

Călin DELEANU - Curriculum Vitae

- FUNCȚIE:** Cercetător Științific Gr. I
Centrul de Chimie Organică “Costin D. Nenițescu”,
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- EDUCAȚIE:** Bacalaureat (1981),
Liceul de Chimie Nr. 1 (Industrial 5), București.

Inginer Chimist (1988), Institutul Politehnic București,
Facultatea de Tehnologie Chimică.

Doctor în Chimie (2001), Universitatea “Politehnica” București,
Facultatea de Inginerie Chimică.
- LIMBI STRĂINE:** Engleză, Franceză.
- ACTIVITĂȚI:**
- 1990 – Prezent** Cercetător Științific Gr. I,
Centrul de Chimie Organică “Costin D. Nenițescu”, București.
- 2015 – Prezent** Membru în Comisia de Chimie,
Consiliul Național de Atestare a Titlurilor, Diplomelor
și Certificatelor Universitare (CNATDCU),
Ministerul Educației Naționale.
- 2015 – 2016** Membru în Grupul de Lucru pentru elaborarea normativelor,
privind controlul tezelor de doctorat și etica cercetării științifice,
Ministerul Educației Naționale.
- 2009 – 2013** Secretar Științific,
Centrul de Chimie Organică “Costin D. Nenițescu”, București.
- 2000 – 2008** Cadru Didactic Asociat,
Universitatea de Medicină și Farmacie “Carol Davila”, București.
- 1990 – 2007** Cadru Didactic Asociat,
Universitatea “Politehnica” București.
- 2004 – 2005** Chargé de Recherche I (6 luni Post Rouge CNRS),
(pentru sprijin la organizarea și dezvoltarea unui laborator RMN),
Institutul European de Membrane, Montpellier, Franța.
- 1988 – 1990** Inginer Stagiari,
Combinatul Petrochimic Borzești.

MEMBRU ÎN SOCIETĂȚI PROFESIONALE:

- 1992 – Prezent** Membru al Societății Române de Chimie.
- 1996 – Prezent** Membru al Societății Române de Biofizică Pură și Aplicată.
- 1996 – Prezent** Membru,
European Society for Magnetic Resonance in Medicine and Biology.
- 1998 – Prezent** Membru, International Society for Magnetic Resonance in Medicine.
- 2006 – Prezent** Membru Fondator (Vice-Președinte 2006-2009),
Societatea Română de Rezonanță Magnetică în Medicină.
- 2008 – Prezent** Membru Fondator,
Romanian Chapter of the International Society
for Magnetic Resonance in Medicine.
- 2008 – Prezent** Membru, American Chemical Society.
- 2012 – Prezent** Membru Fondator (Co-Chairman 2012-prezent),
Romanian Chapter of the American Chemical Society.

DOMENII DE INTERES ȘI EXPERIENȚA ÎN CERCETARE:

- Spectroscopie RMN:**
- Secvențe de pulsuri pentru atribuții complete de semnale;
 - Analiză structurală și conformațională;
 - Aplicații biomedicale ale spectroscopiei RMN (metabolomică).
 - Aplicații ale spectroscopiei RMN în chimia alimentară.
- Sinteză Organică:**
- Studiul mecanismelor de reacție 2+3 dipolare;
 - Sinteza heterociclicilor cu azot;

PREMII / DISTINCȚII:

2009 – laureat cu **Medalia “Costin D. Nenițescu” a Societății Române de Chimie** pentru “Merite deosebite în promovarea chimiei în România”.

PUBLICAȚII ȘI GRANTURI DE CERCETARE:

Indicele Hirsch 15 (www.researcherid.com/rid/G-7446-2011).

- **126 articole** publicate în reviste de specialitate cu referenți, **din care 107 articole ISI**;
- **32 articole** publicate în extenso în proceedings la conferințe din țară și străinătate;
- **1 carte** publicată în țară;
- **7 capitole în cărți și monografii** publicate în străinătate;
- **1 patent** românesc;
- **Peste 200 conferințe, comunicări, postere** la manifestări științifice din țară și străinătate.
- **Director/Coordonator/Responsabil la 15 Granturi** dintre care 2 Proiecte Europene.

Călin DELEANU – Lista de lucrări

Indicele Hirsch 15 (www.researcherid.com/rid/G-7446-2011).

