

Listă publicații Anamaria Terec

A) Publicatii in reviste de specialitate cotate ISI:

1. Gabrian, L., Giurgi, G.-I., Szolga, L., Crișan, A.P., Bogdan, E., Gălățuș, R., Terec, A., Grosu, I. Bulk and bilayer inverted organic solar cells (OSCS) exhibiting D-A and A-D-A donors with 2,2'-bi[3,2-b]thienothiophene units and PC61BM or C70 acceptors (2023) *Studia Universitatis Babes-Bolyai Chemia*, 2023 (1), pp. 275-283.
2. Gabrian, L., Giurgi, G.-I., Stroia, I., Bogdan, E., Crișan, A.P., Hădade, N.D., Grosu, I., Terec, A. Exploring the Optoelectronic Properties of D-A and A-D-A 2,2'-bi[3,2-b]thienothiophene Derivatives (2022) *Molecules*, 27 (23), art. no. 8463. Cited 1 time.
3. Stroia, I., Pop, A., Nan, M.I., Bogdan, E., Terec, A., Hădade, N.D., Grosu, I. Novel macrocycles embedding p,p'-terphenyl units: synthesis, characterization, single crystal X-ray molecular structures and theoretical investigations (2022) *Revue Roumaine de Chimie*, 67 (4-5), pp. 233-239.
4. Terenti, N., Giurgi, G.-I., Crișan, A.P., Anghel, C., Bogdan, A., Pop, A., Stroia, I., Terec, A., Szolga, L., Grosu, I., Roncali, J. Structure-properties of small donor-acceptor molecules for homojunction single-material organic solar cells (2022) *Journal of Materials Chemistry C*, 10 (14), pp. 5716-5726. Cited 5 times.
5. Terenti, N., Giurgi, G.-I., Szolga, L., Stroia, I., Terec, A., Grosu, I., Crișan, A.P. Effect of the Terminal Acceptor Unit on the Performance of Non-Fullerene Indacenodithiophene Acceptors in Organic Solar Cells (2022) *Molecules*, 27 (4), art. no. 1229, . Cited 1 time.
6. Stroia, I., Nan, M.I., Bogdan, E., Terec, A., Hădade, N.D., Grosu, I. Macrocyclic compounds formed in the reaction of 3,7-bis(*ortho*-, *meta*- or *para*-formylphenyl)phenothiazines with *meta*-bis(aminomethyl)benzene: experimental and theoretical investigations (2022) *Revue Roumaine de Chimie*, 67 (3), pp. 141-149.
7. Căta, L., Grosu, I.G., Miclăuș, M., Hădade, N.D., Grosu, I., Terec, A. Halogen-bonded supramolecular architectures involving 2,7-dipyridylfluorene and 1,3,5-trifluoro-2,4,6-triiodobenzene tectons – a spectacular evolution from catemers to 2D halogen bond organic frameworks (XBOF) (2022) *Studia Universitatis Babes-Bolyai Chemia*, 67 (2), pp. 193-203.
8. Stroia, I., Moraru, I.T., Miclăuș, M., Grosu, I., Lar, C., Grosu, I.G., Terec, A. Solid-State and Theoretical Investigations of Some Banister-Type Macrocycles with 2,2'-Aldoxime-1,1'-Biphenyl Units (2021) *Frontiers in Chemistry*, 9, art. no. 750418.
9. Pop, L., Grosu, I.G., Miclăuș, M., Hădade, N.D., Pop, A., Bende, A., Terec, A., Barboiu, M., Grosu, I. Halogen-Bonded Organic Frameworks of Perfluoroiodo- And Perfluorodiodobenzene with 2,2',7,7'-Tetrapyridyl-9,9'-spirobifluorene (2021) *Crystal Growth and Design*, 21 (2), pp. 1045-1054. Cited 10 times.

