



Candidat: lect. dr. Dalila BELEI

LISTĂ LUCRĂRI

a) Lista celor 10 lucrări relevante pentru realizările profesionale proprii

Nr. crt.	Articol:	Factor impact
1	<i>A Facile Synthesis of Pechmann Dyes</i> , H. Hopf, P. G. Jones, A. Nicolescu, E. Bicu, L. M. Birsa, D. Belei , <i>Chemistry A European Journal</i> , 20, 5565-5568, 2014 .	5.696
2	<i>A Direct Synthesis of Octahydropyrrolo[2,1,5-cd]indolizin-6-one Derivatives</i> , D. Belei , C. M. Abuhaie, E. Bicu, P. G. Jones, H. Hopf, L. M. Birsa, <i>Synlett</i> , (4), 454-548, 2012 .	2.71
3	<i>A New Synthetic Methodology for the Pyrrolidine Ring</i> , D. Belei , E. Bicu, P. Jones, M. L. Birsa, <i>Synlett</i> , 6, 931-933, 2010 .	2.71
4	<i>A Selective Synthesis of Enamines versus Aziridines</i> , D. Belei , E. Bicu, P. Jones, M. L. Birsa, <i>J. Heterocyclic Chem.</i> , 48, 129-134, 2011 .	1.22
5	<i>New farnesyltransferase inhibitors in the phenothiazine series</i> , D. Belei , C. Dumea, A. Samson, A. Farce, J. Dubois, E. Bicu, A. Ghinet, <i>Bioorganic & Medicinal Chemistry Letters</i> , 22(14), 4517-4522, 2012 .	2.554
6	<i>Peptide chemistry applied to a new family of phenothiazine containing inhibitors of human farnesyltransferase</i> , G. M. Dumitriu, A. Ghinet, E. Bîcu, B. Rigo, J. Dubois, A. Farce, D. Belei , <i>Bioorganic & Medicinal Chemistry Letters</i> , 24(14), 3180-3185, 2014 .	2.554
7	<i>Novel indolizine derivatives with unprecedented inhibitory activity on human farnesyltransferase</i> , C. Dumea, D. Belei , A. Ghinet, J. Dubois, A. Farce, E. Bîcu, <i>Bioorganic & Medicinal Chemistry Letters</i> , 24(24), 5777-5781, 2014 .	2.554
8	<i>Studies on indolizines. Evaluation of their biological properties as microtubule-interacting agents and as melanoma targeting compounds</i> , A. Ghinet, C.-M. Abuhaie, P. Gautret, B. Rigo, J. Dubois, A. Farce, D. Belei , E. Bîcu, <i>European Journal of Medicinal Chemistry</i> , 89, 115-127, 2015 .	3.346
9	<i>Novel luminescent phenothiazine-based Schiff bases with tuned morphology. Synthesis, structure, photophysical and thermotropic characterization</i> , A. Zabulică, M. Balan, D. Belei , M. Sava, C. B. Simionescu, L. Marin, <i>Dyes and Pigments</i> 96(3), 686-698, 2013 .	3.126
10	<i>Phenothiazine and pyridine-N-oxide based AIE-active triazoles: synthesis, morphology and photophysical properties</i> , D. Belei , C. Dumea, E. Bicu, L. Marin, <i>RSC Advances</i> , 5, 8849-8858, 2015 .	3.708

b) Teza de doctorat

Teza de doctorat intitulată “Sinteze de noi compuși fenotiazinici cu eventuală activitate farmacologică” a fost realizată în perioada noiembrie 1998 – iunie 2002, sub conducerea științifică a prof. dr. doc. Magda Petrovanu, Catedra de Chimie Organică, Facultatea de Chimie, Universitatea „Al.