- 126 articole publicate în reviste de specialitate cu referenți, **din care 107 articole ISI;**
- 32 articole publicate în extenso în proceedings la conferințe din țară și străinătate;
- 1 carte publicată în țară;
- 7 capitole în cărți și monografii publicate în străinătate;
- 1 patent românesc;
- Peste 200 conferințe, comunicări, postere la manifestări științifice din țară și străinătate.

Articole publicate:

1. F. Oancea, E. Georgescu, R. Matusova, F. Georgescu, A. Nicolescu, I. Raut, M.-L. Jecu, M.-C. Vladulescu, L. Vladulescu, **C. Deleanu**, “New Strigolactone Mimics as Exogenous Signals for Rhizosphere Organisms”, *Molecules*, **2017**, 22 (6), 961.
2. A. Oancea, E. Georgescu, F. Georgescu, A. Nicolescu, E.I. Oprita, C. Tudora, L. Vladulescu, M.-C. Vladulescu, F. Oancea, **C. Deleanu**, “Isoxazole derivatives as new nitric oxide elicitors in plants”, *Beil. J. Org. Chem.*, **2017**, 13, 659-664.
3. D. Mantu, V. Antoci, A. Nicolescu, **C. Deleanu**, V. Vasilache, I.I. Mangalagiu, “Synthesis, Stereochemical Studies and Antimycobacterial Activity of New Acetyl-Hydrazine Pyridazinones”, *Current Org. Synt.*, **2017**, 14 (1), 112-119.
4. A. Ciocarlan, A. Aricu, L. Lungu, C. Edu, A. Barba, S. Shova, I.I. Mangalagiu, M. D’Ambrosio, A. Nicolescu, **C. Deleanu**, N. Vornicu, “Synthesis of Novel Tetrano[1,2-b]pyridine Derivatives with Unprecedented Carbon Skeleton”, *Synlett*, **2017**, 28, 565-571.
5. E. Georgescu, A. Nicolescu, F. Georgescu, S. Shova, B. C. Simionescu, **C. Deleanu**, “Contributions to syntheses of pyrrolo[1,2-a]benzimidazole derivatives via 1,3-dipolar cycloaddition reactions”, *Rev. Roum. Chim.*, **2016**, 61 (4-5), 283-290.
6. E. Georgescu, A. Nicolescu, F. Georgescu, F. Teodorescu, S. Shova, A.T. Marinoiu, F. Dumitrascu, **C. Deleanu**, “Fine tuning the outcome of 1,3-dipolar cycloaddition reactions of benzimidazolium ylides to activated alkynes”, *Tetrahedron*, **2016**, 72 (19), 2507-2520.
7. G.L. Ailiesei, M. Ciobanu, M. Balan, C. Stavarache, L. Barbes, A. Nicolescu, **C. Deleanu**, “NMR detected metabolites in complex natural fluids. Quinic acid in apple juice”, *Ovidius Univ. Annals Chem.*, **2015**, 26 (2), 51-56.
8. C. Andronescu, S.A. Garea, A. Nicolescu, **C. Deleanu**, V. Eugeniu, H. Iovu, “Innovative approach for the synthesis of benzoxazine-modified montmorillonite”,

High Perform. Polym., **2015**, 27 (5), 599-606.

