

<b>Contact</b>	<p>Facultatea de Matematica si Informatica, Universitatea din Bucuresti          Str. Academiei 14, 010014 Bucuresti 1, Romania  <i>E-mail:</i> gigel.militaru@gmail.com, gigel.militaru@fmi.unibuc.ro  <i>Researcher-Id:</i> <a href="http://www.researcherid.com/rid/B-8090-2011">http://www.researcherid.com/rid/B-8090-2011</a>  <i>Telefon:</i> 0744 703 007</p>
<b>Educație</b>	<p>1994 Doctor in Matematica, Universitatea din Bucuresti; Titlul tezei: <i>Transfer de proprietati in algebra necomutativa si aplicatii la teoria inelelor graduate</i>. Coordonator stiintific: prof. dr. Constantin Nastasescu</p> <p>1989 - 1990 An de specializare <i>Algebra si Geometrie</i>, Universitatea din Bucuresti</p> <p>1985 – 1989 Studii de licenta, Universitatea din Bucuresti</p>
<b>Experiență academică</b>	<p>2002 - prezent Profesor, Departamentul de Matematica, Facultatea de Matematica si Informatica, Universitatea din Bucuresti</p> <p>1999 – 2002 Conferentiar, acelasi departament</p> <p>1996 – 1999 Lector, acelasi departament</p> <p>1994 – 1996 Asistent, acelasi departament</p> <p>1991 – 1994 Preparator, acelasi departament</p>
<b>Domenii de competență</b>	<p>Algebre Hopf si grupuri cuantice, algebra necomutativa, teoria categoriilor, teoria grupurilor, algebre neasociative (Lie/Leibniz/Poisson)</p>
<b>Publicații</b>	<p>(Co)Autor a 55 de articole publicate/acceptate, din care 49 publicate in reviste cotate ISI Web of Science; 30 de articole publicate in reviste cu factor de impact &gt; 0.5</p> <p>Citat in peste 565 de lucrari in strainatate (peste 280 citari in articole publicate in reviste cotate ISI); sunt citat de peste 200 de matematicieni</p> <p>Indicele Hirsch = 10, calculat de ISI Web of Science (<a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>)</p> <p>Profil pe MathSciNet – Citari dupa anul 2000: 400 (<a href="http://www.ams.org">www.ams.org</a>)</p> <p>Profil pe Google Scholar – citari: 947, h-index: 15 (<a href="http://scholar.google.ro">http://scholar.google.ro</a>)</p>
<b>Lucrari reprezentative</b>	<p>Frobenius and separable functors for generalized module categories and nonlinear equation, <i>Springer Lecture Notes in Mathematics</i>, Vol. 1787 (2002), 354 pg. (cu S. Caenepeel si S. Zhu) <b>Impact: 123 citari</b></p> <p>Separable functors for the category of Doi-Hopf modules. Applications, <i>Advances in Mathematics</i>, 145(1999), 239-290 (cu S. Caenepeel, Bogdan Ion, S. Zhu) <b>Impact: 24 citari</b></p> <p>Doi-Hopf modules, Yetter-Drinfel'd modules and Frobenius type properties, <i>Trans. Amer. Math. Soc.</i> 349(1997), 4311-4342 (cu S. Caenepeel, S. Zhu) <b>Impact: 28 citari</b></p>

Crossed modules and Doi-Hopf modules, *Israel Journal of Mathematics*, 100(1997), 221-247 (cu S. Caenepeel, S. Zhu) **Impact: 40 citari**

The structure of Frobenius algebras and separable algebras, *K-Theory*, 19(2000), 365-402 (cu S. Caenepeel si Bogdan Ion) **Impact: 11 citari**

Heisenberg double, pentagon equation, structure and classification of finite dimensional Hopf algebras, *Journal of the London Mathematical Society*, 69 (2004), 44-64 **Impact: 7 citari**

The factorization problem and the smash biproduct of algebras and coalgebras, *Algebras and Representation Theory*, 3(2000), 19-42 (cu S. Caenepeel, Bogdan Ion, S. Zhu) **Impact: 48 citari**

Bialgebroids, x-bialgebras and duality, *Journal of Algebra*, 251(2002), 279-294, (cu T. Brzezinski) **Impact: 58 citari**