I. Cuza” Iași. Teza a fost susținută public, la Facultatea de chimie, Universitatea „Al. I. Cuza” Iași în iunie 2002, domeniul chimie, calificativul *Foarte Bine*.

c) Brevete de invenție și alte tipuri de proprietate intelectuală

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d) Cărți și capitole în cărți

Nr. crt.	Titlu
1	E. Bîcu, M. L. Bîrsă, D. Belei , D. Sîrbu. <i>Chimie Organică – Exerciții și probleme</i> , ISBN: 973-8490-90-1, Editura PIM, Iași, 2003.
2	M. Fetcu, D. Belei , L. Papaghiuc, G. Ionel. <i>Teste pentru examenul de bacalaureat</i> , ISBN: 973-7967-03-8, Editura PIM, Iași, 2003.
3	A. Voinea, E. Bejan, D. Belei , D. Bejan. <i>Analiza funcțională calitativă a substanțelor organice</i> , ISBN: 973-8028-97-3, Editura SEDCOM LIBRIS, Iași, 2002.

e) Articole/studii publicate *in extenso*, în reviste din circuitul științific internațional

e1) În reviste ISI Thomson Reuters internaționale

Nr. crt.	Articol:	Factor impact
1	<i>Phenothiazine and pyridine-N-oxide based AIE-active triazoles: synthesis, morphology and photophysical properties</i> , D. Belei , C. Dumea, E. Bicu, L. Marin, <i>RSC Advances</i> , 5, 8849-8858, 2015 .	3.708
2	<i>Studies on indolizines. Evaluation of their biological properties as microtubule-interacting agents and as melanoma targeting compounds</i> , A. Ghinet, C.-M. Abuhaie, P. Gautret, B. Rigo, J. Dubois, A. Farce, D. Belei , E. Bîcu, <i>European Journal of Medicinal Chemistry</i> , 89, 115-127, 2015 .	3.346
3	<i>Investigation of New Phenothiazine and Carbazole Derivatives as Potential Inhibitors of Human Farnesyltransferase</i> , G. M. Dumitriu, A. Ghinet, D. Belei , B. Rigo, P. Gautret, J. Dubois, E. Bîcu, <i>Letters in Drug & Discovery</i> , 12, 85-92, 2015 .	0.961
4	<i>Novel indolizine derivatives with unprecedented inhibitory activity on human farnesyltransferase</i> , C. Dumea, D. Belei , A. Ghinet, J. Dubois, A. Farce, E. Bîcu, <i>Bioorganic & Medicinal Chemistry Letters</i> , 24(24), 5777-5781, 2014 .	2.554
5	<i>A Facile Synthesis of Pechmann Dyes</i> , H. Hopf, P. G. Jones, A. Nicolescu, E. Bicu, L. M. Bîrsa, D. Belei , <i>Chemistry A European Journal</i> , 20, 5565-5568, 2014 .	5.696
6	<i>Peptide chemistry applied to a new family of phenothiazine containing inhibitors of human farnesyltransferase</i> , G. M. Dumitriu, A. Ghinet, E. Bîcu, B. Rigo, J. Dubois, A. Farce, D. Belei , <i>Bioorganic & Medicinal Chemistry Letters</i> , 24(14), 3180-3185, 2014 .	2.554
7	<i>Studies on pyrrolidinones: Chemistry of dimethoxytriazines</i> , L. Lucescu, P. Gautret, S. Oudir, B. Rigo, D. Belei , E. Bîcu, A. Ghinet, <i>Synthesis (Germany)</i> , 45 (10), 1333-1340, 2013 .	2.466
8	<i>Novel luminescent phenothiazine-based Schiff bases with tuned morphology. Synthesis, structure, photophysical and thermotropic characterization</i> , A. Zabulică, M. Balan, D. Belei , M. Sava, C. B. Simionescu, L. Marin, <i>Dyes and Pigments</i> 96(3), 686-698, 2013 .	3.126
9	<i>Synthesis and biological evaluation of a new series of phenothiazine-</i>	3.346