9. M.M. Popa, E. Georgescu, M.R. Caira, F. Georgescu, C. Draghici, R. Stan, C. Deleanu, F. Dumitrascu, "Indolizines and pyrrolo[1,2-c]pyrimidines decorated with a pyrimidine and a pyridine unit respectively", *Beilstein J. Org. Chem.*, **2015**, 11, 1079-1088.
10. E. Georgescu, A. Nicolescu, F. Georgescu, S. Shova, F. Teodorescu, A.-M. Macsim, C. Deleanu, "Novel one-pot, multicomponents synthetic strategy towards pyrrolo[1,2-*a*]benzimidazole and pyrrolo[1,2-*a*]quinoxaline derivatives", *Synthesis*, **2015**, 47 (11), 1643-1655.
11. A.C. Razus, L. Birzan, M. Cristea, C. Deleanu, A. Nicolescu, A. Hanganu, "Some Considerations Regarding the NMR Spectra of 1-phenylselanylazulene Derivatives", *Rev. Chim. (Bucharest)*, **2015**, 66 (1), 21-24.
12. E. Georgescu, A. Nicolescu, F. Georgescu, F. Teodorescu, D. Marinescu, A.-M. Macsim, C. Deleanu, "New Highlights of the Syntheses of Pyrrolo[1,2-*a*]quinoxalin-4-ones", *Beilstein J. Org. Chem.*, **2014**, 10, 2377-2387.
13. S. Nica, L. Cristian, A. Hanganu, A.E. Ion, E.A. Dragu, C. Deleanu, A.C. Razus, "4-Guaiazulenyl pyrylium salts 2- and/or 6-substituted with guaiazulenyl pendant arms", *Rev. Chim. (Bucharest)*, **2014**, 65 (2), 164-167.
14. A. Ciocârlan, A. Arîcu, N. Ungur, A. Birliac, M. Coltsa, A. Nicolescu, C. Deleanu, N. Vornicu, "Formal synthesis of (-)-pereniporin B and (-)-cinnamosmolide", *Nat. Prod. Res.*, **2014**, 28 (19), 1619-1625.
15. M.V. Bogatian, G. Bogatian, A. Hirtopeanu, C. Deleanu, A. Nicolescu, M. Maganu, P. Filip, "Reaction of pyrylium perchlorates having long alkyl substituents with amino acids", *Rev. Roum. Chim.*, **2013**, 57 (6), 533-541.
16. M. Musteata, A. Nicolescu, G. Solcan, C. Deleanu, "The ¹H NMR profile of healthy dog cerebrospinal fluid", *Plos One*, **2013**, 3 (12), e81192.
17. C. Andronescu, S. A. Gârea, C. Deleanu, A. Nicolescu, H. Iovu, "The influence of montmorillonite concentration and solvent polarity on the synthesis of benzoxazine monomers in the presence of montmorillonite", *Applied Clay Science*, **2013**, 86, 99-105.
18. A. Ciocarlan, C. Edu, A. Biriac, L. Lungu, A. Aricu, M. D'Ambrosio, S. Shova, A. Nicolescu, C. Deleanu, N. Vornicu, "Synthesis of polyfunctional drimanes from drim-7,9(11)-diene and drim-8-en-7-one", *Synthetic Communications*, **2013**, 43 (22), 3020-3033.
19. R. Postolachi, R. Danac, N. J. Buurma, A. Pui, M. Balan, S. Shova, C. Deleanu, "New cycloimmonium ylide ligands and their palladium(II) affinities",

RSC Advances, **2013**, *3*, 17260-17270.

