

CURRICULUM VITAE

INFORMAȚII PERSONALE

Nume și prenume
Locul și data nașterii
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PROF. DR. ELENA BÎCU (BÂCU)

BÎCU (BÂCU) ELENA
Comuna Putna, jud. Suceava, 10 mai 1955
Română
Universitatea Alexandru Ioan Cuza din Iasi, Facultatea de Chimie,
Bd. Carol I No 11, 700506-Iasi, România
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EDUCAȚIE

1996 iulie, Doctorat în *Chimie* la Universitatea „Alexandru Ioan Cuza” din Iași sub conducerea D-nei Prof. dr. doc. Magda Noela Petrovanu cu titlul „*Noi compusi fenotiazinici fiziologic activi*”, Diploma seria N, nr. 000902
1978-1979: Specializarea in *Chimie organică*, Certificat nr. 3326 din 1979;
1974-1978 : Facultatea de Tehnologie Chimică, secția Chimie, Institutului Politehnic “Gh. Asachi” Iași. Diploma de licență în *Chimie*, cu media 10, nr. 257139 din 1978.
1970-1974: Liceul nr.2 Radauti, Diploma de Bacalaureat, nr. 75525 din 1974.
1962-1970: Școala primară și gimnazială; com.Putna, jud.Suceava

EXPERIENȚA PROFESIONALĂ

2007 – prezent, Conducător de doctorat la UAIC Iasi
Dec. 2020 - prezent, Professor Emeritus la UAIC Iași
2003 – oct 2020, Profesor universitar (Ordinul Ministrului Educației și Cercetării nr 4742 /2003), la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;
1997 – 2003, Conferențiar universitar la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;
1991 – 1997, Lector universitar la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;
1990 – 1991, Asistent universitar la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;
1987 – 1990, Asistent universitar suplinitor, Facultatea de Tehnologie

EVALUARE ȘI
EXPERTIZĂ

Chimică, Institutului Politehnic "Gh. Asachi" Iași;
1983 – 1987, Chimist cercetare, Institutul "P. Poni" Iași.
1979 – 1982, Chimist stagiar la Combinatul Chimic Craiova

Activitate didactica

Cursuri, laboratoare si seminarii la disciplinele: Chimie organica,
Coloranti, Transpozitii moleculare si Medicamente de sinteza.

Referent oficial în comisii de doctorat la Universitatea "Alexandru Ioan
Cuza" Iași, Universitatea Tehnică "Gheorghe Asachi" Iași, Institutul "P.
Poni" Iasi si Universitatea Lille II (2010), Franta.

Referent oficial în comisie HDR Lille (2014), Franta

Membru în Comisii de dizertație și licența

Referent științific pentru revistele de specialitate: *An. St. Univ. "Al. I. Cuza" Iași*, s. Chimie, *Eur. J. Med. Chem.*, *Bioorganic & Medicinal Chemistry Letters* si *Letters in Drug Design & Discover*, *Bioorganic Chemistry*

DOMENII DE
COMPETENȚĂ

- ☞ Chimie organica: Sinteza organica fina.
- ☞ Chimia heterociclorilor: Sinteza, caracterizare si evaluarea biologica a unor derivati heterociclici (s-triazină, piridazina, pirolidină, piridina, 4,4-bipiridil, fenotiazina si indolizina).
- ☞ Chimie medicala: Disign, sinteza si evaluarea biologica a unor derivati heterociclici cu azot ca potentiali agenti anticancer.

ACTIVITATEA
ȘTIINȚIFICĂ

- **1 Brevet si 84 articole științifice publicate**, din care 54 articole cu FI.
- Citări ale lucrarilor (Web of science):
BÎCU E., 514 citari, h-index = 15
BÂCU E., 120 citari, h-index = 6
- Director la 10 granturi de cercetare cu finantare interna si colaborator la alte 2 granturi. Director la CEEX CERES program (2005-2008) (proiect nr. II 106); Membru la PCE-2020-acronim *REPAIR*

SPECIALIZĂRI
POSTUNIVERSITAR

1992– 1995 (4 stagii de o luna pe an), bursa de cercetare doctorat la Laboratoire de Chimie Organique Physique la USTL Lille, Franța.