- containing protein farnesyltransferase inhibitors*, C. M. Abuhaie, A. Ghinet, A. Farce, J. Dubois, P. Gautret, B. Rigo, **D. Belei**, E. Bicu, *European Journal of Medicinal Chemistry*, 59, 101-110, **2013**.
- 10 *Synthesis and anticancer activity of analogues of phenstatin, with a phenothiazine A-ring, as a new class of microtubule-targeting agents*, C. M. Abuhaie, E. Bicu, B. Rigo, P. Gautret, **D. Belei**, A. Farce, J. Dubois, A. Ghinet, *Bioorganic & Medicinal Chemistry Letters*, 23(1), 147-152, **2013**. 2.554
- 11 *Synthesis and biological evaluation of new phenothiazine derivatives bearing a pyrazole unit as protein farnesyltransferase inhibitors*, L. Baciuc-Atudosie, A. Ghinet, A. Farce, J. Dubois, **D. Belei**, E. Bicu, *Bioorganic & Medicinal Chemistry Letters*, 22(22), 6896-6902, **2012**. 2.554
- 12 *An efficient one-pot reaction for the synthesis of pyrazolones bearing a phenothiazine unit*, L. Baciuc-Atudosie, A. Ghinet, **D. Belei**, P. Gautret, B. Rigo, E. Bicu, *Tetrahedron Letters*, 53(45), 6127-6131, **2012**. 2.683
- 13 *New farnesyltransferase inhibitors in the phenothiazine series*, **D. Belei**, C. Dumea, A. Samson, A. Farce, J. Dubois, E. Bicu, A. Ghinet, *Bioorganic & Medicinal Chemistry Letters*, 22(14), 4517-4522, **2012**. 2.554
- 14 *A Direct Synthesis of Octahydropyrrolo[2,1,5-cd]indolizin-6-one Derivatives*, **D. Belei**, C. M. Abuhaie, E. Bicu, P. G. Jones, H. Hopf, L. M. Birsa, *Synlett*, (4), 454-548, **2012**. 2.71
- 15 *A Selective Synthesis of Enamines versus Aziridines*, **D. Belei**, E. Bicu, P. Jones, M. L. Birsa, *J. Heterocyclic Chem.*, 48, 129-134, **2011**. 1.22
- 16 *A New Synthetic Methodology for the Pyrrolidine Ring*, **D. Belei**, E. Bicu, P. Jones, M. L. Birsa, *Synlett*, 6, 931-933, **2010**. 2.71
- 17 *Benzoindolizine derivatives of N-acylphenothiazine. Synthesis and characterization*, E. Bacu, **D. S. Belei**, G. Nowogrocki, A. Couture, P. Grandclaudeon, *Organic & Biomolecular Chemistry* (Formerly *Perkin Transactions 1 and 2*), 1, 2377-2382, **2003**. 3.696
- e2) În reviste ISI Thomson Reuters națională
- 18 *Synthesis of mesoionic [2-(10H-phenothiazinyl)-1,3-dithiolium]phenolates*, L. G. Sîrbu, E. Bîcu, **D. Belei**, *Rev. Chim. (Bucharest)*, 65(2), 249-251, **2014**. 0.599
- 19 *Novel mesoionic 2-methyl-4-(1,3-dithiol-2-ylum)phenolates*, **D. Belei**, N. C. Fornă, I. Sandu, M. L. Bîrsă, *Rev. Chim. (Bucharest)*, 65(1), 80-83, **2014**. 0.599
- 20 *Synthese de nouveaux derives N-acylphenothiaziniques potentiellement actifs en chimiotherapie*, E. Băcu, **D. Belei**, A. Couture, P. Grandclaudeon, *Rev. Roum. Chem.* 52(3), 253-259, **2007**. 0.418
- 21 *Synthesis of pyrrolo[1,2-b]pyridazine derivatives engrafted on N-acylphenothiazine*, E. Bicu, **D. Belei**, A. Couture, P. Grandclaudeon, *Rev. Roum. Chem.* 51(9), 887-894, **2006**. 0.418
- 22 *New Phenothiazine Derivatives with Potential Pharmacological Properties and Chelating Activity*, E. Bacu, **D. S. Belei**, A. Couture, P. Grandclaudeon, *Rev. Roum. Chem.*, 48(2), 115-120, **2003**. 0.418