10. Nan, M.I., Lakatos, E., Giurgi, G.-I., Szolga, L., Po, R., Terec, A., Jungsuttiwong, S., Grosu, I., Roncali, J. Mono- and di-substituted pyrene-based donor- π -acceptor systems with phenyl and thienyl π -conjugating bridges (2020) *Dyes and Pigments*, 181, art. no. 108527. Cited 21 times.
11. Crişan, C.V., Soran, A., Bende, A., Hadade, N.D., Terec, A., Grosu, I. Synthesis, Structure and Supramolecular Properties of a Novel C3 Cryptand with Pyridine Units in the Bridges (2020) *Molecules*, 25 (17), art. no. 3789. Cited 2 times.
12. Crişan, A., Pop, A., Bogdan, E., Matache, M., Pop, L., Terec, A., Grosu, I., Hădade, N. Selective hydration of electron-rich aryl-alkynes by a schrock-type molybdenum alkylidene catalyst (2020) *Revue Roumaine de Chimie*, 65 (7-8), pp. 699-705.
13. Crisan, A.P., Craciun, A.-M., Mihalache, I., Focsan, M., Socaci, C., Maniu, D., Astilean, S., Veca, L.M., Terec, A. Surface passivation of carbon nanoparticles with 1,2-phenylenediamine towards photoluminescent carbon dots (2020) *Revue Roumaine de Chimie*, 65 (6), pp. 559-566. Cited 1 time.
14. Cucuiet, T.A., Anghel, C.C., Bogdan, E., Crişan, A., Matache, M., Pop, L., Terec, A., Hădade, N.D. Click synthesis and complexation properties of a new unsymmetrical macrocycle bearing 1,4-dioxabenzene and triazole units (2020) *Revue Roumaine de Chimie*, 65 (6), pp. 567-572. Cited 1 time.
15. Grosu, I.G., Pop, L., Miclăuş, M., Hădade, N.D., Terec, A., Bende, A., Socaci, C., Barboiu, M., Grosu, I. Halogen Bonds (N - -I) at Work: Supramolecular Catemeric Architectures of 2,7-Dipyridylfluorene with ortho-, meta-, or para-Diiodotetrafluorobenzene Isomers (2020) *Crystal Growth and Design*, 20 (5), pp. 3429-3441. Cited 16 times.
16. Crişan, C.V., Hădade, N.D., Grosu, I., Crişan, A.P., Terec, A. A straightforward synthesis of novel 1,3,5-triazine-based macrocyclic scaffolds (2020) *Studia Universitatis Babes-Bolyai Chemia*, 65 (3), pp. 171-179.
17. Giurgi, G.-I., Szolga, L., Kovacs, I., Bogdan, E., Hădade, N.D., Terec, A., Grosu, I., Roncali, J. Inverted versus direct structure bulk heterojunction organic solar cells involving a triphenylamine-based small molecular donor (2020) *Studia Universitatis Babes-Bolyai Chemia*, 65 (2), pp. 95-106. Cited 2 times.
18. Diac, A.P., Szolga, L., Cabanetos, C., Bogdan, A., Terec, A., Grosu, I., Roncali, J. C60-small arylamine push-pull dyads for single-material organic solar cells (2019) *Dyes and Pigments*, 171, art. no. 107748. Cited 9 times.
19. Lar, C., Moisă, M.E., Bogdan, E., Terec, A., Hădade, N.D., Grosu, I., David, L., Paizs, C., Grosu, I.G. "Geländer" macrocycles: Synthesis, chirality and racemisation barriers (2019) *Tetrahedron Letters*, 60 (4), pp. 335-340. Cited 4 times.
20. Lar, C., Woiczehowski-Pop, A., Bende, A., Grosu, I.G., Miklašová, N., Bogdan, E., Hădade, N.D., Terec, A., Grosu, I. A three-armed cryptand with triazine and pyridine units: Synthesis, structure and complexation with polycyclic aromatic compounds (2018) *Beilstein Journal of Organic Chemistry*, 14, pp. 1370-1377. Cited 3 times.

