LIST OF PAPERS
Conf. Dr. Septimiu Crivei

a) List of the most relevant papers included in the file

1. S. Crivei, M. Prest and G. Reynders, *Model theory of comodules*, J. Symbolic Logic **69** (2004), 137–142.

2. S. Crivei and J.L. García, *Gruson-Jensen duality for idempotent rings*, Comm. Algebra **33** (2005), 3949–3966.

3. S. Caenepeel, S. Crivei, A. Marcus and M. Takeuchi, *Morita equivalences induced by bimodules over Hopf-Galois extensions*, J. Algebra **314** (2007), 267–302.

4. S. Crivei, *Σ-extending modules, Σ-lifting modules, and proper classes*, Comm. Algebra **36** (2008), 529–545.

5. S. Crivei, *Relatively extending modules*, Algebr. Represent. Theory **12** (2009), 319–332.

6. S. Crivei, M. Prest and B. Torrecillas, *Covers in finitely accessible categories*, Proc. Amer. Math. Soc. **138** (2010), 1213–1221.

7. S. Crivei, C. Năstăsescu and B. Torrecillas, *On the Osofsky-Smith theorem*, Glasgow Math. J. **52A** (2010), 61–67.

8. S. Crivei, *Maximal exact structures on additive categories revisited*, Math. Nachr. **285** (2012), 440-446.

9. S. Crivei, C. Năstăsescu and L. Năstăsescu, *A generalization of the Mitchell Lemma: The Ulmer Theorem and the Gabriel-Popescu Theorem revisited*, J. Pure Appl. Algebra **216** (2012), 2126–2129.

10. S. Bazzoni and S. Crivei, *One-sided exact categories*, J. Pure Appl. Algebra, 2012, accepted. DOI: 10.1016/j.jpaa.2012.06.019. arXiv:1106.1092

b) Ph.D. thesis

1. S. Crivei, *Injective modules relative to torsion theories*, Babeş–Bolyai University of Cluj-Napoca, 2001.

c) Patents and other titles of industrial property

Not applicable.

d) Books and book chapters

1. N. Both and S. Crivei, *Problems of algebra*, "Babeş-Bolyai" University Press, Cluj-Napoca, 1997, 146 pp. (Romanian).

2. S. Crivei, *Basic abstract algebra*, House of the Book of Science, Cluj-Napoca, 2002, 2003 (second edition), viii + 260 pp. ISBN 973-686-320-4

3. A. Marcus and S. Crivei (Eds.), Proceedings of the Algebra Symposium (Cluj-Napoca, Romania, November 23-24, 2001), EFES Publishing House, Cluj-Napoca, 2002, 200 pp. ISBN 973-8254-26-4

4. S. Crivei, *Injective modules relative to torsion theories*, EFES Publishing House, Cluj-Napoca, 2004, xii + 186 pp. ISBN 973-8254-51-5

5. S. Crivei, A. Mărcuş, C. Săcărea and C. Szántó, *Computational algebra with applications to coding theory and cryptography*, EFES Publishing House, Cluj-Napoca, 2006, viii + 198 pp. ISBN-10 973-7677-31-5, ISBN-13 978-973-7677-31-0

6. S. Crivei and G. Olteanu, *Algebraic aspects of public-key cryptography*, EFES Publishing House, Cluj-Napoca, 2008, vi + 128 pp. ISBN 978-606-526-012-2

7. S. Breaz, S. Crivei and A. Marcus (Eds.), Proceedings of the International Conference on Modules and Representation Theory (Cluj-Napoca, July 7–12, 2008), Cluj University Press, Cluj-Napoca, 2009, xii + 220pp. ISBN 978-973-610-897-6

e) Articles/studies in extenso, published in journals from the main international scientific flux