- 23 *New hidrazides of the acrylic acid derived from phenothiazine*, **D. S. Belei**, E. Bâcu, M. Andrei, M. Petrovanu, *Romanian Biotech. Letters*, 6(6), 501, **2001**. 0.349

f) Articole/studii publicate in extensor, în volumele conferințelor internaționale de specialitate

g) Alte lucrări și contribuții științifice

g1) Lucrări științifice în reviste naționale și internaționale neindexate ISI Thomson Reuters

- 1 *New phenothiazine derivatives with ionic liquid structure*, G. Dumitriu, L. Lucescu, E. Bâcu, **D. Belei**, *Acta Chemica Iasi*, 18, 77-88, **2010**.
- 2 *1,3-Dipolar cycloaddition reactions of N-acetylazido-2-chlorophenothiazine*, **D. Belei**, E. Bîcu, L. Bîrsă, *Acta Chemica Iasi*, 17, 197-207, **2009**.
- 3 *Activitatea antibacteriana a trei saruri de N-fenacil-Y_p)-2-carbaldoximpiridiniu*, E. Bâcu, N. Vornicu, **D. Belei**, L. Bîrsa, *Conservarea si Restaurarea Patrimoniului Cultural*, Editura Trinitas, vol. VIII, ISBN 978-973-155-002-3, pp. 92-99, **2008**.
- 4 *Cercetari privind activitatea antifungica a unor saruri de N-fenacil-2-carbaldoxim-piridiniu*, E. Bâcu, N. Vornicu, **D. Belei**, L. Bîrsa, *Conservarea si Restaurarea Patrimoniului Cultural*, Editura Trinitas, vol. VIII, ISBN 978-973-155-002-3, pp. 6-14, **2008**.
- 5 *Antibacterial and antifungal activities of phenothiazine salts derivatives*, A. Couture, P. Grandclaudon, E. Bâcu, N. Vornicu, **D. Belei**, *Fundamental & Clinical Pharmacology*, 20, 622, **2006**.
- 6 *Influence on immune parameters of some new synthetic phenothiazine derivatives administered in different doses in laboratory animals*, C. Lupusoru, C. Ghiciuc, C. Zamfir, I. Antonesi, R. Lupusoru, **D. Belei**, E. Bîcu, *Timisoara Medical Journal*, 56(2), 189-194, **2006**.
- 7 *Studiu privind potențialul biologic activ a unor derivați de fenotiazină*, E. Bâcu, N. Vornicu, C. Bibire, **D. Belei**, *Conservarea si restaurarea patrimoniului cultural*, Ed. Trinitas Iasi, vol VI, 103-105, **2006**.
- 8 *Les effets immunosuppresseurs d'un nouveau derive de la phenothiazine*, C. M. Ghiciuc, **D. Belei**, C. E. Lupușoru, E. Bâcu, I. M. Antonesi, O. Jerca, R. Lupușoru, A. Couture, P. Grandclaudon, *Ann. Pharm. Fr.*, 62, 43-48, **2004**.
- 9 *Immunomodulatory and anti-inflammatory effects of a new phenothiazine derivative*, **D. Belei**, C. E. Lupușoru, C. M. Ghiciuc, E. Bâcu, I. Antonesi, L. Tarțau, A. Couture, P. Grandclaudon, *Terapeutică, Toxicologie și Farmacologie clinică*, 8(1), 97-101, **2004**.
- 10 *Biological activity of some phenothiazine derivatives in wheat germination*, **D. S. Belei**, E. Bâcu, G. Drochioiu, *An. St. Univ. "Al. I. Cuza" Iași*, s. Chimie, Tom XI, 161-165, **2003**.
- 11 *Synthesis of some new Schiff bases derived from phenothiazine*, **D. S. Belei**, I. Ciocoiu, C. Ciocoiu, E. Bâcu, *An. St. Univ. "Al. I. Cuza" Iași*, s. Chimie, IX, 155-160, **2001**.