INFORMAȚII SUPLIMENTARE

- 2012- 2016, Membru în Comisia "Chimie" a Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare (**CNATDCU**).
- Din 2007 – prezent, Conducător de doctorat: 7 doctorate sustinute, 1 postdoctorat.
- 2009-2012, Director executiv la Școala doctorală a Facultății de Chimie, UAIC Iași.
- 2000-2004 – Șefa Catedrei de chimie organică a Facultății de Chimie.
- 2008-2011 și 2013-2015-Membra în Senatul Universității "Alexandru Ioan Cuza" Iași
- 1999, 2002 - câte 1 luna, Profesor invitat la USTL Lille, France și în 2008 - 1 luna Profesor invitat la IUT"A"-Polytech. Lille, France.
- Membru în Comitetele științifice și de organizare a CoFr-RoCM, Colocviul Franco-Roman de Chimie Medicală, patru ediții (2010, 2012, 2014 și 2017) la Universitatea "Alexandru Ioan Cuza" Iași.

PROF. DR. ELENA BÎCU (BÂCU)

Teza de doctorat: „*Noi compusi fenotiazinici fiziologici activi*”, **E. Bîcu**, UAIC-Iași, 1996.

Carti:

1. “*Metodica predării chimiei*”, V.Sunel, I.Ciocoiu, T.Rudica, **E. Bîcu**, Editura Marathon, Iași, 1996 (390 pagini), ISBN: 973-97362-0-3
2. “*Metodica predării chimiei pentru concursul de titularizare, examene de definitivare și grade didactice II, I.*”, V. Sunel, I. Ciocoiu, T. Rudica, **E. Bîcu**, Ed. Marathon, Iași, 1997 (475 pag.), ISBN: 973-97362-2-X
3. “*Transpoziții moleculare*”, **E. Bîcu**, Ed. Univ. “Al. I. Cuza” Iași, 2002, (184 pag.), ISBN: 973-8243-66-1
4. “*Chimie organică-exerciții și probleme*”, **E. Bîcu**, L. Bîrsă, D. Belei, D. Sîrbu, Ed. Pim Iași, 2003, (266 pag.), ISBN: 973-8490-90-1
5. “*Coloranți*”, **E. Bîcu**, Ed. Univ.”Al.I.Cuza”-Iași, 1997 (188 pag.).

Publicații științifice:

Brevet:

“Derivați triazinici ai acidului N-(p-aminobenzoil)-L-(+)-glutamic”, I. Druță, M. Simionovici, N. Bristeanu, **Elena Bîcu**, *Brevet nr. 78016/03.09.1981*.

Lista de lucrari:

1. "Intramolecular charge transfer complexes. Copolymers of *N*-ethyl-3-hydroxymethyl phenothiazinyl-acrylate and metacrylate with acryloyl and methacryloyl- β -hydroxyethyl -3,5-dinitrobenzoate", C. I. Simionescu, **Elena Bîcu**, M. Grigoras, V. Barboiu, *Eur. Polym. J.*, 20(11), 1053-1056, (1984).
2. "Spontaneous copolymerization of 2-methyl-2-oxazoline and *N*-phenyl-maleimide", C. I. Simionescu, **Elena Bîcu**, M. Grigoras, G. Onofrei, *Polymer Bulletin*, 14, 79-83, (1985).
3. "Tranzitions conformationelles des tribloccopolymeres du type ABA", M. Grigoras, G. Onofrei, **Elena Bîcu**, I. Rabia, *Bul.Inst. Polit.-Iasi*, Tom XXXI(XXXV), 123-128, (1985).
4. "Copolimeri cu grupe fenotiazinice si dinitrobenzoice", **Elena Bîcu**, M. Grigoras, *Materiale Plastice*, 26(2), 79-82, (1989).
5. "Synthese de quelques nouveaux derives pyridaziniques doues d'activite physiologique", M. Caprosu, St. Cilianu, R. Bogza, M. Petrovanu, **Elena Bîcu**, *Bul. Inst. Polit. Iasi*, Tom XXXVI(XL), 1-2, S. II, 71-74, (1990).
6. "Sinteza unor noi derivați pirolidinici cu actiune psihotropă", E. Stefanescu, M. Petrovanu, I. Ciocoiu, M. Caprosu, **Elena Bîcu**, *Rev. medico-chirurgicala*, 96(3-4), 241-142, (1992).
7. "Produits de polycondensation des derives de la phénothiazine", **E. Bîcu**, M. Grigoras, M. Petrovanu, I. Ciocoiu, *An. St. Univ. "Al. I. Cuza" Iasi*, Tom III, s.Chimie, 143-150, (1995).
8. "Nouveaux 10-*H*-phénothiazine-10-yl-alcoyl-amides doués d'éventuelle action biologique", **Elena Bîcu**, M. Petrovanu, I. Ciocoiu, C. Mungiu, *An. St. Univ. "Al. I. Cuza" Iasi*, Tom III, s. Chimie, 135-141, (1995).
9. "Copper (II) complex compounds with *N*-substituted phenothiazine derivatives", C. Guran, I. Jitaru, A. Meghea, I. Bitu, **Elena Bîcu**, "*Zilele Academiei Timisene*", Editia a IV-a, Stiințe chimice, 25-27 mai 1995 Timișoara, vol I, Ed. Mirton Timișoara, pag. 331-134.
10. "Synthese d'unités de type triazole et thiadiazole enchainés à la phenothiazine", M. Petrovanu, **E. Bîcu**, P. Grandclaudeon, A. Couture, *Phosphorus, Sulfur and Silicon*, vol. 108, 231-237, (1996).
11. "Données expérimentales concernant les effets pharmacologiques de quelques nouveaux dérivés phénothiaziniques", **Elena Bîcu**, M. Petrovanu, C. Antohie, I. Ciocoiu, O. C. Mungiu, *Ann. Pharmaceutiques françaises*, 55, (6), 269-271, (1997).
12. "Complex compounds of copper (II) with phenothiazine derivatives", C. Guran, **E. Bîcu**, I. Jitaru, I. A. Meghea, V. Iluc, M. Bojin, P. Diaconescu, *Rev. Roum. Chem.*, 42 (9), 891-896, (1997).