e1) Articles in ISI journals

1. S. Crivei, *On τ-injective hulls of modules*, Publ. Math. Debrecen **61** (2002), 145–155.

2. S. Crivei, M. Prest and G. Reynders, *Model theory of comodules*, J. Symbolic Logic **69** (2004), 137–142.

3. S. Crivei, *On τ-completely decomposable modules*, Bull. Austral. Math. Soc. **70** (2004), 163–175.

4. S. Crivei and J.L. García, *Gruson-Jensen duality for idempotent rings*, Comm. Algebra **33** (2005), 3949–3966.

5. S. Crivei, *τ-injective submodules of indecomposable injective modules*, J. Korean Math. Soc. **43** (2006), 65–76.

6. I. Crivei, S. Crivei and I. Purdea, *Change of ring and torsion-theoretic injectivity*, Bull. Austral. Math. Soc. **75** (2007), 127–133.

7. S. Caenepeel, S. Crivei, A. Marcus and M. Takeuchi, *Morita equivalences induced by bimodules over Hopf-Galois extensions*, J. Algebra **314** (2007), 267–302.

8. S. Crivei, *Σ-extending modules, Σ-lifting modules, and proper classes*, Comm. Algebra **36** (2008), 529–545.

9. S. Crivei and B. Torrecillas, *On some monic covers and epic envelopes*, Arab. J. Sci. Eng. Sect. C, Theme Issue on Interactions of Algebraic and Coalgebraic Structures (Theory and Applications), **33** (2008), 123-135.

10. S. Crivei and G. Olteanu, *GAP algorithms for finite abelian groups and applications*, Carpathian J. Math. **24** (2008), 310–316.

11. S. Crivei, *Relatively extending modules*, Algebr. Represent. Theory **12** (2009), 319–332.

12. S. Crivei, M. Prest and B. Torrecillas, *Covers in finitely accessible categories*, Proc. Amer. Math. Soc. **138** (2010), 1213–1221.

13. S. Crivei, C. Năstăsescu and B. Torrecillas, *On the Osofsky-Smith theorem*, Glasgow Math. J. **52A** (2010), 61–67.

14. S. Crivei, *Relatively lifting modules*, Algebra Colloq. **17** (2010), 789–798.

15. S. Crivei, *On Krull-Schmidt finitely accessible categories*, Bull. Austral. Math. Soc. **84** (2011), 90–97.

16. S. Crivei, *Maximal exact structures on additive categories revisited*, Math. Nachr. **285** (2012), 440-446.

17. S. Crivei and M.C. Iovanov, *Symmetry for comodule categories*, J. Algebra Appl. **11** (2012), 1250009 (16 pages).

18. S. Crivei, C. Năstăsescu and L. Năstăsescu, *A generalization of the Mitchell Lemma: The Ulmer Theorem and the Gabriel-Popescu Theorem revisited*, J. Pure Appl. Algebra **216** (2012), 2126–2129.

19. S. Bazzoni and S. Crivei, *One-sided exact categories*, J. Pure Appl. Algebra, 2012, accepted. DOI: 10.1016/j.jpaa.2012.06.019. arXiv:1106.1092

20. S. Crivei, H. Inankıl, M.T. Koşan and G. Olteanu, *Correspondences of coclosed submodules*, Comm. Algebra, 2012, accepted. arXiv:1203.0729

e2) Other articles

1. I. Crivei and S. Crivei, *$\mathcal{P}$-pure exact sequences of modules*, Automat. Comput. Appl. Math. **4** (1995), No. 2, 88–94.

2. I. Crivei and S. Crivei, *Pure ideals of a ring*, Automat. Comput. Appl. Math. **6** (1997), 5–10.

3. S. Crivei, *m-injective modules*, Mathematica (Cluj) **40**(63) (1998), 71–78.

4. S. Crivei, *Minimal m-injective modules*, Mathematica (Cluj) **40**(63) (1998), 159–164.

5. S. Crivei, *On a class of modules whose non-zero endomorphisms are monomorphisms*, Studia Univ. "Babeş–Bolyai", Mathematica, **43** (1998), 23–28.