• **Articole recente relevante:**

Extending structures for Lie algebras, *Monatshefte für Mathematik*, 174(2014), 169-193 (cu A.L. Agore) **Impact: 2 citari**

Classifying complements for groups. Applications, *Annales Institut Fourier*, 65(2015), 1349 - 1365 (cu A.L. Agore)

Jacobi and Poisson algebras, 40 pg. in press in *J. Noncommutative Geometry*, Online first: <http://www.ems-ph.org/journals/forthcoming.php?jrn=jncg> (cu A.L. Agore) **Impact: 2 citari**

**Premii** "IN HOC SIGNO VINCES" - acordat prin concurs de CNCSIS in 2003 la Sectiunea Matematica si Stiintele Naturii

**Editor** *International Scholarly Research Notices*, 2011 - prezent;  
*Algebra*, 2012 - prezent;  
*Journal for Algebra and Number Theory Academia*, 2012 - prezent  
*Scientific World Journal*, 2013 - prezent

**Referent** Referent pentru numeroase reviste ca: Proc. AMS, Comm. Math. Physics, Is. J. Math., J. Algebra, J. Pure App. Algebra, J. Algebra App., Comm. in Algebra, etc.

**Indrumator** Doctoranzi coordonati: Ana Agore (2010-2012, cu Stefaan Caenepeel la VUB); Costel Bontea (2011-2014, demisionat in 2014 pentru doctorat in USA)

Cercetatorii care au scris primele lor articole publicate sunt indrumarea mea cand erau studenti la licenta sau master: Ion Bogdan, Monalisa Stanciulescu, Miodrag Iovanov, Ana Agore, Alexandru Chirvasitu, Dragos Fratila, Costel Bontea

**Grant-uri conduse** *Hopf Algebras and related topics*, program IDEI-PN II-ID-PCE-2011-3-0039, 5/10/2011-04/10/2016, Director, buget 1 273 500 Ron (aprox. 280 000 Euro)

*Groups, quantum groups, corings and representation theory*, government funded program IDEI - PN II, 1/10/2007-30/09/2010, Director, buget 575 050 Ron (approx. 145 000 Euro)

*Hopf algebras in algebras, topology, geometry and physics*, 2001 - 2003, program bilateral al guvernelor Flamand si Roman, co-promoter din partea romana.

Membru in numeroase proiecte de cercetare din care mentionez: (1) program bilateral al guvernelor Flamand si Roman *New techniques in Hopf algebras and graded ring theory* (proiect BWS04/04, 2005–2007, co-promotor prof. dr. C. Nastasescu); (2) program bilateral al guvernelor Flamand si Roman *Hopf algebras and co-Galois Theory* (1998 - 2000, co-promotor prof. Dr. C. Nastasescu); (3) numeroase granturi CNCSIS cum ar fi proiectele cu Banca Mondiala C12 (director: prof. dr. Ion D. Ion) si C10 (director: prof. dr. N. Radu).

## Conferințe Expuse

*Leibniz algebras*, Ferrara Algebra Workshop: A conference in honor of Prof. Claudia Menini, Ferrara, Septembrie, 2015

*Jacobi and Poisson algebras*, New trends in Hopf algebras and tensor categories, Palace of the Academies, Brussels, Iunie 2015.

*The factorization problem and related questions*, The Eighth Congress of Romanian Mathematicians, Iasi, Iunie 2015

*Jacobi and Poisson algebras*, The Second International Conference on Mathematics and Statistics, AUS-ICMS 15, American Univ. Sharjah, Aprilie 2015.

*The global extension problem, crossed products and co-flag non-commutative Poisson algebras*, XXII-nd International Conference on Integrable Systems and Quantum symmetries (ISQS-22), Prague, Iunie 2014.

*Quasitriangular algebras, braidings on bimodules and central simple algebras*, International Conference "Some Trends in Algebras", Septembrie 2013, Prague.

*The extension problem for Hopf algebras*, Joint international meeting of AMS and RMS, Alba-Iulia, Iunie 2013.

*Extending structures for Lie algebras*, International workshop Lie theory and its applications, Varna, Bulgaria, Iunie 2013.

