciali e applicazioni*, July, 1998.
- UNGARIA :
 - Budapest - *Pannonian Applied Mathematics Meeting*, January 1997
- REPUBLICA CEHĂ:
 - Prague *6th Congress of Algebraic Hyperstructures and Applications*, September 1996; *Invited Prof.* at Carlový Univ., 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* ala University of Malaga, 2012
- TURCIA:
 - Istanbul, Yildiz Teknik University, April, 2013.

Autoare a aproximativ 100 de lucrari stiintifice si 5 carti:

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

<https://scholar.google.ro/citations?hl=ro&user=WbM43sEAAAAJ>