21. Li, J., Terec, A., Yue, Y., Joshi, H., Lu, Y., Sun, H., Stuparu, M.C. π -Conjugated Discrete Oligomers Containing Planar and Nonplanar Aromatic Motifs (2017) *Journal of the American Chemical Society*, 139 (8), pp. 3089-3094. Cited 53 times.
22. Bogdan, E., Hădade, N.D., Terec, A., Grosu, I. The 1,3-dioxane motif - A useful tool in monitoring molecular and supramolecular architectures (2016) *Tetrahedron Letters*, 57 (25), pp. 2683-2691. Cited 7 times.
23. Diac, A.P., Țepeș, A.-M., Soran, A., Grosu, I., Terec, A., Roncali, J., Bogdan, E. Indenopyrans - Synthesis and photoluminescence properties (2016) *Beilstein Journal of Organic Chemistry*, 12, pp. 825-834. Cited 4 times.
24. Rednic, M.I., Varga, R.A., Bende, A., Grosu, I.G., Miclăuș, M., Hădade, N.D., Terec, A., Bogdan, E., Grosu, I. Supramolecular anion recognition by β -HCH (2016) *Chemical Communications*, 52 (83), pp. 12322-12325. Cited 10 times.
25. Craciun, A.M., Diac, A., Focsan, M., Socaci, C., Magyari, K., Maniu, D., Mihalache, I., Veca, L.M., Astilean, S., Terec, A. Surface passivation of carbon nanoparticles with: *p*-phenylenediamine towards photoluminescent carbon dots (2016) *RSC Advances*, 6 (62), pp. 56944-56951. Cited 27 times.
26. Rednic, M.I., Lu, Z., Wang, P., LeCroy, G.E., Yang, F., Liu, Y., Qian, H., Terec, A., Veca, L.M., Lu, F., Sun, Y.-P. Fluorescent carbon 'quantum' dots from thermochemical functionalization of carbon nanoparticles (2015) *Chemical Physics Letters*, 639, pp. 109-113. Cited 7 times.
27. Diac, A., Focsan, M., Socaci, C., Gabudean, A.-M., Farcau, C., Maniu, D., Vasile, E., Terec, A., Veca, L.M., Astilean, S. Covalent conjugation of carbon dots with Rhodamine B and assessment of their photophysical properties (2015) *RSC Advances*, 5 (95), pp. 77662-77669. Cited 33 times.
28. Crișan, C.V., Terec, A., Hădade, N.D., Grosu, I. Cryptands with 2,4,6-tris(*p*-phenylene)-1,3,5-triazine central units and oligoethyleneoxide bridges: Synthesis, structure and complexation abilities (2015) *Tetrahedron*, 71 (38), pp. 6888-6893. Cited 5 times.
29. Rednic, M.I., Szima, S., Bogdan, E., Hădade, N.D., Terec, A., Grosu, I. Podands with 3,7,10-trisubstituted phenothiazine units: Synthesis and structural analysis (2015) *Revue Roumaine de Chimie*, 60 (7-8), pp. 637-642. Cited 2 times.
30. Woiczehowski-Pop, A., Gligor, D., Bende, A., Varodi, C., Bogdan, E., Terec, A., Grosu, I. Synthesis, structure, electrochemical behaviour and electrochemical investigations on the assembling with pyrene of a novel C3 cryptand (2015) *Supramolecular Chemistry*, 27, pp. 52-58. Cited 4 times.
31. Veca, L.M., Diac, A., Mihalache, I., Wang, P., Lecroy, G.E., Pavelescu, E.M., Gavrila, R., Vasile, E., Terec, A., Sun, Y.-P. Electroluminescence of carbon 'quantum' dots - From materials to devices (2014) *Chemical Physics Letters*, 613, pp. 40-44. Cited 25 times.