*The extending structures for algebras*, Workshop 'Rings, categories and Hopf algebras', Bucharest, Mai 2013.

*The Extending Structures Problem*, 2nd Biennial Groups Theory Conference, Dogus University, Istanbul, Februarie, 2013.

*Classifying bicrossed products of quantum groups*, Algebra Geometry Mathematical Physics (AGMP), Brno, Septembrie 2012

*Extending structures: the level of groups*, Groups and their actions, Bedlewo, Iulie 2012

*Split extensions of Hopf Algebras*, Algebra Geometry Mathematical Physics, Mulhouse, Octombrie 2011

*Unified product for Hopf algebras*, Hopf algebras and tensor categories, Almeria, Iulie 2011

*Four problems regarding representable functors*, International Category Theory Conference, Genoa - Italy, Iulie 2010

*Representable functors for corings*, The First International Conference on Mathematics and Statistics, American University of Sharjah - UAE, Martie 2010

*Unifying crossed and bicrossed products*, International Conference on Noncommutative Rings and Geometry, Almeria - Spain, Septembrie 2007

*Factorization problems for finite groups*, 6-th Congress of Romanian Mathematicians, Bucharest - Romania, Iunie 2007

*The pentagon equation for algebras*, International Algebra Conference, Venice - Italy, Iunie 2002

*On the structure of finite Hopf algebras*, Hopf algebras in Noncommutative Geometry and Physics, Brussels - Belgium, Mai 2002

*Integrals, quantum Galois extensions and the affineness criterion for quantum Yetter-Drinfel'd modules*, London Math. Soc. Workshop on Quantum Groups and noncommutative geometry, Queen Mary University, London - UK, Nov. 2000

*Heisenberg double, pentagon equation, structure and classification of finite dimensional Hopf algebras*, North British Quantum Groups Collective Meeting, University of Manchester - UK, Nov. 2000

*Hopf algebras techniques for solving non-linear equations*, Hopf algebras and Quantum Groups Conference, Free University of Brussels - Belgium, Iunie 1998

*Frobenius type properties for Doi-Hopf modules*, AMS-Benelux Joint Meeting, University of Antwerp UIA - Belgium, Mai 1996

• Pe linga aceste conferinte internationale am tinut numeroase expuneri la Seminariile stiintifice ale Departamentelor de matematica la Universitatile din Ferrara, Swansea, Antwerp si Free Univ. Brussel

**Conferințe  
Organizate**

The international Conference *Hopf algebras and Quantum Groups*, Free Univ. of Brussels, Iunie 1998 (cu S. Caenepeel si S. Zhu)

*Brauer groups, Hopf algebras and monoidal categories - A conference in honour of Stef Caenepeel on the occasion of his 60th birthday* - May 2016, Torino (cu A. Agore, S. Dascalescu, Isar Goyvaerts si Joost Vercruysse)

**Stagii Cercetare**

Septembrie 2002: o luna stagiu de cercetare la Univ. Ferrara finantata de un grant I.N.D.A.M. - am tinut un curs de 8 ore cu titlul "Special classes of functors for generalized modules categories"

Octombrie-Noiembrie 2000: doua luni stagiu de cercetare la Univ. of Wales Swansea - UK finantat de un grant obtinut prin concurs al The Royal Society - London.

Noiembrie 1999: o luna stagiu de cercetare la Univ. Ferrara finantata de un grant CNR-Italia - am tinut un curs de 8 ore cu titlul "Quantum Groups"

Mai-Iunie 1998 - doua luni stagiu de cercetare la Free University of Brussels finantat de proiectul 'Hopf algebras and co-Galois Theory'

Februarie-Mai 1995 - trei luni stagiu de cercetare la Free University of Brussels finantat de programul Tempus (UE), obtinut prin concurs.

Stagii scurte de cercetare (una-doua saptamani): Free University of Brussels (2000, 2001, 2002, 2007, 2008, 2010, 2011, 2012, 2013, 2015) si University of Antwerp (1996, 1997). Dupa 2002, din motive personale, nu mai pot efectua stagii de cercetare in strainatate mai lungi de 10 zile si nu am mai aplicat la granturi in strainatate.

Last updated: September 1, 2015