13. "Complex compounds with phenothiazine derivatives as biological ligands" C. Guran, **E. Bâcu**, I. Ciocoiu, M. Bojin, P. Diaconescu, O. Jinga, *Roum. Biotechnol. Lett.*, Vol. 2 (3), 243-252, (1997).
14. "Pyrazolin-5-one attached to phenothiazine", **Elena Bâcu**, M. Petrovanu, P. Grandclaoudon, P. Couture, *Roum. Biotechnol. Lett.*, Vol. 2 (5), 383-389, (1997).
15. "Complex compounds of some metals with phenothiazine derivatives, as biological active ligands", C. Guran, **E. Bâcu**, N. Carp, A. Meghea, V. Iluc, P. Diaconescu, S. Nicolae, *Conferința de Chimie și Inginerie Chimică*, Bucuresti, Vol.I, pag. 38-43, 1997.
16. "Synthesis of 7,7'-bisindolizines by the reaction of 4,4'-bipyridinium-ylides with activated alkynes", I. Druță, R. Dincă, **Elena Bâcu**, I. Humelnicu, *Tetrahedron*, 54, 10811-10818, (1998).
17. "Complex compounds with phenothiazine derivatives as biologically active ligands. Mono and polynuclear complex compounds of Fe(III)", C. Guran, **E. Bâcu**, N. Carp, V. Iluc, P. Diaconescu, M. Bojin, S. Nicolae, *Roum. Biotechnol. Lett.*, Vol. 3, (2), 123-130, (1998).
18. "The biological activity of new diquaternary salts of ammonium derivatives from 4,4'-bipyridine", I. Druță, R. Dincă, **Elena Bâcu**, M. Andrei, *An. St. Univ. "Al. I. Cuza" Iași*, Tom VI, s.Chimie, 19-22, (1998).
19. "Complex compounds of Cu(II) with phenothiazine derivatives, as biological active ligands", **E. Bâcu**, C. Guran, I. Ciocoiu, V. Iluc, *An. St. Univ. "Al. I. Cuza" Iași*, Chimie, 29-34 (1998).
20. "Synthesis d'hybrides 1,3,4-oxadiazole-phenothiazine", **E. Bâcu**, M. Petrovanu, A. Couture, P. Grandclaoudon, *Phosphorus, Sulfur and Silicon*, vol. 149, 207-220, (1999).
21. "On the electrical and thermoelectrical properties of some 4,4'-dipyridylium quaternary salts", I. Caplanus, L. Leontie, I. Druta, **Elena Bâcu**, R. Dinica, I. I. Rusu, G. I. Rusu, *Roum. Biotechnol. Lett.*, vol. 4(6), 489-496, (1999).
22. "Heteroarylation de la phenothiazine en position 10", **E. Bâcu**, M. Petrovanu, P. Grandclaoudon, *Rev. Roum. Chem.*, 44(3), 231-234, (1999).
23. "Diamides et dipeptides lies au cycle phenothiazinique", **E. Bâcu**, M. Petrovanu, P. Grandclaoudon, A. Couture, *Rev. Roum. Chem.*, 44(7), 699-703, (1999).
24. „Synthesis and characterisation of new Cu (II) and Mn (II) complex compounds with phenothiazine derive with biological properties”, S. Pasolescu, C. Guran, **E. Bâcu**, I. Ciocoiu, D. Samson, T. Negreanu, *Ovidius University Annales of Chemistry*, vol 11(1), 4-6 (2000).
25. "Bioactive transition metal complexes of phenothiazine derivatives", Pasolescu S., Bâcu E., Ciocoiu I., Negreanu-Parjol T., Guran C., *Buletinul Stiintific al Universitatii "Politehnica" Timisoara*, s. Chimie si mediu, 45(2), 281-286 (2000).