32. Petran, A., Terec, A., Bogdan, E., Soran, A., Lakatos, E., Grosu, I. Thiophene-based macrocycles via the Suzuki-Miyaura cross coupling reaction (2014) *Tetrahedron*, 70 (38), pp. 6803-6809. Cited 9 times.
33. Jînțaș, M.L., Diac, A.P., Soran, A., Terec, A., Grosu, I., Bogdan, E. Structural characterization of new 2-aryl-5-phenyl-1,3,4-oxadiazin-6-ones and their N-arylhydrazone precursors (2014) *Journal of Molecular Structure*, 1058 (1), pp. 106-113. Cited 9 times.
34. Pașcanu, V., Cîrcu, M., Socaci, C., Terec, A., Soran, A., Grosu, I. Synthesis of cryptands with di-yne units via acetylenic homocoupling reactions of C3 tripodands (2013) *Tetrahedron Letters*, 54 (45), pp. 6133-6136. Cited 4 times.
35. Cîrcu, M., Soran, A., Haidade, N.D., Rednic, M., Terec, A., Grosu, I. Cryptands with 1,3,5-Tris(1',3'-dioxan-2'-yl)-benzene units: Synthesis and structural investigations (2013) *Journal of Organic Chemistry*, 78 (17), pp. 8722-8729. Cited 8 times.
36. Woiczehowski-Pop, A., Dobra, I.L., Roiban, G.D., Terec, A., Grosu, I. Synthesis and structural analysis of some podands with C 3 symmetry (2012) *Synthetic Communications*, 42 (24), pp. 3579-3588. Cited 13 times.
37. Pop, F., Socaci, C., Terec, A., Condamine, E., Varga, R.A., Ra, C.I., Roncali, J., Grosu, I. Cryptands and bismacrocycles with cyanuric and isocyanuric units: Synthesis and structural investigations (2012) *Tetrahedron*, 68 (41), pp. 8581-8588. Cited 11 times.
38. Petran, A., Bogdan, E., Terec, A., Grosu, I. Podands with 10-ethyl-3,7-dithienyl-10h-phenothiazine core: Synthesis and structural analysis (2012) *Revue Roumaine de Chimie*, 57 (4-5), pp. 345-351. Cited 3 times.
39. Mihiș, A., Golban, L.M., Raț, C.I., Bogdan, E., Terec, A., Grosu, I. Synthesis and stereochemistry of new spiro[5.5]undecane derivatives with 1,3-dioxane, 1,3-dithiane, or 1,3-oxathiane rings (2012) *Structural Chemistry*, 23 (1), pp. 61-69. Cited 3 times.
40. Cîrcu, M., Pașcanu, V., Soran, A., Braun, B., Terec, A., Socaci, C., Grosu, I. Solid state supramolecular assemblies of triol podands through H-bonds (2012) *CrystEngComm*, 14 (2), pp. 632-639. Cited 7 times.
41. Cîrcu, M., Petran, A., Gâz, A.S., Bogdan, E., Terec, A., Ra, C.I., Varga, R.A., Grosu, I. Synthesis and structure of new crown ethers with 1,4-phenylene and 1,4-naphthylene units (2011) *Journal of Molecular Structure*, 996 (1-3), pp. 17-23. Cited 1 time.
42. Lar, C., Roiban, G.-D., Crășneanu, R.M., Mihalca, I., Bogdan, E., Terec, A., Grosu, I. Synthesis and photophysical properties of some 6,6''- functionalized terpyridine derivatives (2011) *Central European Journal of Chemistry*, 9 (2), pp. 218-223. Cited 1 time.
43. Mihiș, A., Golban, L.M., Bogdan, E., Terec, A., Grosu, I. Synthesis, structure and reactivity investigations of some new mono- and bis(5,5-dibromomethyl-1,3- dioxan-2-yl) derivatives (2010) *Studia Universitatis Babes-Bolyai Chemia*, (3), pp. 157-164.