g2) Participări la manifestări științifice naționale și internaționale

1. „Heterocicli grefați la N-fenotiazină”, E. Bâcu, **D. Beleï**, A. Couture, P. Grandclaudon, *A XXVIII-a Conferință Națională de Chimie*, Conferința, Calimanesti-Caciulata, Valcea, Romania, 6-8 octombrie **2004**, pag. 28, ISBN 973-8488-74-5.
2. Obținerea de noi derivați fenotiazinici substituiți la azot, **D. Beleï**, E. Bâcu *A XXVIII-a Conferință Națională de Chimie*, Calimanesti-Caciulata, Valcea, Romania, 6-8 octombrie **2004**, pg. 106. ISBN 973-8488-74-5.
3. Derives de benzoindolizine greffes sur la N-acylphenothiazine, **D. Beleï**, E. Bâcu, A. Axel, P. Grandclaudon, *Journee de Chimie Organique*, Ecole Polytechnique Palaiseau, France, 7-9 sep. **2004**.
4. Synthese de nouveaux derives de la phenothiazine a activite pharmacologique potentielle, E. Bâcu, **D. Beleï**, A. Couture, P. Grandclaudon, *Colloque Franco-Roumain de Chimie Applique*, Slănic-Moldova, Bacău, Roumanie, 22-26 sept. **2004**, pag. 37, ISBN 973-8392-36-5.
5. Activite antimicrobienne de nouveaux derives de la phenothiazine, E. Bâcu, N. Vornicu, **D. Beleï**, A. Couture, P. Grandclaudon, *Colloque Franco-Roumain de Chimie Applique*, COFrRoCA-2006, Conferința, Clermont-Ferrand, France, 28 iunie – 02 iulie **2006**, pag. 28-29, ISBN 973-8392-17-9.
6. New indolizine derivatives of N-acylphenothiazine. Synthesis and biocide investigations, M. L. Birsă, E. Bâcu, **D. Beleï**, N. Vornicu, *41st IUPAC World Chemistry Congress*, Torino, Italia, 5-11 aug. **2007**.
7. Synthese de nouveaux derives phenothiaziniques et les effets cytotoxiques in vitro sur la lignee cellulaire HeLa, E. Bâcu, **D. Beleï**, C. Lupușoru, C. Bleotu, C. Ghiciuc, L. Bîrsă, *COFrRoCA*, Bacau, 25-29 iunie, **2008**.
8. Hybrides phenothiazin-isoxazolidines, **D. Beleï**, L. Birsă, E. Bicu, *COFrRoCA*, Bacau, 25-29 iunie, **2008**.
9. Nouveaux composes de type pyridine- et indolizino-phenothiazines a pontentialite pharmacologique, C. Abuhaie, **D. Beleï**, L. Birsă. E. Bicu, *Colloque Franco-Roumain de Chimie Medicinale CoFr-RoCM*, oct. **2010** Iasi, Roumanie.
10. Synthesis and antifungal activity of some new phenothiazine-1,2,3-triazol derivatives, C. Dumea, L. Atudosie, N. Vornicu, E. Bicu, **D. Beleï**, *Colloque Franco-Roumain de Chimie Medicinale CoFr-RoCM*, oct. **2010** Iasi, Roumanie.
11. Noi enaminoesteri si derivati pirazolici cu schelet fenotiazinic, L. Baciuc Atudosie, **D. Beleï**, L. Bîrsă, E. Bîcu, *Sesiunea jubiliară de comunicări științifice a studentilor, masteranzilor si doctoranzilor „CHIMIA – FRONTIERA DESCHISA SPRE CUNOASTERE”*, Iasi, iulie **2010**.
12. Sinteze de derivati de piridin-aldoxime potentiali active, C. M. Abuhaie, **D. Beleï**, E. Bâcu, *Sesiunea jubiliară de comunicări științifice a studentilor, masteranzilor si doctoranzilor „CHIMIA – FRONTIERA DESCHISA SPRE CUNOASTERE”*, Iasi, iulie **2010**.
13. Sinteza unor acilhidrazone, derivați de fenotiazină, cu potențiale proprietăți biologice, L. Baciuc Atudosie, C. Abuhaie, **D. Beleï**, E. Bicu, *“CHIMIA – FRONTIERA DESCHISA SPRE CUNOASTERE”*, editia a II-a, Iasi, iunie **2011**.
14. Obținerea de hibrizi pirazolo-fenotiazinici prin intermediul cetonei nesaturate, L. Baciuc Atudosie, **D. Beleï**, E. Bîcu, *“CHIMIA – FRONTIERA DESCHISA SPRE CUNOASTERE”*, editia a II-a, Iasi, iunie **2011**.
15. Synthèse et évaluation biologique de nouveaux inhibiteurs de la farnésyltransférase en série 1,2,3-triazoles”, C. Dumea, G. Dumitriu, L. Lucescu, E. Bîcu, **D. Beleï**, J. Dubois, A. Ghinet. *XIXèmes Journées Jeunes Chercheurs*, 02-03 februarie **2012**, Biocitech, Romainville, Paris – Franta.