20. S. Nica, L. Cristian, C. Deleanu, P.I. Filip, A.C. Razus, "Extended π -conjugated chromophores based on pyrilium core linked to guiazulenyl vinyl moieties", *Rev. Chim. (Bucharest)*, **2013**, *64* (6), 658-662.
21. A. Nicolescu, M. Balan, E. Georgescu, F. Georgescu, L. Ursu, B. C. Simionescu, P. Filip, C. Deleanu, "Benzimidazolium-cyclodextrin inclusion complexes", *Rev. Chim. (Bucharest)*, **2013**, *64* (4), 451-455.
22. R. Somoghi, C.L. Nistor, C. Deleanu, D. Donescu, "Preliminary Studies on the Complex System: Surface-active Substances – Hybrid Silica Particles - Vegetable Oils", *Rev. Chim. (Bucharest)*, **2013**, *64* (5), 495-501.
23. M. Balan, A. Nicolescu, C. Stavarache, M. Ciobanu, C. Deleanu, "Fast NMR juice identification based on sugars and other plant metabolites from fruits", *Rev. Roum. Chim.*, **2013**, *57* (2-3), 175-182.
24. C. Paraschivescu, M. Matache, C. Dobrota, A. Nicolescu, C. Maxim, C. Deleanu, I. Farcasanu, N. Hădade, "Unexpected formation of N-(1-(2-aryl-hydrazono)isoindolin-2-yl)benzamides and their conversion into 1,2-(bis-1,3,4-oxadiazol-2-yl)benzenes", *J. Org. Chem.*, **2013**, *78* (6), 2670-2679.
25. A. Nicolescu, C. Deleanu, E. Georgescu, F. Georgescu, A.-M. Iurascu, S. Shova, P. Filip, "Unexpected formation of pyrrolo[1,2-*a*]quinoxaline derivatives during the multicomponent synthesis of pyrrolo[1,2-*a*]benzimidazoles", *Tetrahedron Lett.*, **2013**, *54*, 1486-1488.
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27. P. F. Vlad, A. Ciocarlan, M. Coltsa, C. Edu, A. Biriic, A. Barba, C. Deleanu, A. Nicolescu, M. D'Ambrosio, A. de Groot, "Synthesis of (-)-albrassitriol and (-)-6-*epi*-albrassitriol from (+)-larixol", *Nat. Prod. Res.*, **2013**, *27* (9), 809-817.
28. A. Nicolescu, N. Simionescu, L. Ursu, C. Deleanu, B. C. Simionescu, "The effect of therapeutic doses of paracetamol and aspirin on the NMR profile of urine at 400 MHz", *Rev. Roum. Chim.*, **2012**, *57* (7-8), 653-658.
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“Hydroacridines. Part 31. Saturated amine oxides. Study of a procedure for
N-demethylation of saturated azaheterocyclic tertiary *N*-methylamines via their *N*-oxides”,
Rev. Roum. Chim., **2012**, *57* (2), 95-99.
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“Characterization and curing kinetics of new benzoxazine monomer
based on aromatic diamines”,
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“Synthesis of C₆ and C₇ functionalized drimanones from larixol and sclareol”,
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V. Scurtu, I. Holban, R. Stratila, N. Sorici, A. Parii, A. Nicolescu, C. Deleanu,
V. Ciochina, V. Moshin,
“Homocysteine – as a metabolic condition for congenital malformations and poor
pregnancy outcomes and their genetic correlations”,
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34. R. Tucaliuc, V. V. Cotea, C. Moldoveanu, G. Zbancioc, C. Deleanu,
P. G. Jones, I. I. Mangalagiu,
“An efficient and selective route to hybrid trifluoromethyl-substituted
 γ -lactones or fused nitrogen derivatives via cascade reactions”,
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35. A. Nicolescu, B. Dolenko, T. Bezabeh, L.-I. Ştefan, C. Ciurtin, E. Kovacs,
I. C. P. Smith, B. C. Simionescu, C. Deleanu,
“Diagnosis of type II diabetes based on non-glucose regions of ¹H NMR spectra
of urine: a metabolomic approach”,
Rev. Chim. (Bucharest), **2011**, *62* (12), 1150-1153.
36. C. L. Nistor, D. Donescu, R. Ianchis, C. Spataru, V. Raditoiu, C. Petcu,
M. Ghiurea, C. Deleanu,
“Encapsulation of three different hydrophobic dyes in functionalized silica particles”,
J. Sol-Gel Sci. Technol., **2011**, *59*, 48-56.
37. A. P. Rija, A. Nicolescu, A. Soran, E. B. Coropceanu, I. I. Bulhac, O. A. Bologa,
C. Deleanu, P. N. Bourosh,
“Cobalt(III) dimethylglyoximates containing selenourea and an unusual
diselenourea ligand: synthesis and structures”,
Russ. J. Coord. Chem., **2011**, *37* (10), 757-765.
38. P. F. Vlad, K. G. Edu, M. N. Koltza, A. G. Chokyrlan, A. Nikoiescu, K. Delyanu,
“Enantioselective synthesis of 11-homodrim-7-en-9 α ,12,13-triol”,
Chem. Nat. Comp., **2011**, *47* (4), 574-578.
39. P. F. Vlad, A. Chokyrlan, M. D’Ambrosio, M. N. Koltza, A. N. Barba, K. Edu,
A. Byryyak, A. Nikoiescu, A. Mari, K. Deleanu,