44. Oprea, C., Paşcanu, V., Cismaş, C., Terec, A., Varga, R.A., Grosu, I. Tri-armed podands as efficient precursors for supramolecular systems (2010) *Studia Universitatis Babes-Bolyai Chemia*, (3), pp. 177-178.
45. Terec, A., Bogdan, E., Cismaş, C., Grosu, I. Selective bromination reaction of some bis(1, 3-dioxan-2-yl)alkanes (2010) *Revue Roumaine de Chimie*, 55 (11-12), pp. 905-911.
46. Woiczehowski-Pop, A., Varga, R.A., Terec, A., Grosu, I. 2,6-Dichloropyridine-3,5-dicarbonitrile (2010) *Acta Crystallographica Section E: Structure Reports Online*, 66 (10), pp. o2638. Cited 1 time.
47. Piron, F., Oprea, C., Cisma, C., Terec, A., Roncali, J., Grosu, I. Synthesis of podands with cyanurate or isocyanurate cores and terminal triple bonds (2010) *Synthesis*, (10), art. no. P01810SS, pp. 1639-1644. Cited 16 times.
48. Piron, F., Vanthuyne, N., Joulin, B., Naubron, J.-V., Cismas, C., Terec, A., Varga, R.A., Roussel, C., Roncali, J., Grosu, I. Synthesis, structural analysis, and chiral investigations of some atropisomers with *EE*-tetrahalogeno-1,3-butadiene core (2009) *Journal of Organic Chemistry*, 74 (23), pp. 9062-9070. Cited 23 times.
49. Piron, F., Bogdan, E., Cismaş, C., Terec, A., Grosu, I. Synthesis and structural analysis of some new sterically hindered dienes (2009) *Studia Universitatis Babes-Bolyai Chemia*, 4 (1), pp. 149-156.
50. Toşa, N., Bende, A., Varga, R.A., Terec, A., Bratu, I., Grosu, I. H-bond-driven supramolecular architectures of the syn and anti isomers of the dioxime of bicyclo[3.3.1]nonane-3,7-dione (2009) *Journal of Organic Chemistry*, 74 (10), pp. 3944-3947. Cited 10 times.
51. Piron, F., Cismaş, C., Terec, A., Roncali, J., Grosu, I. Cryptands by one-pot homoacetylenic Cu-catalyzed coupling -synthesis, structure and properties (2009) *Mini-Reviews in Organic Chemistry*, 6 (2), pp. 78-85. Cited 1 time.
52. Turdean, R., Bogdan, E., Terec, A., Petran, A., Vlase, L., Turcu, I., Grosu, I. Synthesis and structure of new 3,7,10-substituted-phenothiazine derivatives (2009) *Central European Journal of Chemistry*, 7 (1), pp. 111-117. Cited 19 times.
53. Gâz, S.A., Condamine, E., Bogdan, N., Terec, A., Bogdan, E., Ramondenc, Y., Grosu, I. Synthesis and stereochemistry of some new spiro and polyspiro-1,3-dithiane derivatives (2008) *Tetrahedron*, 64 (30-31), pp. 7295-7300. Cited 8 times.
54. Mihiş, A., Condamine, E., Bogdan, E., Terec, A., Kurtán, T., Grosu, I. Synthesis and structure of new 3,3,9,9-tetrasubstituted-2,4,8,10-tetraoxaspiro[5.5]undecane derivatives (2008) *Molecules* (Basel, Switzerland), 13 (11), pp. 2848-2858. Cited 14 times.
55. Terec, A., Bogdan, E., David, L., Mager, S., Grosu, I. Synthesis and stereochemistry of some new bis(1,3-dioxane-2-yl)alkanes (2007) *Revue Roumaine de Chimie*, 52 (1-2), pp. 59-65. Cited 2 times.