16. New Methods of Synthesis of 1,3,5-Triazine-2,4(1H,3H)-diones, 4-Methoxy-1,3,5-triazin-2-(1H)-ones and 1,3-Dimethyl-1,3,5-triazin-2,4-diones, L. Lucescu, S. Oudir, **D. Belei**, Ph. Gautret, B. Rigo, E. Bîcu, A. Ghineț, *15th Hellenic Symposium on Medicinal Chemistry (HSMC-15)*, 25-27 mai **2012**, Centrul National de Cercetare, Atena (Grecia).
17. New propargyl derivatives containing phenothiazine moiety. Synthesis and biological evaluation, G. M. Dimitriu, **D. Belei**, E. Bîcu, J. Dubois, A. Ghineț, *27èmes Journées franco-belges de Pharmacochimie et 21èmes Conférences européennes du GP2A*, France, 5-7 iunie **2013**.
18. Synthesis and biological evaluation of some new triazinyl-triazole derivatives, L. Lucescu, **D. Belei**, E. Bîcu, P. Gautret, B. Rigo, A. Ghineț, *27èmes Journées franco-belges de Pharmacochimie et 21èmes Conférences européennes du GP2A*, France, 5-7 iunie **2013**.
19. A selective synthesis of quinolines versus enamines, Lucescu L., Bicu E., **Belei D.**, Rigo B., Gautret P., Ghinet A., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
20. Silylated assisted synthesis of amins with potential microtubule-interacting properties, Dumitriu G-M, Bicu E., **Belei D.**, Rigo B., Gautret P., Ghinet A., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
21. Design, synthesis, and biological evaluation of novel pyrrolidinone-bridged analogues of Combretastatin-A4, Dumitriu G-M, Bicu E., **Belei D.**, Rigo B., Gautret P., Ghinet A., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
22. Synthesis and biological evaluation of some new triazinyl-isoxazole derivatives, Lucescu L., Ghinet A., Dubois J., Shova S., **Belei D.**, Bicu E., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
23. Synthesis and biological evaluation of new indolizine derivatives as antitumoral agents, Abuhaie C-M, Bicu E., **Belei D.**, Gautret P., Rigo B., Ghinet A., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
24. Synthesis and self-assembling of phenothiazine and pyridine-N-oxide based AIE-active triazoles, Dumea C., Bicu E., **Belei D.**, Marin L., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
25. New triazole-indolizine derivatives with potential anticancer activity, Dumea C., **Belei D.**, Bicu E., *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
26. 1,3-Dipolar cycloaddition reaction of 1-carboxymethyl-pyridinium bromide with ethyl propiolate, Rotaru A., Bicu E., Șova S., **Belei D.**, *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
27. A facile synthesis of 2H-1,4-benzoxazin-2-ones, Prodan M., Ștefanovici S., Bicu E., **Belei D.**, *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.
28. Synthesis and anticancer activity of new indolizine derivatives, Ștefanovici S., Bicu E., **Belei D.**, *3eme Colloque Franco-Roumain de Chimie Medicinale CoFrRoCM-2014*, Iasi, 30-31 octombrie **2014**.