6. I. Crivei and S. Crivei, *Absolutely s-pure modules*, Automat. Comput. Appl. Math. **7** (1998), 25–30.

7. S. Crivei, *m-injective envelopes of modules*, Mathematica (Cluj) **41**(64) (1999), 149–159.

8. S. Crivei, *On m-injective modules over noetherian rings*, PU.M.A., Pure Math. Appl. **11** (2000), 173–181.

9. S. Crivei, *Modules injective with respect to maximal ideals*, An. Şt. Univ. "Ovidius" Constanţa, Ser. Mat. **8** (2000), 13–19.

10. S. Crivei, *Direct sums of minimal m-injective modules*, Mathematica (Cluj) **43**(66) (2001), 185–191.

11. S. Crivei, *Injective modules relative to the Dickson torsion theory*, Vietnam J. Math. **29** (2001), 369–378.

12. S. Crivei, *A note on τ-quasi-injective modules*, Studia Univ. "Babeş–Bolyai", Math. **46** (2001), 33–39.

13. S. Crivei and I. Crivei, *Classes of modules related to Serre subcategories*, An. Şt. Univ. "Ovidius" Constanţa, Ser. Mat. **9** (2001), 39–46.

14. S. Crivei, *On a generalization of the Loewy series of a module*, PU.M.A., Pure Math. Appl. **13** (2002), 117–124.

15. S. Crivei, *On τ-complemented modules*, Mathematica (Cluj) **45**(68) (2003), 127–136.

16. S. Crivei, *Relative natural classes and relative injectivity*, Internat. J. Math. Math. Sciences **2005** (2005), 671–678.

17. I. Crivei and S. Crivei, *(m, n)-purity for modules*, Bull. Math. Soc. Sci. Math. Roum. **49**(97) (2006), 37–46.

18. S. Crivei and Ş. Şuteu-Szöllősi, *Subgroup lattice algorithms related to extending and lifting abelian groups*, Int. Electron. J. Algebra **2** (2007), 54–70.

19. S. Crivei, *A note on flat covers of comodules*, Mathematica (Cluj) **50 (73)** (2008), 187–190.

20. S. Crivei, *Epic envelopes by generalized flat modules*, Mathematica (Cluj) **51 (74)** (2009), 47–53.

21. I. Crivei and S. Crivei, *Associated classes of modules*, Studia Univ. "Babeş-Bolyai", Math. **54** (2009), 23–32.

f) Publications in extenso, in proceedings of the main specific international conferences

1. S. Crivei, *Some approximations of modules*, Proceedings of the Algebra Symposium (Cluj-Napoca, Romania, November 23–24, 2001), EFES Publishing House, Cluj-Napoca, 2002, pp. 23–34.

2. I. Crivei and S. Crivei, *Divisible modules with respect to a torsion theory.* In: *Algebras, Rings and Their Representations*, A. Facchini, K.R. Fuller, C.M. Ringel and C. Santa Clara (Eds.), World Scientific, 2006, pp. 25–36.

3. S. Crivei, *Relatively complemented and relatively supplemented modules*, Proceedings of the Algebra Symposium (Cluj-Napoca, Romania, May 27–28, 2005), EFES Publishing House, Cluj-Napoca, 2006, pp. 47–59.

4. S. Crivei, G. Olteanu and Ş. Şuteu-Szöllősi, *ELISA – A collection of GAP algorithms related to extending abelian groups.* In: Actas del Undécimo Encuentro de Álgebra Computacional y Aplicaciones, O. Cortadellas, J. Gómez-Torrecillas and F.J. Lobillo (Eds.), Granada, 2008, pp. 163–166.

5. S. Crivei, *Finitely accessible categories, generalized module categories and approximations*, Proceedings of the International Conference on Modules and Representation Theory (Cluj-Napoca, Romania, July 7–12, 2008), Cluj University Press, Cluj-Napoca, 2009, pp. 53–60.

g) Other papers and scientific contributions

1. S. Crivei, G. Olteanu and Ş. Şuteu-Szöllősi, *ELISA - A collection of GAP algorithms related to extending and lifting abelian groups*, http://www.gap-system.org/Packages/undep.html.

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