56. Badgujar, N.S., Pazicky, M., Traar, P., Terec, A., Uray, G., Stadlbauer, W. N-carboxymethylated 6,7-dimethoxy-4-trifluoromethylcarbostyrils as fluorescence markers for amino acids, peptides, amino carbohydrates and amino polysaccharides (2006) *European Journal of Organic Chemistry*, (12), pp. 2715-2722. Cited 26 times.
57. Florian, M.C., Cîrcu, M., Toupet, L., Terec, A., Grosu, I., Ramondenc, Y., Dincă, N., Plé, G. Synthesis and stereochemistry of some new 1,3,5-tris(1,3-dioxan-2-yl)-benzene derivatives (2006) *Central European Journal of Chemistry*, 4 (4), pp. 808-821. Cited 8 times.
58. Cismaș, C., Grosu, I., Plé, G., Condamine, E., Ramondenc, Y., Toupet, L., Silaghi-Dumitrescu, I., Nemeș, G., Terec, A., Muntean, L. Synthesis and stereochemistry of new bis(1,3-oxathian-2-yl) derivatives: Epimerisation and chair-twist equilibria (2005) *Structural Chemistry*, 16 (4), pp. 369-377. Cited 3 times.
59. Cismas, C., Terec, A., Mager, S., Grosu, I. Six-membered ring spiranes: Carbocycles and heterocycles with oxygen (2005) *Current Organic Chemistry*, 9 (14), pp. 1287-1314. Cited 28 times.
60. Terec, A., Grosu, I., Condamine, E., Breau, L., Plé, G., Ramondenc, Y., Rochon, F.D., Peulon-Agasse, V., Opris, D. Pentaspiranes and hexaspiranes with 1,3-dioxane or 1,3-oxathiane rings: Synthesis and stereochemistry (2004) *Tetrahedron*, 60 (14), pp. 3173-3189. Cited 15 times.
61. Stuparu, M., Grosu, I., Muntean, L., Plé, G., Cismas, C., Terec, A., Nan, A., Mager, S. Synthesis and Stereochemistry of Some New 1,3-Oxathiane Derivatives (2004) *Monatshefte für Chemie*, 135 (1), pp. 89-96. Cited 8 times.
62. Terec, A., Grosu, I., Plé, G., Muntean, L., Mager, S. Synthesis, structural analysis and reactivity of 1,3-oxathiane derivatives (2003) *Heterocycles*, 60 (6), pp. 1477-1519. Cited 8 times.
63. Terec, A., Grosu, I., Muntean, L., Toupet, L., Plé, G., Socaci, C., Mager, S. Synthesis, stereochemistry and ring-chain tautomerism of some new spiro-1,3-oxathianes (2001) *Tetrahedron*, 57 (41), pp. 8751-8758. Cited 13 times.
64. Opris, D., Grosu, I., Toupet, L., Plé, G., Terec, A., Mager, S., Muntean, L. Synthesis and stereochemistry of new tetraspiro-1,3-dioxanes (2001) *Journal of the Chemical Society. Perkin Transactions 1*, 1 (19), pp. 2413-2420. Cited 14 times.

B) Publicatii in reviste de specialitate necotate ISI:

1. Puscas, C.; Lar, C.; Mager, S.; Bogdan, E.; Terec, A.; David, L.; Grosu I. „Synthesis and Stereochemistry of Some New 2,4,8,10-Tetraoxaspiro[5.5]undecane Derivatives” *Studia Univ. Chemia* **2007**, LII, 165-169.

2. Bogdan, N.; Pop, F.; Gaz, A.; Bogdan, E.; Terec, A.; David, L.; Grosu I. "Synthesis and Structural Analysis of Some New Precursors of Macrocyclic Cyclophanes: 1,4-Bis(2-R-5,5-dimethyl-1,3-Dioxan-2-yl)benzene" *Studia Univ. "Babes-Bolyai", Chemia* **2006**, LI, 3-12.
3. Bogdan, N.; Pop, F.; Gaz, A.; Bogdan, E.; Terec, A.; David, L.; Grosu I. "Synthesis and Structural Analysis of Some New Precursors of Macrocyclic Cyclophanes: 1,4-Bis(2-R-5-R¹-1,3-Dioxan-2-yl)benzene Derivatives" *Studia Univ. "Babes-Bolyai", Chemia* **2006**, LI, 13-20.
4. Terec, A.; Muntean, L.; Tötös, S.; Bogdan, N.; Florian, C.; Margineanu, D.; Mager, S.; Grosu, I. "Synthesis and Stereochemistry of Some New 2,4-Disubstituted-1,3-Dioxanes" *Studia Univ. Babes-Bolyai, Chemia* **2002**, XLVII, 187-193.
5. Muntean, L.; Balog, M.; Florian, C.; Terec, A.; Margineanu, D.; Mager, S.; Grosu, I. "Synthesis and Stereochemistry of Some New 1,3-Dioxane Derivatives of alpha, beta-unsaturated Aldehydes" *Studia Univ. Babes-Bolyai, Chemia* **2002**, XLVII, 195-201.
6. Serban, G.; **Suciu, A.**; Crisan, O.; Coman, M.; Curea, E. Synthesis and physico-chemical study of 4-alkyl substituted 3-(5-mercapto-1,2,4-triazol-3-yl)coumarins *Farmacia (Bucharest, Romania)* **2002**, 50(5), 22.
7. Serban, G.; **Suciu, A.**; Coman, M.; Curea, E. Synthesis and physical-chemical study of some 3-(5-arylamino-1,3,4-thiadiazol-2-yl)-coumarins *Farmacia (Bucharest, Romania)* **2002**, 50(6), 50.