26. „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).
27. „New hidrazides of the acrylic acid derived from phenothiazine”, D. S. Belei, E. Bâcu, M. Andrei, M. Petrovanu, *Roum. Biotechnol. Lett.*, 6(6), 501-506 (2001).
28. „The synthesis of some hybrids phenothiazine-2,3-dihydro-oxadiazole”, M. Grosu, A. Finaru, E. Bâcu, A. Couture, P. Grandclaudon, *Scientific Study & Research*, vol.II (1-2), 3-6 (2001).
29. „Biological action studies on Mn(II) and Cu(II)-phenothiazine complexes”, Pasolescu S, Negreanu T, **Bâcu E**, Ciocoiu I, Guran, *Journal of Inorganic Biochemistry*, 86(1): 372 (2001).
30. „Potential drug delivery systems from maleic anhydride copolymers and phenothiazine derivatives”, **E. Bâcu**, G. C. Chitanu, A. Couture, P. Grandclaudon, Gh. Singurel, A. Carpov, *Eur. Polym. J.*, 38, 1509-1513 (2002).
31. „Etude de toxicite sur des Cu (II) complexes des phenothiazines”, S. Pasolescu, T. Nicolaie, **E. Bâcu**, F. Dumitru, C. Guran, *Colloque Franco-Roumain de Chimie Applique*, Bacău, România, 10-12 oct. 2002, Ed. Alma Mater Bacau si Tehnica-Info Chisinau, 163-164 (2002).
32. „Synthesis and characterization of 2,2-disubstituted 5-(2-phenothiazin-10-yl-ethyl)-2,3-dihydro-1,3,4-oxadiazoles”, **E. Bâcu**, A. Couture, P. Grandclaudon, *Synth. Comm.*, 33 (1), 143-151 (2003).
33. „New phenothiazine derivatives with potential pharmacological properties and chelating activity”, **E. Bâcu**, D. S. Belei, A. Couture, P. Grandclaudon, *Rev. Roum. Chem.*, 48(2), 119-124 (2003).
34. „Benzoindolizine derivatives of *N*-acylphenothiazine. Synthesis and characterization.”, **E. Bâcu**, D. S. Belei, G. Nowogrocki, A. Couture, P. Grandclaudon, *Organic & Biomolecular Chemistry* (Formerly *Perkin Transactions 1 and 2*), 1, 2377-2382 (2003).
35. „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).
36. „Pt(II) and Pd(II) complexes with phenothiazine derivatives. Synthesis, characterization and biological assay”, S. Pasolescu, **E. Bâcu**, F. Dumitru, T. Negreanu, C. Guran, 13th *Romanian international conferince on Chemistry and Chemical Engineering*, Sept. 2003, Bucharest, Romania, vol.1, pg. 53-58 (2003).
37. „Immunomodulatory and anti-inflammatory effects of a new phenothiazine derivative”, D. Belei, C. E. Lupușoru, C. M. Ghiciuc, **E. Bâcu**, I. Antonesei, L. Tarțău, A. Couture, P. Grandclaudon, *Terapeutică, Toxicologie și Farmacologie clinică*, 8(1), 97-101 (2004).