- “Syntheses of *ent*-Crotonadiol and Compounds Related to it from (+)-Larixol”,
Chem. Nat. Comp., **2011**, *47* (3), 397-403.
40. N. Marangoci, M. Mares, M. Silion, A. Fifere, C. Varganici, A. Nicolescu, C. Deleanu, A. Coroaba, M. Pinteala, B.C. Simionescu,
“Inclusion complex of a new propiconazole derivative with β -cyclodextrin:
NMR, ESI-MS and preliminary pharmacological studies”,
Results Pharma Sci., **2011**, *1*, 27-37.
41. A.-M. Pană, L.-M. Rusnac, G. Bandur, M. Silion, C. Deleanu, M. Balan,
“Novel D-glucose and D-mannose based oligomers: synthesis and characterization”,
e-Polymers, **2011**, *004*, 1-14.
42. M. V. Bogatian, G. Bogatian, A. Hirtopeanu, C. Deleanu, A. Nicolescu, M. Maganu, P. Filip,
“Reaction of pyrylium perchlorates having long alkyl substituents with aminoacids”,
Rev. Roum. Chim., **2011**, *56* (4), 325-333.
43. G. Drochioiu, C. Deleanu, E. Rusu, I. Mangalagiu,
“Saccharin Reaction with Cyanide”,
Lett. Org. Chem., **2011**, *8* (5), 315-319.
44. M.-C. Todasca, L. Fotescu, N.-A. Chira, C. Deleanu, S. Rosca,
“Composition changes in wines produced by different growing techniques examined
through ¹H-NMR spectroscopy”,
Rev. Chim. (Bucharest), **2011**, *62* (2), 131-134.
45. V.-N. Bercean, A.-A. Creanga, V. Badea, C. Deleanu, C. Csunderlik,
“(New) 5-substituted-4*H*-4-amino-3-mercapto-1,2,4-triazoles with
increased complexing capabilities”,
Rev. Chim. (Bucharest), **2011**, *62* (1), 47-50.
46. L. I. Stefan, A. Nicolescu, S. Popa, M. Mota, E. Kovacs, C. Deleanu,
“¹H-NMR urine metabolic profiling in type 1 diabetes Mellitus”,
Rev. Roum. Chim., **2010**, *55* (11-12), 1033-1037.
47. A.-M. Pana, L.-M. Rusnac, G. Bandur, C. Deleanu, M. Balan, M. Silion,
“Synthesis and characterization of new glycopolymers based on monosaccharides and
maleic anhydride. Mannose derivatives”,
Mat. Plastice, **2010**, *47* (3), 299-305.
48. S. I. Rosca, R. Stan, C. Bratu, C. Deleanu,
“New carbon-carbon bonds formation mediated by chromium hexacarbonyl”,
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“Pyrrolo-diazine derivatives as blue organic luminophores: synthesis and properties”,
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50. S.-A. Gârea, A. Nicolescu, C. Deleanu, H. Iovu,
“New nanocomposites based on epoxy resins reinforced with modified montmorillonite”,
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51. K.I. Kuchkova, A.N. Aryku, P.F. Vlad, C. Deleanu, A. Nicolescu, "Synthesis of N-containing drimane sesquiterpenoids from 11-dihomodriman-8 α -ol-12-one", *Chem. Nat. Comp.*, **2010**, 46 (4), 539-544.
52. M. V. Bogățian, S. Serban, G. Bogățian, A. Hirtopeanu C. Deleanu, P. Filip, "Artificial membranes by the self-assembly of n-dodecyl and n-methyl pyridinium salts with long alkyl substituents", *Rev. Roum. Chim.*, **2010**, 55 (4), 277-284.
53. M. V. Bogățian, A. Hirtopeanu, A. Nicolescu, G. Bogățian, C. Deleanu, M. Maganu, P. Filip, "Pyrylium salts with long alkyl substituents. 2,6-Dipalmitoyl- and 2,6-distearoyl-3,4-dimethyl pyrylium salts, derived pyridines and pyridines and pyridinium salts", *Rev. Roum. Chim.*, **2009**, 54 (11-12), 927-934.
54. E. Georgescu, F. Georgescu, M. R. Caira, A. Nicolescu, C. Deleanu, M. G. Danila, P. Filip, F. Dumitrascu, "A new synthesis of pyrrolo[1,2-c]quinazoline from quinazolinium N-ylides: a re-investigation", *ARKIVOC*, **2009**, (12), 232-241.
55. F. Potmischil, M. Marinescu, A. Nicolescu, C. Deleanu, "Hydroacridines: 1H and 13C NMR spectra of 9-substituted 1,2,3,4,5,6,7,8-octahydroacridines and their N-oxides", *Magn. Reson. Chem.*, **2009**, 47 (12), 1031-1035.
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Rev. Chim. (Bucharest), **2008**, 59 (10), 1101-1105.
62. M. V. Bogățian, A. Hirtopeanu, A. Nicolescu, F. Chiraleu, M. Maganu, M. Vîțătoru, D. Simon, C. Deleanu,
“Pyrylium salts with long alkyl substituents and derived pyridinium salts”
Rev. Roum. Chim., **2008**, 53 (6), 431-437.
63. F. Potmischil, M. Marinescu, A. Nicolescu, C. Deleanu, M. Hillebrand,
“Hydroacridines: 15N NMR chemical shifts of 9-substituted
1,2,3,4,5,6,7,8-octahydroacridines and their N-oxides. Taft, Swain-Lupton and other
types of linear correlations”,
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having a terminal free amino group”,
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65. M.-C. Todașcă, N. Chira, C. Deleanu, S. Roșca,
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“Synthesis from geraniol of (2E,6E,10E,14E)-16-hydroxygeranylgeraniol and
some of its derivatives”,
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