- **Posters, electronic papers and oral presentations (selection)**

Terec, A.; Furrer, F.; Stuparu, M.C. "Conjugated Polymers Containing Corannulene" ESOC-2013, 7-12 July, Marseille, France, **2013**

Terec, A.; Piron, F.; Joulin, B.; Vanthuyne, N.; Cismas, C.; Roncali, J.; Roussel, C.; Grosu I. "**Dynamic Chiral HPLC Investigations of New Atropoisomers of 1,3-Butadiene Core**", The 20th International Symposium on Chirality ISCD-20, 2008, Geneva, Switzerland, July 6-9, **2008**

Terec, A.; Piron, F.; Joulin, B.; Vanthuyne, N.; Cismas, C.; Roncali, J.; Roussel, C.; Grosu I. "**New Cryptands and Podands with Heterocyclic Units and Some New Diene Molecules**", A XXX-a Conferinta Nationala de Chimie Calimanesti-Caciulata, Romania, **2008**

Terec, A.; Piron, F.; Grosu I. "**Design, Synthesis and Properties of New Cryptands Containing Nitrogen-Based Heterocycles**", 41st IUPAC World Chemistry Congress, Torino, Italia, **2007**

Bogdan, N.; Florian, C.; Balog, M.; **Terec, A.**; Grosu, I.; Ramondenc, Y.; Plé G. "**Synthèse, Structure et Réactivité de Nouveaux Composés Macrocycliques: Coronands, Cyclophanes**", Journée de l'école doctorale Chimie-Biologie, Caen, France, March **2004**

Stadlbauer, W.; De Cecco, W.; Hojas, G.; Kremsner, J.; Pazicky, M.; **Terec-Suciu, A.**; Traar, P.; Uray, G. "**Introduction of Linking Groups by Alkylation of Fluorescent Heterocycles**", 6th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-6), September 1-30, **2002**

- **Cărți de autor și capitole de cărți de specialitate**

Bogdan, E.; Hădade, N.; Socaci, C.; **Terec A.** "Reacții de cuplare în chimia organică – de la teorie la aplicații", Presa Universitară Clujeană, Cluj-Napoca, 2013, 248 pagini

- **Fellowships, burse și granturi individuale de cercetare și formare profesională în țară și mai ales în străinătate, obținute prin competiție deschisă**

1. Sciex Fellowship Elvetia: 6th call: <http://www.crus.ch/information-programme/sciex-nms-ch/sciex-granted-projects.html?L=2#c12412>

Sciex Nr. **12.143/2012**

2. Sciex Fellowship Elvetia: 5th call: <http://www.crus.ch/information-programme/sciex-nms-ch/sciex-granted-projects.html?L=2#c12412>

Sciex Nr. 11.177/2012

3. Bourse AUF (l'Agence Universitaire de la Francophonie), 2003

- **Granturi și proiecte de cercetare naționale obținute prin competiție**

Director / responsabil grant:

1. PNII-ID-PCCE-2011-2-0069: "Carbon quantum dots: exploring a new concept for next generation optoelectronic devices" 2012-2015;
2. Proiect ID-570: "Design, sinteza, analiza structurală și proprietăți supramoleculare ale unor noi compuși macrociclici politopici, pseudo-rotaxani și rotaxani" 2008-2010;
3. Proiect CNCIS, tip At, cod 64: "Sinteze neconvenționale - cicloadiții [2+2+2], metateza alchinelor - în obținerea de noi criptanzi și rotoți moleculare" 2006-2007 (2 ani)

Membru în echipă (selecție):