38. „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. Grandclaoudon, *Annales Pharmaceutiques françaises*, 62, 43-48 (2004).
39. „Biologically active Cu(II) and Fe(III) complexes of a phenothiazine derivative with an extended coordination sphere. Solution structures”, C. G. Palivan, **E. Bacu**, S. Antonescu, C. Guran, G. Gescheidt, *Rev. Roum. Chem.*, 51(3), 169-178 (2006).
40. „Synthese de derives de pyrrolo[1,2-b]pyridazine greffes sur la *N*-acylphenothiazine”, **E. Bâcu**, D. Belei, A. Couture, P. Grandclaoudon, *Rev. Roum. Chem.*, 51(9), 887-894 (2006).
41. „Studiu privind potențialul biologic activ a unor derivati de fenotiazina”, **E. Bâcu**, N. Vornicu, C. Bibire, D. Belei, *Conservarea si restaurarea patrimoniului cultural*, Ed. Trinitas Iasi, vol VI, 103-105, 2006.
42. „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. Bâcu**, *Timisoara Medical Journal*, 56(2), 189-194 (2006).
43. „Antibacterial and antifungal activities of phenothiazine salts derivatives”, A. Couture, P. Grandclaoudon, **E. Bâcu**, N. Vornicu, D. Belei, *Fundamental & Clinical Pharmacology*, 20, 622 (2006).
44. „Synthese de nouveaux derives *N*-acylphenothiaziniques potentiellement actifs en ”, **E. Bâcu**, D. Belei, A. Couture, P. Grandclaoudon, *Rev. Roum. Chem.*, 52(3), 253–259 (2007).
45. „Cercetari privind activitatea antifungica a unor saruri de *N*-fenacil-2-carbaldoximpiridiniu”, **E. Bâcu**, N. Vornicu, D. Belei, L. Birsa, *Conservarea si Restaurarea Patrimoniului Cultural*, Editura Trinitas, vol. VIII, ISBN 978-973-155-002-3, pp. 6-14, 2008.
46. „ Activitatea antibacteriana a trei saruri de *N*-fenacil- $Y_{(p)}$ -2-carbaldoximpiridiniu”, **E. Bâcu**, N. Vornicu, D. Belei, L. Birsa, *Conservarea si Restaurarea Patrimoniului Cultural*, Editura Trinitas, vol. VIII, ISBN 978-973-155-002-3, pp. 92-99, 2008.
47. “1,3-Dipolar Cycloaddition Reactions of *N*-Acetylazido-2-chlorophenothiazine”, D. Belei, **E. Bâcu**, L. Bîrsă, *Acta Chemica Iasi*, 17, 197-207 (2009)
- 48 “A new synthetic methodology for the pyrrolidine ring”, D. Belei, **E. Bâcu**, P. G. Jones, M. L. Bîrsa, *Synlett*, 6, 931-933 (2010).
49. “New complex compounds of Fe(III) and Cu(II) –with phenothiazines derivatines”, S. Antonescu, **E. Bâcu**, N. Stanica, O. Oprea, C. Guran, *U.P.B. Sci.Bull., Series B*, Vol.72, Iss. 4, 145-154 (2010).
50. “New Phenothiazine Derivatives with Structure of Ionic Liquids”, G. Dumitriu, L. Lucescu, **E. Bâcu**, D. Belei, *Acta Chimica Iași*, 18(1), 77-88 (2010).