1. PN-III-P4-ID-PCCF-2016-0088: Structuri ierarhizate și funcționalitate pe grafenă, prezentând proprietăți magnetice, de adsorbție și catalitice, dir. Proiect: Prof. Ion Grosu, 2018-2022
2. POC P_37-220: Materiale active unicomponente pentru celule solare organice bazate pe compuși pi-conjugati autoasamblați (SMOSCs) – ORGLIGHT, dir. proiect Jean Roncali, 2016-2020
3. PN-II-ID-PCE-2012-4-248: Molecule interconectate mecanic inovative: design, sinteza, proprietăți și mașini moleculare, dir. proiect: Prof. Dr. Ion Grosu, 2013-2015;

4. PNII-ID-PCCE-2011-2-0050: Design of organic spacers for constructing metal-organic frameworks (MOFs) – towards a better control of the porous architecture and active catalytic sites, dir. proiect: Prof. Dr. Ion Grosu, 2012-2015;
5. Proiect CAPACITATI: Cresterea potentialului de Cercetare-Dezvoltare prin accesul la baze de date de mari dimensiuni specifice stiintelor exacte. (ACCESBAZE), dir. proiect: Prof. Dr. Ion Grosu, 2007-2009;
6. Proiect ID-2358 “Design-ul, formarea si proprietatile unor noi ansamble supramoleculare stabilizate prin legaturi de hidrogen intre baze nucleotidice”, dir. proiect: Dr. Crina Socaci (Cismaș), 2009-2011;
7. Proiect CEEEX, tip ET cod 48: “Sinteza unor noi ciclofani si criptanzi si studiul aplicatiilor lor in nanotehnologii”, Dir. proiect: Lect. Dr. Elena Bogdan, 2006-2008
8. Proiect CNC SIS 1736: “Sinteza, stereo chimia si reactivitatea unor noi compusi macrociclici”, dir. proiect: Prof. Dr. Ion Grosu, 2003-2005
9. Proiect CNC SIS 1315: “Sinteza, analiza structurala si proprietatile supramoleculare ale unor noi compusi macrociclici cu potentiale aplicatii in nanoelectronica”, dir. proiect: Prof. Dr. Ion Grosu, 2006-2008
10. Proiect CERES 3-109/2003: “Sinteza si structura unor noi compusi macrociclici. studiul formarii sistemelor “host-guest” si obtinerea de electrozi ion-selectivi”, dir. proiect: Prof. Dr. Ion Grosu, 2003-2005
11. Proiect CERES 3-47/2004: “Noi structuri supramoleculare obtinute pe baza de compusi macrociclici si molecule „cage” functionalizate pe aur coloidal”, dir. proiect: Prof. Dr. Ion Grosu, 2004-2006
12. Proiect CEx-06-11-50 / 2006: “Noi coronanzi si criptanzi cu proprietati supramoleculare: design, sinteza, caracterizare si potentiale aplicatii in electronica molecular”, dir. proiect: Prof. Dr. Ion Grosu, 2006-2008
13. Proiect Cex-06 Biotech-97 / 2006: “Alcaloizi steroidici din *solanaceae*, triterpene din *ericaceae* si uleiuri volatile din *lamiaceae* indigene pentru industria farmaceutica, alimentara si cosmetica”, dir. proiect: Prof. Dr. Ion Grosu, 2006-2008
14. Proiect 2CEX06-11-93: Structuri Supramoleculare Bidimensionale Autoasamblate pe baza de molecule organice functionalizate; Acronim SSBA, Coordonator (INCDTIM–Cluj Napoca; Dr. Ioan Turcu)/Resp. proiect: Prof. Dr. Ion Grosu, 2006-2008
15. Proiect 2-CEX 06-11-30: “Chiralitate moleculara: determinarea excesului enantiomeric si a configuratiei absolute prin spectroscopie de rezonanta magnetica nucleara si aplicatii la compusi bioactivi si intermediari de sinteza fina – CHIROMAR”, Coordonator (Centrul de Chimie Organica al Academiei Romane; Dr.Cornelia Uncuta)/Resp. proiect: Prof. Dr. Ion Grosu, 2006-2008

Ana Tace

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