51. "A Selective Synthesis of Enamines versus Aziridines", D. Belei, **E. Bîcu**, P. G. Jones, M. L. Birsa, *J. Heterocyclic Chem.*, 48 , 1, 129-134 (2011).
52. "A Direct Synthesis of Octahydropyrrolo[2,1,5-cd]indolizin-6-one Derivatives", D. Belei, C. Abuhaie, **E. Bîcu**, P. Jones, H. Hopf, L. Birsa, *Synlett*, 4, 545-548 (2012).
53. "New Farnesyltransferase Inhibitors in the Phenothiazine Series", D. Belei, C. Dumea, A. Samson, A. Farce, J. Dubois, **E. Bîcu**, A. Ghinet, *Bioorganic & Medicinal Chemistry Letters*, 22, 4517-4522 (2012).
54. "An efficient one-pot reaction for the synthesis of pyrazolones bearing a phenothiazine unit", L. Baciú-Atudosie, A. Ghinet, D. Belei, P. Gautret, B. Rigo, **E. Bîcu**, *Tetrahedron Letters*, 53, 6127-6131 (2012).
55. "Synthesis and biological evaluation of new phenothiazine derivatives bearing a pyrazole unit as protein farnesyltransferase inhibitors", L. Baciú-Atudosie, A. Ghinet, A. Farce, J. Dubois, D. Belei, **E. Bîcu**, *Bioorganic & Medicinal Chemistry Letters*, 22, 6896-6902 (2012).
56. "Synthesis and biological evaluation of a new series of phenothiazine-containing protein farnesyltransferase inhibitors", C.-M. Abuhaie, A. Ghinet, A. Farce, J. Dubois, P. Gautret, B. Rigo, D. Belei, **E. Bîcu**, *European Journal of Medicinal Chemistry*, 59, 101-110 (2013).
57. "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. Bîcu**, B. Rigo, P. Gautret, D. Belei, A. Farce, J. Dubois, A. Ghinet, *Bioorganic & Medicinal Chemistry Letters*, 23, 147-152 (2013).
58. "Studies on Pyrrolidinones: Chemistry of Dimethoxytriazines", L. Lucescu, P. Gautret, S. Oudir, B. Rigo, D. Belei, **E. Bîcu**, A. Ghinet, *Synthesis-Stuttgart*, 45 (10), 1333-1340 (2013).
59. "Synthesis and biological evaluation of a new series of *N*-ylides as protein farnesyltransferase inhibitors", C.-M. Abuhaie, A. Ghinet, A. Farce, J. Dubois, B. Rigo, **E. Bîcu**, *Bioorganic & Medicinal Chemistry Letters*, 23, 5887-5892 (2013).
60. "[2.2]Paracyclophane substituted indolizines", L.G. Sarbu, **E. Bîcu**, H. Hopf, M.L. Birsa, *Revista de Chimie*, 65 (4), pp. 398-400, (2014).
61. "Synthesis of mesoionic [2-(10H-phenothiazinyl)-1,3-dithiolium]phenolates", L. G. Sîrbu, **E. Bîcu**, D. Belei, *Revista de Chimie*, 65(2), 249-251, 2014.
62. "Peptide chemistry applied to a new family of phenothiazine-containing inhibitors of human farnesyltransferase", G.-M. Dumitriu, A. Ghinet, **E. Bîcu**, B. Rigo, J. Dubois, A. Farce, D. Belei, *Bioorganic & Medicinal Chemistry Letters*, 24(14), 3180–3185, (2014).
63. "A facile synthesis of Pechmann dyes", H. Hopf, P. G. Jones, A. Nicolescu, **E. Bîcu**, L. M. Birsa, D. Belei, *Chemistry - A European Journal*, 20 (19), 5565-5568, (2014).

64. "Eaton's Reagent-Mediated Domino pi-Cationic Arylations of Aromatic Carboxylic Acids to Iasi-Red Polymethoxylated Polycyclic Aromatic Hydrocarbons: Products with Unprecedented Biological Activities as Tubulin Polymerization Inhibitors", A. Ghinet, P. Gautret, N. Van Hijfte, B. Ledé, J.-P. Hénichart, **E. Bîcu**, U. Darbost, B. Rigo, A. Daïch, *Chemistry - A European Journal*, 20 (32), 10117-10130, (2014).
65. "Novel indolizine derivatives with unprecedented inhibitory activity on human farnesyltransferase", C. Dumea, D. Belei, A. Ghinet, J. Dubois, A. Farce, **E. Bîcu**, *Bioorganic & Medicinal Chemistry Letters*, 24 (24), pp. 5777-5781, (2014).
66. "Investigation of new phenothiazine and carbazole derivatives as potential inhibitors of human farnesyltransferase", G.-M. Dumitriu, A. Ghinet, D. Belei, B. Rigo, P. Gautret, J. Dubois, **E. Bîcu**, *Letters in Drug Design & Discovery*, 12(2), 85-92, (2015).
67. "Studies on indolizines. Evaluation of their biological properties as microtubule-interacting agents and as melanoma targeting compounds", A. Ghinet, C.-M. Abuhaie, P. Gautret, B. Rigo, J. Dubois, A. Farce, D. Belei, **E. Bîcu**, *Eur. J. Med. Chem.*, 89, 115-127, (2015).
68. "Phenothiazine and pyridine-N-oxide-based AIE-active triazoles: synthesis, morphology and photophysical properties", D. Belei, C. Dumea, **E. Bîcu**, L. Marin, *RSC Advances*, 5 (12), 8849-8858, (2015).
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